

**DEPARTMENT OF THE NAVY
SOUTHWEST REMEDIAL ACTION CONTRACT (RAC) V
CONTRACT NO. N62473-07-D-3211
CONTRACT TASK ORDER WE04**

**Draft Final Operations Report
for
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
at
Naval Weapons Industrial Reserve Plant
Bethpage, New York**

Issued:

August 24, 2010

Prepared for:

Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
9742 Maryland Avenue
Norfolk, Virginia 23511-3095

Prepared by:

Tetra Tech EC, Inc.
Bucks Town Corporate Campus
820 Town Center Drive, Suite 100
Langhorne, PA 19047-1748



Revision
0

Date
8/24/10

Prepared By
B. Baillargeon

Approved By
S. Patselas

Pages Affected
All

TABLE OF CONTENTS

1.0	Introduction.....	1
1.1	Purpose	1
1.2	Site Location.....	1
1.3	Project Overview and Objectives.....	5
1.4	General Description of Site 1 SVECS	5
2.0	System Operational results	5
2.1	Period of Operation.....	5
2.2	Vapor Sampling Events and Results.....	8
2.3	SVECS Shutdowns	9
2.4	SVECS Inspections and Maintenance	9
2.5	SVECS Alarms	9
3.0	CONCLUSIONS.....	10

LIST OF FIGURES

Figure 1-1	Site Location Map.....	2
Figure 1-2	Site 1 Area and Vicinity.....	3
Figure 1-3	Soil Vapor Extraction Containment System Layout Plan.....	6
Figure 1-4	Location of Soil Vapor Extraction Wells and Soil Vapor Pressure Monitors	7
Figure 2-1	Graph of Total VOC Concentrations Over Time.....	9

LIST OF TABLES

Table 2-1 – Summary of System Shutdowns.....	8
--	---

LIST OF APPENDICES

Appendix A	Vapor Concentration Data
Appendix B	Analytical Data
Appendix C	Operational Data

ACRONYMS AND ABBREVIATIONS

bgs	Below ground surface
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
ECL	Environmental Conservation Law
FMS	Flow Monitoring Station
GOCO	Government Award Contractor Operated
IRP	Installation Restoration Program
NAVFAC	Naval Facilities Engineering Command
NWIRP	Naval Weapons Industrial Reserve Plant
NYDOH	New York Department of Health
NYSDEC	New York State Department of Environmental Conservation
PCBs	Polychlorinated biphenyl
PCE	tetrachloroethene
ROD	Record of Decision
SVECS	Soil Vapor Extraction Containment System
SVEWs	soil vapor extraction wells
SVOCs	Semivolatile organic compounds
TCE	trichloroethene
TtEC	Tetra Tech EC, Inc.
VOCs	volatile organic compounds

1.0 INTRODUCTION

Tetra Tech EC, Inc. (TtEC) has prepared this Operations Report for the Soil Vapor Extraction Containment System (SVECS) for Site 1, Former Drum Marshalling Area (Site; Figure 1-1) at the Naval Weapons Industrial Reserve Plant (NWIRP) in Bethpage, New York, for the United States Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic, under Remedial Action Contract No. N62473-07-D-3211, Contract Task Order No. WE04.

This Operations Report has been prepared by TtEC to present operations data of system operations for the remediation of contaminated soils within the Upper Glacial Formation at Site 1 containing chlorinated volatile organic compounds (VOCs) that are present in a clay unit near the water table. The equipment used to construct the SVECS had been provided by various subcontractors (Tetrasolv Filtration, Bisco Environmental, and others). Construction of the SVECS was performed under TtEC's supervision by various subcontractors including Bensin Contracting and Delta Well and Pump Company, Inc. The SVECS treatment operations was conducted in the treatment building (existing unoccupied building number 03-35) located within the fenced area of NWIRP Bethpage (see Figure 1-2). The soil vapor that was extracted from twelve intermediate and deep soil vapor extraction wells (SVEWs) was treated in Building Number 03-35 to meet the effluent limitations and monitoring requirements contained in the NY State Division of Air Permit Equivalent dated December 3, 2009, submitted to the New York State Department of Environmental Conservation (NYSDEC).

The cleanup remedy for the Site 1 contaminated soils and shallow groundwater was originally set forth in the 1995 Record of Decision (ROD). The selected remedy was chosen in accordance with the New York State Environmental Conservation Law (ECL) and the Navy's Installation Restoration Program (IRP). It is also consistent with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9601-9675.

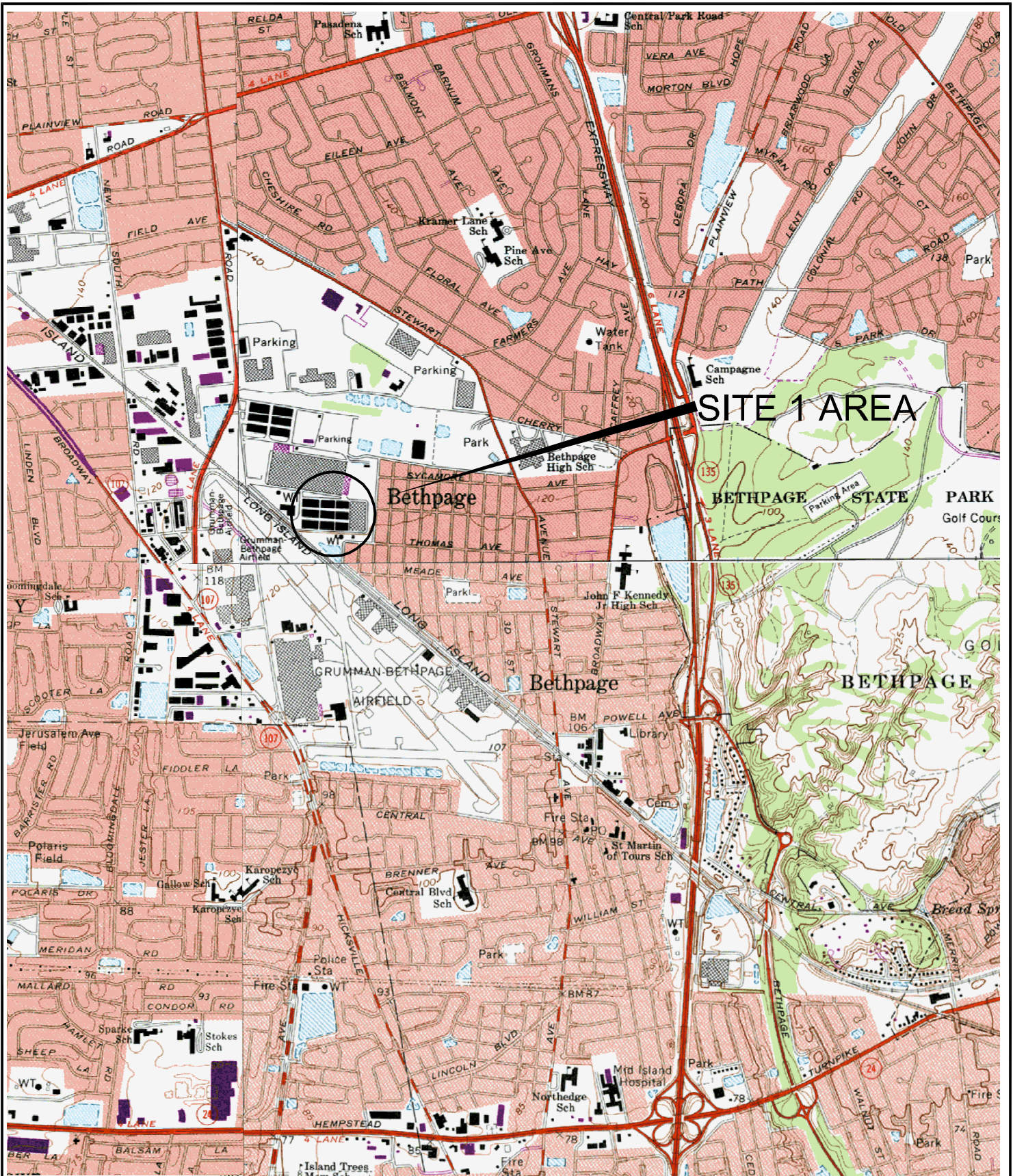
1.1 Purpose

This Draft Operations Report was prepared to provide a summary of the vapor concentration and operational data as well as the operation and maintenance activities at the site during TtEC oversight of operations beginning on December 22, 2009 to June 28, 2010. Continuous overnight operations started on January 4, 2010.

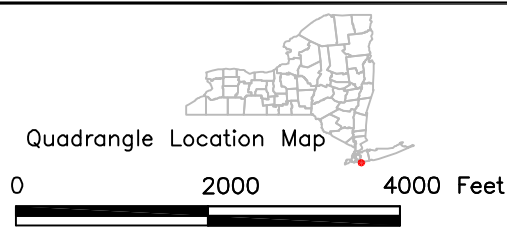
1.2 Site Location

NWIRP Bethpage is located in east central Nassau County, Long Island, New York, approximately 30 miles east of New York City. The Navy's property totaled approximately 109.5 acres and was formerly a Government Owned Contractor-Operated (GOCO) facility that was operated by the NGC until September 1998. NWIRP Bethpage is bordered on the north, west, and south by property owned, or formerly owned, by NGC that covered approximately 605 acres, and, on the east, by a residential neighborhood.

Site 1 (see Figures 1-1 and 1-2) lies within the fenced area of NWIRP Bethpage and is located east of Plant No. 3, west of 11th Street and north of Plant 17 South.



SITE 1 AREA

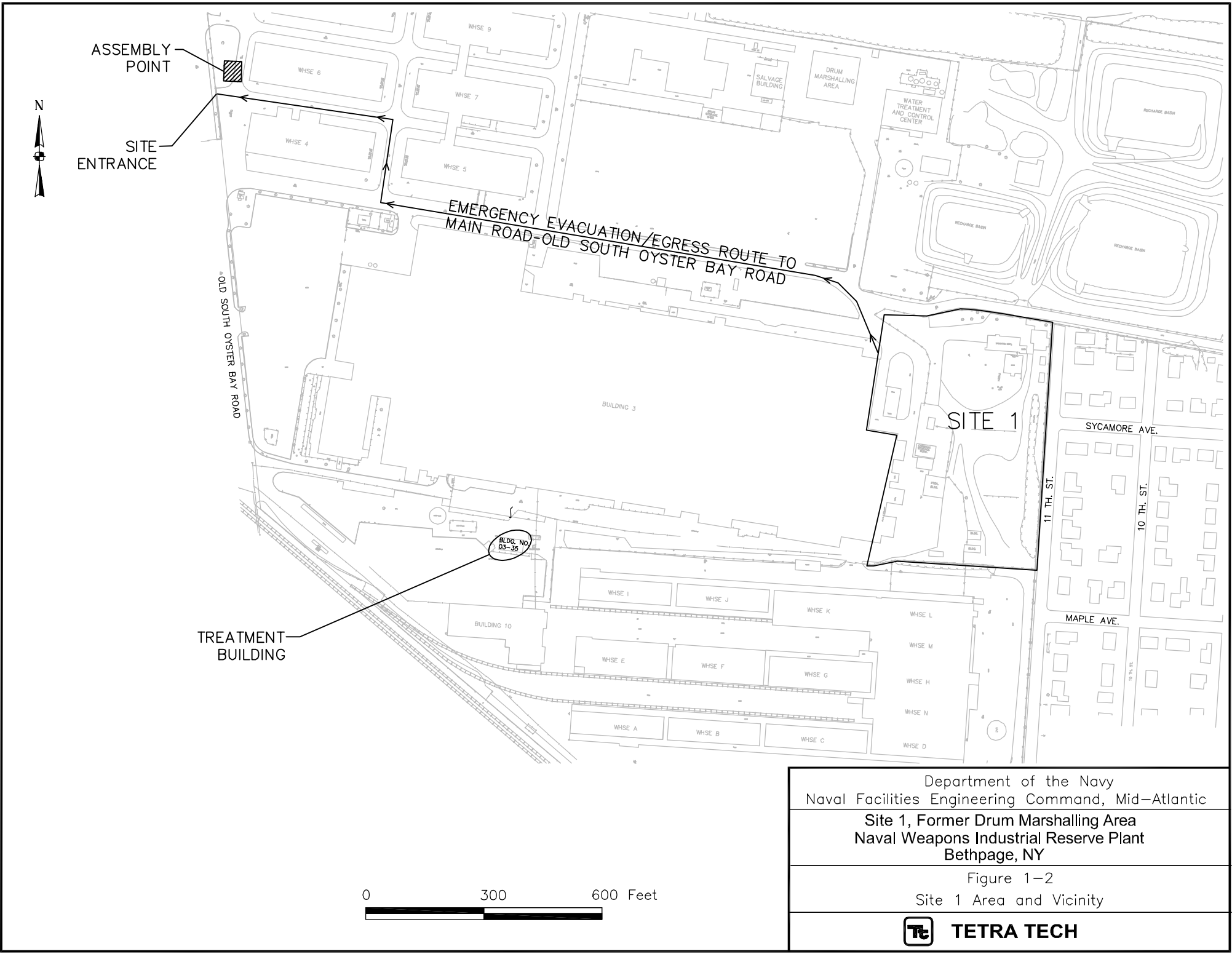


Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
Site 1, Former Drum Marshalling Area
Naval Weapons Industrial Reserve Plant
Bethpage, NY

Figure 1-1
Site Location Map



Source: U.S.G.S. Topographic Maps (7.5 Minute)
Amityville, Freeport, Hicksville, Huntington, NY Quadrangles



Department of the Navy Naval Facilities Engineering Command, Mid-Atlantic	
Site 1, Former Drum Marshalling Area Naval Weapons Industrial Reserve Plant Bethpage, NY	
Figure 1-2 Site 1 Area and Vicinity	
	TETRA TECH

NWIRP Bethpage is currently listed by NYSDEC as an “inactive hazardous waste site” (#1-30-003B), as is NGC (#1-30-003A) and the Hooker/RUCO site (#1-30-004) located less than 1/2 mile west of NWIRP Bethpage.

NWIRP Bethpage was established in 1941. Since inception, the primary mission of the facility has been the research, prototyping, testing, design engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP Bethpage include four plants (Nos. 3, 5, and 20, used for assembly and prototype testing; and No. 10, which contains a group of quality control laboratories), two warehouse complexes, a salvage storage area, water recharge basins, an industrial wastewater treatment plant, and several smaller support buildings.

Historical operations that resulted in hazardous material generation at the facility included metal finishing processes, maintenance operations, painting of aircraft and components, and other activities that involve aircraft manufacturing. Wastes generated by plant operations were disposed directly into either drainage sumps, dry wells, and/or on the ground surface, resulting in the disposal of a number of hazardous wastes, including VOCs, semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and the inorganic analytes, chromium and cadmium at the site. Some of these contaminants have migrated from the points of disposal to surrounding areas, including the soils of these sites and the groundwater beneath and downgradient of the NWIRP Bethpage property.

Remedial Investigations conducted in the early 1990s identified VOC-contaminated soils and shallow groundwater at Site 1 that were contributing to a regional groundwater plume [Halliburton NUS (HNUS) 1993]. To address this contamination, a 1995 ROD was prepared that included in-situ treatment of VOCs, excavation and offsite disposal of soils contaminated with PCBs, and placement of a permeable cover to address other residual contaminants including cadmium, chromium, and VOCs.

Soils at Site 1 consist mainly of unconsolidated sediments that overlie crystalline bedrock. The unconsolidated sediments consist of four distinct geologic units that in descending order are the Upper Glacial Formation, the Magothy Formation, the Raritan Clay, and the Lloyd Formation. For the SVECS at Site 1, the subsurface conditions consist of the Upper Glacial Formation, which is about 30 to 45 feet thick, consists chiefly of coarse sands and gravels. A clay unit is present near the groundwater table [50 feet below ground surface (bgs)] at the southeast corner of the site. This clay unit is suspected to be a source of chlorinated solvents that are migrating into the overlying soil gas and the source of offsite VOCs in soil vapor.

Chlorinated solvents including trichloroethene (TCE), tetrachloroethene (PCE), and 1,1,1-trichloroethane (TCA) have been identified as the VOCs of interest in soil gas at the site. Concentrations greater than 1,000 µg/m³ (micrograms per cubic meter of soil vapor) have been directly associated with Site 1 activities and historical environmental data, and based on preliminary screening, exceed guidelines established by the New York State Department of Health (NYDOH) for subslab soil vapor concentrations. Of these chemicals, TCE is the primary VOC of concern. Addressing TCE contamination in accordance with DOH guidance should address the other VOCs associated with the site (NYSDOH, 2006).

PCBs, cadmium, and chromium have also been identified in site soils at concentrations requiring remediation. The majority of these chemicals have been detected in the central portion of Site 1. Based on limited data, these chemicals are not expected to be present along the fence line at environmentally significant concentrations (i.e., trigger handling as hazardous waste).

1.3 Project Overview and Objectives

The remedial objective for this project was to use an on-site soil vapor extraction system to prevent further off-site migration of VOC contaminated soil vapor and to the extent practical, capture contaminated soil vapor with a TCE concentration greater than 250 ug/m³. A secondary objective of this project was to address soil vapor with a TCE concentration greater than 5 ug/m³ (*Design Analysis Report for Soil Vapor Extraction Containment System*, TtNUS, April 2009). The SVECS was designed and constructed to operate for approximately 2 to 5 years including during the winter time period.

1.4 General Description of Site 1 SVECS

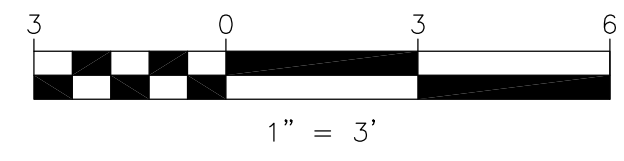
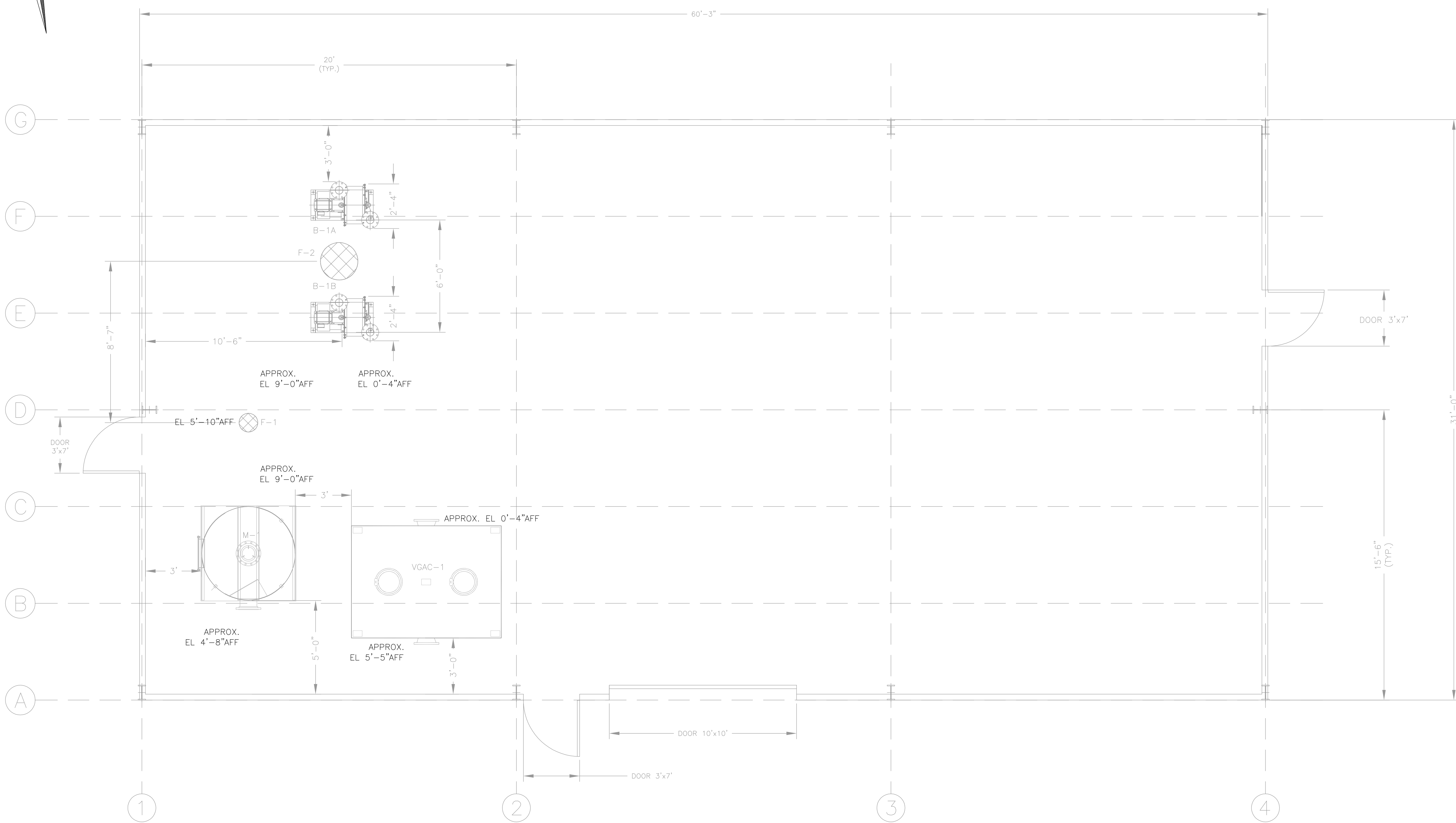
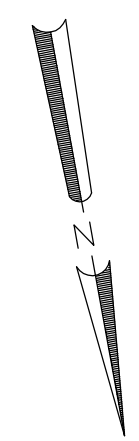
The SVECS consisted of soil vapor extraction, soil vapor monitoring, and soil vapor treatment. The twelve SVEWs were located along the eastern boundary of the Site in six clusters spaced approximately 100 feet apart. Each SVEW was piped below the ground to the Flow Monitoring Station (FMS), where flow, vacuum and vapor quality could be monitored. The FMS consisted of an 8 ft wide x 8 ft tall x 20 ft long steel storage container (Conex type) in the southeast corner of the Site. SVE lines collected into a single manifold within the Flow Monitoring Station and from this location a single underground pipeline had been routed to the Treatment Building (Building 03-35). The Treatment Building was an existing unoccupied building 31 ft wide x 60 ft long. The north side of the building was equipped with a 10 ft wide x 10 ft high overhead door. The Treatment Building also had three 3 ft x 7 ft personnel doors on the north, east and west sides. The soil vapor treatment consisted of moisture separation and off-gas treatment using vapor-phase granular activated carbon to remove the VOCs. All of the treatment operations within the Treatment Building were conducted in a 20 ft x 31 ft area on the eastern side. The layout plan for the SVECS inside the treatment building is shown on Figure 1-3. In addition, twelve SVPMs were located east and southeast of the SVEWs along 9th and 10th Streets and along Maple Avenue and Sycamore Avenue. Figure 1-4 shows the layout of SVEW and SVPM locations.

2.0 SYSTEM OPERATIONAL RESULTS

2.1 Period of Operation

From December 22, 2009 through June 28, 2010 the system ran for approximately 3,950 hours and experienced ten planned and three unplanned shutdowns. The planned shutdowns were first due to the absence of personnel to monitor the system prior to the installation of temperature and pressure switches that trigger alarms. After the installations of the switches, the system was shut down periodically to collect water from the 5 condensate ports. Details regarding the shutdowns are summarized in Table 2-1.

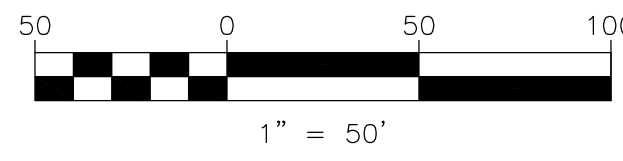
The SVECS operated during working hours for approximately 158 hours (8 hours per day) from December 17, 2009 through January 4, 2010, then continuously from January 4, 2010 through June 28, 2010 with exceptions that are detailed below. The SVECS operated a total of approximately 3,950 hours under TtEC oversight from December 2009 through the end of June 2010.



NOTES:
 1. ALL MAN DOORS AND OVERHEAD DOORS ARE EXISTING. MAN DOORS ARE APPROXIMATELY 7'X3'. OVERHEAD DOOR IS APPROXIMATELY 10'X10'.

PROCESS EQUIPMENT LIST		
ITEM NUMBER	NUMBER REQUIRED	NAME/DESCRIPTION
M-1	1	MOISTURE SEPARATOR -CONFIGURATION: VERTICAL, CYLINDRICAL -MATERIAL OF CONSTRUCTION: CARBON STEEL, EPOXY INTERIOR COATING, PAINT EXTERIOR COATING -CAPACITY: 400 GALLON CONDENSATE COLLECTION -DIMENSIONS: 5 FT DIA X 6 FEET HT, 718 GALLON
F-1	1	MAKE-UP AIR FILTER -CONFIGURATION: INTAKE FILTER/SILENCER COMBINATION HOUSING -MATERIAL OF CONSTRUCTION: CARBON STEEL, CORROSION RESISTANCE COATING -CAPACITY: 500 CFM AT 20 IW, 4 INCH FLANGED CONNECTION
F-2	1	BLOWER AIR FILTER -CONFIGURATION: INLINE VACUUM SERVICE FILTER -MATERIAL OF CONSTRUCTION: CARBON STEEL, CORROSION RESISTANCE COATING -CAPACITY: 1,200 CFM AT 35 IW, 10 INCH FLANGED CONNECTION
B-1A, B-1B	2	SOIL VAPOR EXTRACTION BLOWER -CONFIGURATION: HORIZONTAL CENTRIFUGAL -RATING: 600 CFM AT 40 IW -MOTOR: 7.5 HP, 460V, 3PH, 60HZ, ODP
VGAC-1	1	VAPOR-PHASE GRANULAR ACTIVATED CARBON -CONFIGURATION: RECTANGULAR TANK -MATERIAL OF CONSTRUCTION: CARBON STEEL, EPOXY INTERIOR COATING, EPOXY EXTERIOR COATING -RATING: 1,600 CFM AT 3 IW, 2,000 CFM AT 6 IW -CAPACITY: 5,000 LBS CARBON -DIMENSIONS: 6' X 8' FOOTPRINT, 6' 8" HT

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC <small>NAVAL WEAPONS INDUSTRIAL RESERVE PLANT</small>	BETHPAGE, NEW YORK SITE 1, FORMER DRUM MARSHALLING AREA SOIL VAPOR EXTRACTION CONTAINMENT SYSTEM LAYOUT PLAN	NAVAL FACILITIES ENGINEERING COMMAND BETHPAGE, NEW YORK BETA DATE	TETRA TECH ENGINEERING CORPORATION PC <small>DESIGN: DR. SUBMITTED BY: SOUTHWESTERN PPE</small> <small>CHK. ENGR. DR. ENGR. (TITLE) (DATE)</small> <small>OFFICER IN CHARGE APPROVED</small>	APPROVED DATE	APPROVED DATE
SEAL AREA	SEAL AREA	SEAL AREA	SEAL AREA	SEAL AREA	SEAL AREA
THIS DRAWING PRODUCED ON AUTOCAD DO NOT REVISE MANUALLY		SAT TO _____ DATE _____		CODE I.D. NO. _____ SCALE: AS SHOWN SPEC. NO. _____ CONSTR. CONTR. NO. N62473-10-D-3211 NAVFAC DRAWING NO. _____	
THIS DOCUMENT IS THE PROPERTY OF NAVAL FACILITIES ENGINEERING COMMAND, PREPARED BY TETRA TECH ENGINEERING CORPORATION PC, AND IS PROVIDED UPON THE CONDITION THAT IT WILL NOT BE REPRODUCED, COPIED, OR ISSUED TO A THIRD PARTY, AND WILL BE USED SOLELY FOR THE ORIGINAL INTENDED PURPOSE AND SOLELY FOR THE EXECUTION OR REVIEW OF THE ENGINEERING CONSTRUCTION OF THE PROJECT.		SHEET _____ OF _____ SIZE: D FIGURE NO. 1-3		IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, FOR ANY PERSON, UNLESS UNDER THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY.	



- NOTES:**
1. FOR WELL DETAILS SEE DRAWING C-5.
 2. A TOTAL OF TWELVE SVE WELLS SHALL BE USED FOR VAPOR EXTRACTION. SVE-1011 AND SVE-101D ARE EXISTING AND OTHERS SHALL BE INSTALLED DURING CONSTRUCTION PHASE. THE SVE WELLS SHALL BE SCREENED AT INTERMEDIATE DEPTHS (25-30 FT) AND DEEP DEPTHS (40-60 FT). SEE DETAIL NOS. 4 AND 5 ON DRAWING NO. C-5 FOR SVE WELL DETAILS.
 3. A TOTAL OF NINE SOIL VAPOR PRESSURE MONITORS SHALL BE USED TO MEASURE TREATMENT SYSTEM VACUUMS. SVPM-2004I AND SVPM-2004D SHALL BE INSTALLED DURING CONSTRUCTION PHASE. SOIL VAPOR PRESSURE MONITORS SVPM-2002S, I & D, SVPM-2003S & I AND SVPM-2007I & D ARE EXISTING BUT MUST BE REDEVELOPED BY REMOVING FILLED SAND (NO. 2) AND INSTALLATION OF PERMANENT FLUSH MOUNT CASING. SEE DETAIL NOS. 6, 7 AND 8 ON DRAWING NO. C-5 FOR SVPM DETAILS.

- LEGEND**
- OFFSITE SOIL GAS SAMPLE LOCATION
 - ONSITE SOIL GAS SAMPLE LOCATION
 - ▲ SOIL VAPOR PRESSURE MONITORING POINT (SVPM)
 - SVE CONTAINMENT WELL LOCATION
 - FENCE LINE
 - PROPERTY LINE
 - △ PROPOSED SOIL VAPOR PRESSURE MONITORING POINT (SVPM)
 - ⊗ SOIL VAPOR EXTRACTION WELLS

THIS DRAWING PRODUCED ON AUTOCAD DO NOT REVISE MANUALLY		SAT TO	DATE
THIS DOCUMENT IS THE PROPERTY OF NAVAL FACILITIES ENGINEERING COMMAND, PREPARED BY TETRA TECH ENGINEERING CORPORATION PC, AND IS PROVIDED UPON THE CONDITION THAT IT WILL NOT BE REPRODUCED, COPIED, OR ISSUED TO A THIRD PARTY, AND WILL BE USED SOLELY FOR THE ORIGINAL INTENDED PURPOSE AND SOLELY FOR THE EXECUTION OR REVIEW OF THE ENGINEERING CONSTRUCTION OF THE PROJECT.		CODE I.D. NO.	SCALE : AS SHOWN
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, FOR ANY PERSON UNLESS UNDER THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY.		SPEC. NO.	CONSTR. CONTR. NO.
		N62473-10-D-3211	
		NAVFAC DRAWING NO.	
SHEET OF		FIGURE NO.	
D		1-4	

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC	NAVAL WEAPONS INDUSTRIAL RESERVE PLANT	BETHPAGE, NEW YORK
SEAL AREA	SITE 1, FORMER DRUM MARSHALLING AREA		
	LOCATION OF SOIL VAPOR EXTRACTION WELLS AND SOIL VAPOR PRESSURE MONITORS		
APPROVED	DATE	EPNAME FOR COMMANDER, NAVFAC	DATE
APPROVED			
REV	0	ISSUED FOR CONSTRUCTION	
DESCRIPTION	ISSUED FOR CONSTRUCTION		
PREP BY	DLB	DATE	10-14-08
APPRVD	SGP	DATE	10-14-08
SUBMITTED BY:	CH. ENG.	CH. SUP.	CH. SUP.
SIGNATURE:	(NAME)	(NAME)	(NAME)
SUBMITTING OFF.	NS	NO	DR
OFFICE IN CHARGE	PFE	DR	DATE
APPROVED			

TETRA TECH ENGINEERING CORPORATION PC

Table 2-1 – Summary of System Shutdowns

Type / Cause	Start	Finish	Duration	Comments
Shutdown Period during Christmas 2009 and New Years Day 201	Dec 22, 2009	Jan 4, 2010	264 hours	No overnight personnel to monitor operation before installation of temperature and pressure switches to trigger alarms
Condensate Collection	Jan 14, 2010	Jan 14, 2010	2 hours	Routine
Condensate Collection	Jan 26, 2010	Jan 26, 2010	2 hours	Routine
Condensate Collection	March 4, 2010	March 4, 2010	3 hours	Routine
Condensate Collection	March 19, 2010	March 19, 2010	3 hours	Routine
Shutoff due to blower overload protection	March 23, 2010	March 24, 2010	24 hours	Unplanned
Condensate Collection	April 1, 2010	April 1, 2010	1 hour	Routine
Condensate Collection	April 15, 2010	April 15, 2010	2 hours	Routine
High vacuum alarm (PSL-101) shutdown	April 15, 2010	April 16, 2010	12 hours	Unplanned
Condensate Collection	April 28, 2010	April 28, 2010	2 hours	Routine
Shutoff due to blower overload protection	April 28, 2010*	May 4, 2010	136 hours*	Unplanned
Condensate Collection	May 12, 2010	May 12, 2010	5 hours	Routine
Condensate Collection	May 27, 2010	May 27, 2010	1 hour	Routine

*Note: The time of this shutdown is unknown because it occurred before the installation of the overload protection alarm relay. The worst-case scenario is given above, assuming the shutdown occurred immediately after personnel left the plant.

2.2 Vapor Sampling Events and Results

TtEC collected summa canister samples at Pre-Carbon and Post-Carbon locations on the following dates:

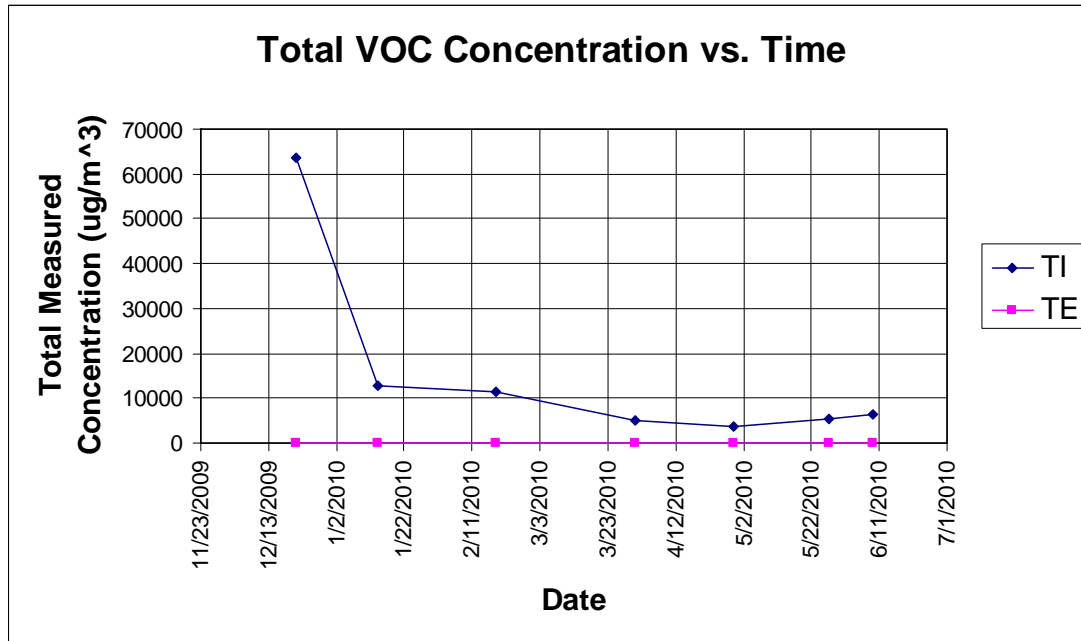
- 12/21/2009, 1/14/2010, 2/18/2010, 3/31/2010, 4/29/2010, 5/27/2010, and 6/9/2010

TtEC collected summa canister samples at each well location on the following dates:

- 12/21/2009, 3/31/2010, and 6/9/2010

A summary of vapor sample results is provided in Appendix A and analytical data is provided in Appendix B. The VOC concentrations have decreased throughout the operation of the system as shown below in Figure 2-1. The greatest decrease in total VOC concentrations occurred within the first month of operation between the collection of the vapor samples on December 21, 2009 that established the project baseline and the samples collected on January 14, 2010.

Figure 2-1 Graph of Total VOC Concentrations Over Time



TI = Total Influent concentrations measured at the vapor phase carbon vessel inlet
TE = Total Effluent concentrations measured at the vapor phase carbon vessel outlet

2.3 SVECS Shutdowns

A total of thirteen SVECS shutdowns occurred over TtEC's oversight time period. The first shutdown period of December 22, 2009 to January 4, 2010 occurred over the Christmas and New Years holiday period because the temperature and pressure switches to create an alarm in the event of problems were not yet installed. The system operated during normal business hours during this time period. All the shutdowns are described in Table 2-1.

2.4 SVECS Inspections and Maintenance

Typical bi-weekly operation and maintenance inspection of the SVECS was performed on January 14, January 26, February 18, March 4, March 19, March 31, April 15, April 28, May 12, May 27, June 9, and June 28 of 2010. Measurements were obtained from all instruments including vacuum gauges, temperature gauges, and flow meters. Vacuum readings were collected from the SVPMS located in the residential area. SVPMS vacuum readings confirmed a sustained vacuum of 0.01 inches of water, which is indicative of soil vapor capture at each location. SVECS and SVPMS measurements are summarized in Appendix C. Condensation did not accumulate in the moisture separator and therefore was not drained. Each condensate port was drained as needed and general site inspections were conducted. The blowers were rotated and the vapor phase carbon unit was checked for leaks at the inlet and outlet.

2.5 SVECS Alarms

Three alarm shutdowns occurred that were not planned. The details of these shutdowns are summarized as follows:

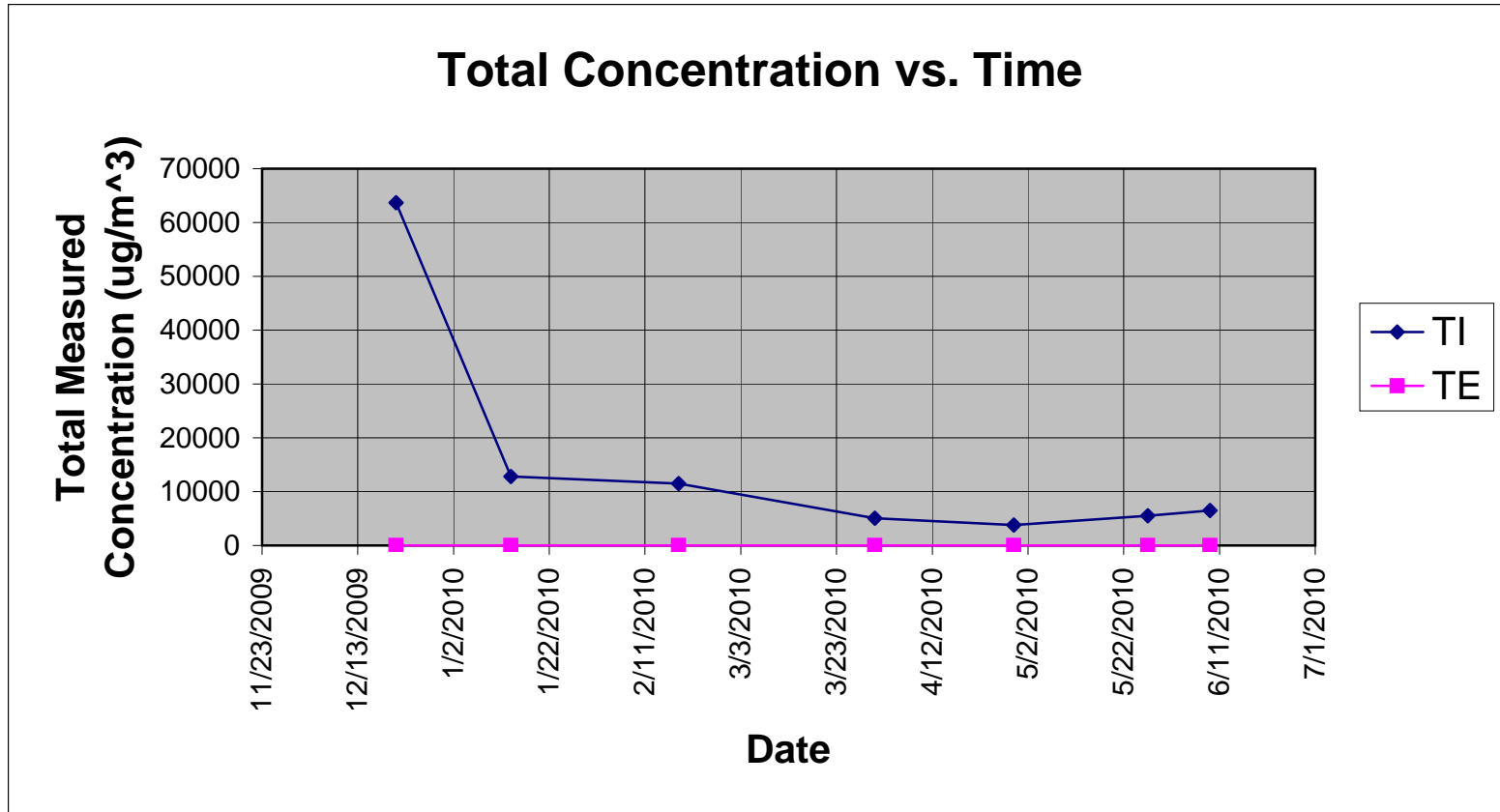
- On March 23, 2010, Mr. Al Taormina of ECOR Solutions, Inc. observed that the plant was not operating. No alarm was triggered by this shutdown. After investigation it was determined that the shutdown was due to the internal high current breaker in the blower motor. This same scenario had occurred during the SVECS startup and testing phase when it was determined that an extreme high flowrate scenario could cause this if the valves on the standby blower were left open too far. The valves were left open slightly so that airflow would constantly rotate the inactive blower, which allowed maintenance to be performed biweekly instead of weekly. The combination of leaving these valves too far open, along with the saturated soil conditions, led to a high flowrate situation that overloaded the high current breaker in the motor. The system was restarted on March 24, 2010 after the valves were adjusted and routine maintenance performed.
- On April 15, 2010, at approximately 9:30PM, a high vacuum alarm was triggered. It was determined that the plant had been operating at an above normal vacuum. This, combined with the minor oscillation of the system due to water in the main process line from the FMS to the treatment building caused the vacuum to momentarily jump above the 50 inches of water alarm condition. The water was from surface water percolation that created a higher than normal groundwater elevation. It was established that the system not be operated such that pressure indicator PI-102 reads above 40 inches of water to avoid this situation. Routine maintenance was performed on the system, and it was restarted on April 16, 2010 at 12:00PM.
- On May 4, 2010 Mr. Taormina observed that the plant was not operating. No alarm was triggered from this shutdown. After investigation it was determined that it was due to the internal high current breaker in the motor, similar to the March 23, 2010 shutdown. Two preventative measures were taken to prevent this situation in the future. First, it was decided that the valves on either side of the standby blower should be closed completely, rather than opened slightly to rotate the extra blower slowly for bearing maintenance. Second, a relay was added on May 28, 2010 so that this overload shutoff would trigger an alarm phone call through the auto-dialer.

3.0 CONCLUSIONS

Based on summa canister analytical results, it is estimated that 31 pounds of contaminants have been removed by the SVECS from the subsurface. Based on the contaminant removal, the consistent vacuum readings at the SVPMs and the decrease of total VOC concentrations over time, it is clear that remedial progress has been made by the SVECS within the area of concern.

Appendix A
Vapor Concentration Data

Concentrations Graph



Date	Total TI ($\mu\text{g}/\text{m}^3$)	Total TE ($\mu\text{g}/\text{m}^3$)
12/21/2009	63650	0
1/14/2010	12800	0
2/18/2010	11490	0
3/31/2010	5064.2	4.6
4/29/2010	3783	0
5/27/2010	5507.8	0
6/9/2010	6482.6	0

Total Discharge from Stack (lbs)
0.005471

Total Contained in Carbon (lbs)
30.73743

Baseline Data
December 21, 2009

TtEC Sample ID	SVETI-122109		SVETE-122109		SVE-101I-122109		SVE-101D-122109		SVE-102I-122109	
Lab Sample ID	0912590-01A		0912590-02A		0912590-03A		0912590-04A		0912590-13A	
Case Number	912590		912590		912590		912590		912590	
Date Sampled	12/21/2009		12/21/2009		12/21/2009		12/21/2009		12/21/2009	
Date Received	12/23/2009		12/23/2009		12/23/2009		12/23/2009		12/23/2009	
Date Reported	1/11/2010		1/11/2010		1/11/2010		1/11/2010		1/11/2010	
VOCs										
Analytical Method	TO-15		TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	290	250	250	180	ND	ND
<i>1,1-Dichloroethane</i>	95	400	ND	ND	300	1200	260	660	ND	ND
<i>cis 1,2-Dichloroethene</i>	93	350	ND	ND	290	480	250	220	ND	ND
<i>1,1,1-Trichloroethane</i>	130	13000	ND	ND	400	51000	350	26000	ND	ND
<i>Trichloroethene</i>	120	42000	ND	ND	390	180000	340	100000	4.9	5.6
<i>Tetrachloroethene</i>	160	7900	ND	ND	500	1700	430	3200	6.2	2.4
<i>trans-1,2-Dichloroethene</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DUE TO AMBIENT PRESSURE OR VACUUM ISSUES IN THE SUMMA CANNISTERS THE RESULTS FROM THE JANUARY 14, 2010 SAMPLES WERE USED FOR BASELINE OF SVE WELLS 103D, 104D, AND 105I.

TOTAL CONCENTRATION		63650		0		234630		130260		8
TOTAL CONCENTRATION (lbs/m3)		0.0001		0		0.0005		0.0003		2E-08
TOTAL CONCENTRATION (lbs/ft3)		4E-06		0		1E-05		8E-06		5E-10

FLOWRATE (SCFM)	FLOWMETER NOT INSTALLED
MASS FLOWRATE (lbs/min)	FLOWMETER NOT INSTALLED
MASS FLOWRATE (lbs/hr)	

OPERATING TIME (HOURS)			
CUMULATIVE OPERATING TIME (HOURS)			

Baseline Data
December 21, 2009

TtEC Sample ID	SVE-102D-122109		SVE-103I-122109		SVE-103D-011410		SVE-104I-122109	
Lab Sample ID	0912590-12A		0912590-05A		1001293-04A		0912590-09A	
Case Number	912590		912590		912590		912590	
Date Sampled	12/21/2009		12/21/2009		1/14/2010		12/21/2009	
Date Received	12/23/2009		12/23/2009		1/18/2010		12/23/2009	
Date Reported	1/11/2010		1/11/2010		2/1/2010		1/11/2010	
VOCs								
Analytical Method	TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethane</i>	ND	ND	15	26	65	82	7.1	24
<i>cis 1,2-Dichloroethene</i>	ND	ND	15	58	64	420	6.9	110
<i>1,1,1-Trichloroethane</i>	5	130	21	720	88	3000	9.5	730
<i>Trichloroethene</i>	4.9	440	20	900	86	3100	9.4	710
<i>Tetrachloroethene</i>	6.2	10	26	580	110	20000	12	3100
<i>trans-1,2-Dichloroethene</i>	ND	ND	26	580	ND	ND	6.9	15

DUE TO AMBIENT PRESSURE OR VACUUM ISSUES IN THE SUMMA CANNISTERS THE RESULTS FROM THE JANUARY 14, 2010 SAMPLES WERE USED FOR BASELINE OF SVE WELLS 103D, 104D, AND 105I.

TOTAL CONCENTRATION		580		2864		26602		4689
TOTAL CONCENTRATION (lbs/m3)		1E-06		6E-06		6E-05		1.03375E-05
TOTAL CONCENTRATION (lbs/ft3)		4E-08		2E-07		2E-06		2.92725E-07

FLOWRATE (SCFM)
MASS FLOWRATE (lbs/min)
MASS FLOWRATE (lbs/hr)

OPERATING TIME (HOURS)
CUMULATIVE OPERATING TIME (HOURS)

Baseline Data
December 21, 2009

TtEC Sample ID	SVE-104D-011410		SVE-105I-011410		SVE-105D-122109		SVE-106I-122109		SVE-106D-122109	
Lab Sample ID	1001293-05A		1001293-06A		0912590-06A		0912590-10A		0912590-11A	
Case Number	912590		912590		912590		912590		912590	
Date Sampled	1/14/2010		1/14/2010		12/21/2009		12/21/2009		12/21/2009	
Date Received	1/18/2010		1/18/2010		12/23/2009		12/23/2009		12/23/2009	
Date Reported	2/1/2010		2/1/2010		1/11/2010		1/11/2010		1/11/2010	
VOCs										
Analytical Method	TO-15		TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	3.8	3.9	ND	ND	ND	ND
<i>1,1-Dichloroethane</i>	680	290	ND	ND	3.9	300	4.7	120	8.1	250
<i>cis 1,2-Dichloroethene</i>	670	2400	ND	ND	3.8	61	4.6	46	8	79
<i>1,1,1-Trichloroethane</i>	92	3600	4.4	9.9	5.2	550	6.4	220	11	340
<i>Trichloroethene</i>	90	4600	4.3	76	5.1	1700	6.3	1900	11	3400
<i>Tetrachloroethene</i>	110	20000	5.5	70	6.5	2100	7.9	390	14	720
<i>trans-1,2-Dichloroethene</i>	67	130	ND	ND	3.8	19	4.6	7.9	8	15

DUE TO AMBIENT PRESSURE OR VACUUM ISSUES IN THE SUMMA CANNISTERS THE RESULTS FROM THE JANUARY 14, 2010 SAMPLES WERE USED FOR BASELINE OF SVE WELLS 103D, 104D, AND 105I.

TOTAL CONCENTRATION		31020		155.9		4733.9		2683.9		4804
TOTAL CONCENTRATION (lbs/m3)		7E-05		3E-07		1E-05		6E-06		1E-05
TOTAL CONCENTRATION (lbs/ft3)		2E-06		1E-08		3E-07		2E-07		3E-07

FLOWRATE (SCFM)
MASS FLOWRATE (lbs/min)
MASS FLOWRATE (lbs/hr)

OPERATING TIME (HOURS)
CUMULATIVE OPERATING TIME (HOURS)

January 14, 2010

TtEC Sample ID	SVETI-011410	SVETE-011410		
Lab Sample ID	1001293-01A	1001293-02A		
Case Number	912590	912590		
Date Sampled	1/14/2010	1/14/2010		
Date Received	1/18/2010	1/18/2010		
Date Reported	2/1/2010	2/1/2010		
VOCs				
Analytical Method	TO-15	TO-15		
Units	ug/m3	ug/m3		
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND
<i>1,1-Dichloroethane</i>	26	100	ND	ND
<i>cis 1,2-Dichloroethene</i>	25	410	ND	ND
<i>1,1,1-Trichloroethane</i>	34	190	ND	ND
<i>Trichloroethene</i>	34	7800	ND	ND
<i>Tetrachloroethene</i>	43	4300	ND	ND
<i>trans-1,2-Dichloroethene</i>	ND	ND	ND	ND

<i>TOTAL CONCENTRATION</i>		12800		0
<i>TOTAL CONCENTRATION (lbs/m3)</i>		3E-05		0
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		8E-07		0

<i>FLOWRATE (SCFM)</i>		385		385
<i>MASS FLOWRATE (lbs/min)</i>		0.0003		0
<i>MASS FLOWRATE (lbs/hr)</i>		0.0185		0

<i>OPERATING TIME FROM JANUARY 4, 2010 (HOURS)</i>		240		240
<i>CUMULATIVE OPERATING TIME (HOURS)</i>		240		

TtEC Sample ID	SVETI-021810	SVETE-021810		
Lab Sample ID	1002449-01A	1002449-02A		
Case Number	912590	912590		
Date Sampled	2/18/2010	2/18/2010		
Date Received	2/22/2010	2/22/2010		
Date Reported	3/5/2010	3/5/2010		
VOCs				
Analytical Method	TO-15	TO-15		
Units	ug/m3	ug/m3		
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND
<i>1,1-Dichloroethene</i>	8.4	ND	ND	ND
<i>1,1-Dichloroethane</i>	8.6	74	ND	ND
<i>cis 1,2-Dichloroethene</i>	8.4	1100	ND	ND
<i>1,1,1-Trichloroethane</i>	12	1100	ND	ND
<i>Trichloroethene</i>	11	3500	ND	ND
<i>Tetrachloroethene</i>	14	5700	ND	ND
<i>trans-1,2-Dichloroethene</i>	8.4	16	ND	ND

<i>TOTAL CONCENTRATION</i>		11490		0
<i>TOTAL CONCENTRATION (lbs/m3)</i>		3E-05		0
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		7E-07		0

<i>FLOWRATE (SCFM)</i>		215		215
<i>MASS FLOWRATE (lbs/min)</i>		0.0002		0
<i>MASS FLOWRATE (lbs/hr)</i>		0.0093		0

<i>OPERATING TIME FROM JANUARY 14, 2010 (HOURS)</i>		840		840
<i>CUMULATIVE OPERATING TIME (HOURS)</i>		1080		

March 31, 2010

TtEC Sample ID	SVETI-033110		SVETE-122109		SVE-101I-122109		SVE-101D-122109	
Lab Sample ID	1004097-01A		1004097-03A		1004097-05A		1004097-06A	
Case Number	1004097		1004097		1004097		1004097	
Date Sampled	3/31/2010		3/31/2010		3/31/2010		3/31/2010	
Date Received	4/5/2010		4/5/2010		4/5/2010		4/5/2010	
Date Reported	4/16/2010		4/16/2010		4/16/2010		4/16/2010	
VOCs								
Analytical Method	TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	4.8	1.2	2.1	2.1	ND	ND	ND	ND
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	ND	ND	3.8	2
<i>1,1-Dichloroethane</i>	7.7	26	ND	ND	44	65	3.9	3.9
<i>cis 1,2-Dichloroethene</i>	7.5	280	ND	ND	44	59	3.8	8.5
<i>1,1,1-Trichloroethane</i>	10	450	ND	ND	60	3900	5.3	130
<i>Trichloroethene</i>	10	2000	4.4	1.1	59	18000	5.2	1600
<i>1,2-Dichloroethane</i>	7.7	2.8	ND	ND	44	30	3.9	0.5
<i>Tetrachloroethene</i>	13	2300	5.5	1.4	75	410	6.5	1200
<i>trans-1,2-Dichloroethene</i>	7.5	4.2	ND	ND	ND	ND	ND	ND

<i>TOTAL CONCENTRATION (ug/m3)</i>		5064.2		4.6		22464		2944.9
<i>TOTAL CONCENTRATION (lbs/m3)</i>		1E-05		1E-08		5E-05		6E-06
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		3E-07		3E-10		1E-06		2E-07

<i>FLOWRATE (SCFM)</i>		315		315
<i>MASS FLOWRATE (lbs/min)</i>		1E-04		9E-08
<i>MASS FLOWRATE (lbs/hr)</i>		0.006		5E-06

<i>OPERATING TIME FROM FEBRUARY 18, 2010 (HOURS)</i>		1008		1008
<i>CUMULATIVE OPERATING TIME (HOURS)</i>		2088		

March 31, 2010

TtEC Sample ID	SVE-102I-122109		SVE-102D-122109		SVE-103I-122109		SVE-103D-011410	
Lab Sample ID	1004097-07A		1004097-08A		1004097-09A		1004097-10A	
Case Number	1004097		1004097		1004097		1004097	
Date Sampled	3/31/2010		3/31/2010		3/31/2010		3/31/2010	
Date Received	4/5/2010		4/5/2010		4/5/2010		4/5/2010	
Date Reported	4/16/2010		4/16/2010		4/16/2010		4/16/2010	
VOCs								
Analytical Method	TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND	ND	ND	29	5.9
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethane</i>	ND	ND	3.5	2.7	ND	ND	46	69
<i>cis 1,2-Dichloroethene</i>	ND	ND	3.5	1.4	ND	ND	45	1500
<i>1,1,1-Trichloroethane</i>	ND	ND	4.8	53	ND	ND	62	1100
<i>Trichloroethene</i>	4.5	3.8	4.7	390	4.4	0.9	61	1600
<i>1,2-Dichloroethane</i>	ND	ND	ND	ND	ND	ND	ND	ND
<i>Tetrachloroethene</i>	5.7	1.4	5.9	31	ND	ND	77	28000
<i>trans-1,2-Dichloroethene</i>	ND	ND	ND	ND	ND	ND	45	24

<i>TOTAL CONCENTRATION (ug/m3)</i>		5.2		478.1		0.9		32299
<i>TOTAL CONCENTRATION (lbs/m3)</i>		1E-08		1E-06		2E-09		7E-05
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		3E-10		3E-08		6E-11		2E-06

<i>FLOWRATE (SCFM)</i>
<i>MASS FLOWRATE (lbs/min)</i>
<i>MASS FLOWRATE (lbs/hr)</i>

<i>OPERATING TIME FROM FEBRUARY 18, 2010 (HOURS)</i>
<i>CUMULATIVE OPERATING TIME (HOURS)</i>

March 31, 2010

TtEC Sample ID	SVE-104I-122109		SVE-104D-011410		SVE-105I-011410	
Lab Sample ID	1004097-11A		1004097-12A		1004097-13A	
Case Number	1004097		1004097		1004097	
Date Sampled	3/31/2010		3/31/2010		3/31/2010	
Date Received	4/5/2010		4/5/2010		4/5/2010	
Date Reported	4/16/2010		4/16/2010		4/16/2010	
VOCs						
Analytical Method	TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	2	0.47	43	12	ND	ND
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethane</i>	3.2	0.54	68	350	3.4	5.7
<i>cis 1,2-Dichloroethene</i>	3.2	14	67	6600	3.3	6.6
<i>1,1,1-Trichloroethane</i>	4.4	4.2	92	3000	4.6	11
<i>Trichloroethene</i>	4.3	44	90	6000	4.5	6.3
<i>1,2-Dichloroethane</i>	ND	ND	ND	ND	ND	ND
<i>Tetrachloroethene</i>	5.4	210	110	39000	5.7	9.1
<i>trans-1,2-Dichloroethene</i>	ND	ND	67	70	ND	ND

<i>TOTAL CONCENTRATION (ug/m3)</i>		273.21		55032		38.7
<i>TOTAL CONCENTRATION (lbs/m3)</i>		6.02325E-07		0.0001		9E-08
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		1.70559E-08		3E-06		2E-09

<i>FLOWRATE (SCFM)</i>
<i>MASS FLOWRATE (lbs/min)</i>
<i>MASS FLOWRATE (lbs/hr)</i>

<i>OPERATING TIME FROM FEBRUARY 18, 2010 (HOURS)</i>
<i>CUMULATIVE OPERATING TIME (HOURS)</i>

March 31, 2010

TtEC Sample ID	SVE-105D-122109		SVE-106I-122109		SVE-106D-122109	
Lab Sample ID	1004097-14A		1004097-15A		1004097-16A	
Case Number	1004097		1004097		1004097	
Date Sampled	3/31/2010		3/31/2010		3/31/2010	
Date Received	4/5/2010		4/5/2010		4/5/2010	
Date Reported	4/16/2010		4/16/2010		4/16/2010	
VOCs						
Analytical Method	TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	ND	ND	ND	ND	2.2	1.6
<i>1,1-Dichloroethene</i>	ND	ND	ND	ND	ND	ND
<i>1,1-Dichloroethane</i>	3.3	28	ND	ND	3.5	6.3
<i>cis 1,2-Dichloroethene</i>	3.3	36	ND	ND	3.4	13
<i>1,1,1-Trichloroethane</i>	4.5	47	32	8.6	4.7	32
<i>Trichloroethene</i>	4.4	68	32	41	4.6	600
<i>1,2-Dichloroethane</i>	ND	ND	ND	ND	ND	ND
<i>Tetrachloroethene</i>	3.3	1.1	40	35	5.9	65
<i>trans-1,2-Dichloroethene</i>	3.3	1.1	ND	ND	ND	ND

<i>TOTAL CONCENTRATION (ug/m3)</i>		181.2		84.6		717.9
<i>TOTAL CONCENTRATION (lbs/m3)</i>		4E-07		2E-07		2E-06
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		1E-08		5E-09		4E-08

<i>FLOWRATE (SCFM)</i>
<i>MASS FLOWRATE (lbs/min)</i>
<i>MASS FLOWRATE (lbs/hr)</i>

<i>OPERATING TIME FROM FEBRUARY 18, 2010 (HOURS)</i>
<i>CUMULATIVE OPERATING TIME (HOURS)</i>

TtEC Sample ID	SVETI-042910-01	SVETE-042910		
Lab Sample ID	1005019-01A	1005019-02A		
Case Number	1005019	1005019		
Date Sampled	4/29/2010	4/29/2010		
Date Received	5/3/2010	5/3/2010		
Date Reported	5/12/2010	5/12/2010		
VOCs				
Analytical Method	TO-15	TO-15		
Units	ug/m3	ug/m3		
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	2.2	ND	2.8	ND
<i>1,1-Dichloroethene</i>	3.5	ND	4.4	ND
<i>1,1-Dichloroethane</i>	3.5	23	4.5	ND
<i>cis 1,2-Dichloroethene</i>	3.5	180	4.4	ND
<i>1,1,1-Trichloroethane</i>	4.8	280	6.1	ND
<i>Trichloroethene</i>	4.7	1400	6	ND
<i>Tetrachloroethene</i>	5.9	1900	7.6	ND
<i>trans-1,2-Dichloroethene</i>	3.5	ND	4.4	ND

<i>TOTAL CONCENTRATION</i>		3783		0
<i>TOTAL CONCENTRATION (lbs/m3)</i>		8E-06		0
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		2E-07		0

<i>FLOWRATE (SCFM)</i>		323		323
<i>MASS FLOWRATE (lbs/min)</i>		8E-05		0
<i>MASS FLOWRATE (lbs/hr)</i>		0.0046		0

<i>OPERATING TIME FROM MARCH 31, 2010 (HOURS)</i>		696		696
<i>CUMULATIVE OPERATING TIME (HOURS)</i>		2784		

TtEC Sample ID	SVETI-052710-01	SVETE-052710	
Lab Sample ID	1006011-01A	1006011-02A	
Case Number	1006011	1006011	
Date Sampled	5/27/2010	5/27/2010	
Date Received	6/1/2010	6/1/2010	
Date Reported	6/17/2010	6/17/2010	
VOCs			
Analytical Method	TO-15	TO-15	
Units	ug/m3	ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit Results
<i>Vinyl Chloride</i>	3.2	ND	2.3 ND
<i>1,1-Dichloroethene</i>	5	ND	3.5 ND
<i>1,1-Dichloroethane</i>	5	43	3.6 ND
<i>cis 1,2-Dichloroethene</i>	5	520	3.5 ND
<i>1,1,1-Trichloroethane</i>	6.8	440	4.9 ND
<i>Trichloroethene</i>	6.7	1800	4.8 ND
<i>Tetrachloroethene</i>	8.5	2700	6.1 ND
<i>trans-1,2-Dichloroethene</i>	5	4.8	3.5 ND

<i>TOTAL CONCENTRATION</i>		5507.8		0
<i>TOTAL CONCENTRATION (lbs/m3)</i>		1E-05		0
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		3E-07		0

<i>FLOWRATE (SCFM)</i>		420		420
<i>MASS FLOWRATE (lbs/min)</i>		0.0001		0
<i>MASS FLOWRATE (lbs/hr)</i>		0.0087		0

<i>OPERATING TIME FROM APRIL 29, 2010 (HOURS)</i>		696		696
<i>CUMULATIVE OPERATING TIME (HOURS)</i>		3480		

June 9, 2010

TtEC Sample ID	SVETI-060910-1	SVETE-060910	SVE101I-060910	SVE101D-060910
Lab Sample ID	1006278-01A	1006278-02A	1006278-03A	1006278-04A
Case Number	1006278	1006278	1006278	1006278
Date Sampled	6/9/2010	6/9/2010	6/9/2010	6/9/2010
Date Received	6/11/2010	6/11/2010	6/11/2010	6/11/2010
Date Reported	6/28/2010	6/28/2010	6/28/2010	6/28/2010
VOCs				
Analytical Method	TO-15	TO-15	TO-15	TO-15
Units	ug/m3	ug/m3	ug/m3	ug/m3
Reporting Limit / Results	Reporting Limit Results	Reporting Limit Results	Reporting Limit Results	Reporting Limit Results
<i>Vinyl Chloride</i>	4.6 ND	2.1 ND	16 ND	2.2 ND
<i>1,1-Dichloroethene</i>	7.1 ND	3.3 ND	26 ND	3.4 ND
<i>1,1-Dichloroethane</i>	7.2 49	3.4 ND	26 34	3.5 ND
<i>cis 1,2-Dichloroethene</i>	7.1 430	3.3 ND	26 ND	3.4 7.5
<i>1,1,1-Trichloroethane</i>	9.8 400	4.6 ND	35 2600	4.7 53
<i>Trichloroethene</i>	9.6 2200	4.5 ND	35 14000	4.6 310
<i>1,2-Dichloroethane</i>	7.2 ND	3.4 ND	26 ND	3.5 ND
<i>Tetrachloroethene</i>	12 3400	5.7 ND	44 260	5.8 1200
<i>trans-1,2-Dichloroethene</i>	7.1 3.6	3.3 ND	26 ND	3.4 ND

<i>TOTAL CONCENTRATION (ug/m3)</i>		6482.6		0		16894		1570.5
<i>TOTAL CONCENTRATION (lbs/m3)</i>		1E-05		0		4E-05		3E-06
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		4E-07		0		1E-06		1E-07

<i>FLOWRATE (SCFM)</i>		435		435
<i>MASS FLOWRATE (lbs/min)</i>		0.0002		0
<i>MASS FLOWRATE (lbs/hr)</i>		0.0106		0

<i>OPERATING TIME FROM MAY 27, 2010 (HOURS)</i>		312		312
<i>CUMULATIVE OPERATING TIME (HOURS)</i>		3792		

June 9, 2010

TtEC Sample ID	SVE102I-060910		SVE102D-060910		SVE103I-060910		SVE103D-060910	
Lab Sample ID	1006278-05A		1006278-06A		1006278-07A		1006278-08A	
Case Number	1006278		1006278		1006278		1006278	
Date Sampled	6/9/2010		6/9/2010		6/9/2010		6/9/2010	
Date Received	6/11/2010		6/11/2010		6/11/2010		6/11/2010	
Date Reported	6/28/2010		6/28/2010		6/28/2010		6/28/2010	
VOCs								
Analytical Method	TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	2.1	ND	2.1	ND	2.1	ND	1.8	ND
<i>1,1-Dichloroethene</i>	3.3	ND	3.3	ND	3.2	ND	2.7	ND
<i>1,1-Dichloroethane</i>	3.4	ND	3.4	ND	3.3	ND	2.8	ND
<i>cis 1,2-Dichloroethene</i>	3.3	ND	3.3	ND	3.2	ND	2.7	370
<i>1,1,1-Trichloroethane</i>	4.6	13	4.6	14	4.5	ND	3.7	230
<i>Trichloroethene</i>	4.5	300	4.5	190	4.4	ND	3.7	640
<i>1,2-Dichloroethane</i>	3.4	ND	3.4	ND	3.3	ND	2.8	ND
<i>Tetrachloroethene</i>	5.7	17	5.7	31	5.6	ND	4.6	16000
<i>trans-1,2-Dichloroethene</i>	3.3	ND	3.3	ND	3.2	ND	2.7	ND

<i>TOTAL CONCENTRATION (ug/m3)</i>		330		235		0		17240
<i>TOTAL CONCENTRATION (lbs/m3)</i>		7E-07		5E-07		0		4E-05
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		2E-08		1E-08		0		1E-06

<i>FLOWRATE (SCFM)</i>
<i>MASS FLOWRATE (lbs/min)</i>
<i>MASS FLOWRATE (lbs/hr)</i>

<i>OPERATING TIME FROM MAY 27, 2010 (HOURS)</i>
<i>CUMULATIVE OPERATING TIME (HOURS)</i>

June 9, 2010

TtEC Sample ID	SVE104I-060910		SVE104D-060910		SVE105I-060910		SVE105D-060910	
Lab Sample ID	1006278-09A		1006278-10A		1006278-11A		1006278-12A	
Case Number	1006278		1006278		1006278		1006278	
Date Sampled	6/9/2010		6/9/2010		6/9/2010		6/9/2010	
Date Received	6/11/2010		6/11/2010		6/11/2010		6/11/2010	
Date Reported	6/28/2010		6/28/2010		6/28/2010		6/28/2010	
VOCs								
Analytical Method	TO-15		TO-15		TO-15		TO-15	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	2.1	ND	20	ND	2.1	ND	2.2	ND
<i>1,1-Dichloroethene</i>	3.3	ND	32	ND	3.3	ND	3.5	ND
<i>1,1-Dichloroethane</i>	3.4	ND	32	140	3.4	13	3.5	270
<i>cis 1,2-Dichloroethene</i>	3.3	ND	32	3500	3.3	20	3.5	85
<i>1,1,1-Trichloroethane</i>	4.6	ND	44	860	4.6	29	4.8	320
<i>Trichloroethene</i>	4.5	60	43	2400	4.5	370	4.7	200
<i>1,2-Dichloroethane</i>	3.4	ND	32	ND	3.4	ND	3.5	ND
<i>Tetrachloroethene</i>	5.7	68	55	21000	5.7	240	5.9	650
<i>trans-1,2-Dichloroethene</i>	3.3	ND	32	30	3.3	1.6	3.5	3.1

<i>TOTAL CONCENTRATION (ug/m3)</i>		128		27930		673.6		1528.1
<i>TOTAL CONCENTRATION (lbs/m3)</i>		2.82192E-07		6E-05		1E-06		3E-06
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		7.99078E-09		2E-06		4E-08		1E-07

<i>FLOWRATE (SCFM)</i>
<i>MASS FLOWRATE (lbs/min)</i>
<i>MASS FLOWRATE (lbs/hr)</i>

<i>OPERATING TIME FROM MAY 27, 2010 (HOURS)</i>
<i>CUMULATIVE OPERATING TIME (HOURS)</i>

June 9, 2010

TtEC Sample ID	SVE106I-060910		SVE106D-060910	
Lab Sample ID	1006278-13A		1006278-14A	
Case Number	1006278		1006278	
Date Sampled	6/9/2010		6/9/2010	
Date Received	6/11/2010		6/11/2010	
Date Reported	6/28/2010		6/28/2010	
VOCs				
Analytical Method	TO-15		TO-15	
Units	ug/m3		ug/m3	
Reporting Limit / Results	Reporting Limit	Results	Reporting Limit	Results
<i>Vinyl Chloride</i>	2.3	ND	2.1	ND
<i>1,1-Dichloroethene</i>	3.6	ND	3.3	ND
<i>1,1-Dichloroethane</i>	3.7	ND	3.4	ND
<i>cis 1,2-Dichloroethene</i>	3.6	ND	3.3	11
<i>1,1,1-Trichloroethane</i>	4.9	ND	4.6	30
<i>Trichloroethene</i>	4.9	ND	4.5	900
<i>1,2-Dichloroethane</i>	3.7	ND	3.4	ND
<i>Tetrachloroethene</i>	6.1	ND	5.7	70
<i>trans-1,2-Dichloroethene</i>	3.6	ND	3.3	ND

<i>TOTAL CONCENTRATION (ug/m3)</i>		0		1011
<i>TOTAL CONCENTRATION (lbs/m3)</i>		0		2E-06
<i>TOTAL CONCENTRATION (lbs/ft3)</i>		0		6E-08

<i>FLOWRATE (SCFM)</i>
<i>MASS FLOWRATE (lbs/min)</i>
<i>MASS FLOWRATE (lbs/hr)</i>

<i>OPERATING TIME FROM MAY 27, 2010 (HOURS)</i>
<i>CUMULATIVE OPERATING TIME (HOURS)</i>

Appendix B
Analytical Data

1/11/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 0912590

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 12/23/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0912590

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Accounts Payable Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	12/23/2009	CONTACT:	Bryanna Langley
DATE COMPLETED:	01/11/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-122109	Modified TO-15	8.5 "Hg	5 psi
01AA	SVETI-122109 Lab Duplicate	Modified TO-15	8.5 "Hg	5 psi
02A	SVETE-122109	Modified TO-15	9.0 "Hg	5 psi
03A	SVE101I-122109	Modified TO-15	7.0 "Hg	5 psi
04A	SVE101D-122109	Modified TO-15	7.5 "Hg	5 psi
05A	SVE103I-122109	Modified TO-15	9.0 "Hg	5 psi
06A	SVE105D-122109	Modified TO-15	9.0 "Hg	5 psi
07A	SVE105I-122109	Modified TO-15	0.4psi	5 psi
08A	SVE104D-122109	Modified TO-15	22.0 "Hg	5 psi
08AA	SVE104D-122109 Lab Duplicate	Modified TO-15	22.0 "Hg	5 psi
09A	SVE104I-122109	Modified TO-15	7.0 "Hg	5 psi
10A	SVE106I-122109	Modified TO-15	7.0 "Hg	5 psi
11A	SVE106D-122109	Modified TO-15	10.0 "Hg	5 psi
12A	SVE102D-122109	Modified TO-15	8.0 "Hg	5 psi
13A	SVE102I-122109	Modified TO-15	8.0 "Hg	5 psi
14A	AMBI-122109	Modified TO-15	8.0 "Hg	5 psi
15A	Lab Blank	Modified TO-15	NA	NA


Continued on next page

WORK ORDER #: 0912590

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Accounts Payable Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	12/23/2009	CONTACT:	Bryanna Langley
DATE COMPLETED:	01/11/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
15B	Lab Blank	Modified TO-15	NA	NA
15C	Lab Blank	Modified TO-15	NA	NA
15D	Lab Blank	Modified TO-15	NA	NA
16A	CCV	Modified TO-15	NA	NA
16B	CCV	Modified TO-15	NA	NA
16C	CCV	Modified TO-15	NA	NA
16D	CCV	Modified TO-15	NA	NA
17A	LCS	Modified TO-15	NA	NA
17B	LCS	Modified TO-15	NA	NA
17C	LCS	Modified TO-15	NA	NA
17D	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 
Laboratory Director

DATE: 01/11/10

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
 This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 0912590**

Fourteen 6 Liter Summa Canister samples were received on December 23, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for samples SVETI-122109 and SVETE-122109 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Sample identification for sample AMBI-122109 was not provided on the sample tag. Therefore the information on the Chain of Custody was used to process and report the sample.

Sample SVE105I-122109 arrived at ambient pressure yet flow controllers were used for sample collection.

Sample SVE104D-122109 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Trichloroethene was detected in the laboratory blank analyzed on instrument designated as MSD-D on 12/30/2009 at greater than 1/2 the reporting limit.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETI-122109

Lab ID#: 0912590-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	23	100	0.095	0.40
cis-1,2-Dichloroethene	23	89	0.093	0.35
1,1,1-Trichloroethane	23	2400	0.13	13
Trichloroethene	23	7900	0.12	42
Tetrachloroethene	23	1200	0.16	7.9

Client Sample ID: SVETI-122109 Lab Duplicate

Lab ID#: 0912590-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	19	100	0.076	0.41
cis-1,2-Dichloroethene	19	92	0.074	0.36
1,1,1-Trichloroethane	19	2300	0.10	13
Trichloroethene	19	7800 E	0.10	42 E
1,2-Dichloroethane	19	5.0 J	0.076	0.020 J
Tetrachloroethene	19	1200	0.13	7.8

Client Sample ID: SVETE-122109

Lab ID#: 0912590-02A

No Detections Were Found.

Client Sample ID: SVE101I-122109

Lab ID#: 0912590-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethene	73	64 J	0.29	0.25 J
1,1-Dichloroethane	73	300	0.30	1.2
cis-1,2-Dichloroethene	73	120	0.29	0.48
1,1,1-Trichloroethane	73	9400	0.40	51
1,2-Dichloroethane	73	31 J	0.30	0.13 J
Trichloroethene	73	33000	0.39	180
Tetrachloroethene	73	260	0.50	1.7

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS**

Client Sample ID: SVE101D-122109

Lab ID#: 0912590-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethene	64	47 J	0.25	0.18 J
1,1-Dichloroethane	64	160	0.26	0.66
cis-1,2-Dichloroethene	64	55 J	0.25	0.22 J
1,1,1-Trichloroethane	64	4700	0.35	26
Trichloroethene	64	19000	0.34	100
Tetrachloroethene	64	470	0.43	3.2

Client Sample ID: SVE103I-122109

Lab ID#: 0912590-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	3.8	6.3	0.015	0.026
cis-1,2-Dichloroethene	3.8	15	0.015	0.058
1,1,1-Trichloroethane	3.8	130	0.021	0.72
Trichloroethene	3.8	170	0.020	0.90
trans-1,2-Dichloroethene	3.8	3.7 J	0.015	0.014 J
Tetrachloroethene	3.8	860	0.026	5.8

Client Sample ID: SVE105D-122109

Lab ID#: 0912590-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethene	0.96	0.98	0.0038	0.0039
1,1-Dichloroethane	0.96	73	0.0039	0.30
cis-1,2-Dichloroethene	0.96	15	0.0038	0.061
1,1,1-Trichloroethane	0.96	100	0.0052	0.55
Trichloroethene	0.96	320	0.0051	1.7
trans-1,2-Dichloroethene	0.96	4.7	0.0038	0.019
Tetrachloroethene	0.96	310	0.0065	2.1

Client Sample ID: SVE105I-122109

Lab ID#: 0912590-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Trichloroethene	0.65	0.47 J	0.0035	0.0025 J

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE105I-122109

Lab ID#: 0912590-07A

Tetrachloroethene	0.65	0.41 J	0.0044	0.0028 J
-------------------	------	--------	--------	----------

Client Sample ID: SVE104D-122109

Lab ID#: 0912590-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	2.5	1.2 J	0.014	0.0068 J

Client Sample ID: SVE104D-122109 Lab Duplicate

Lab ID#: 0912590-08AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	2.5	1.3 J	0.014	0.0070 J

Client Sample ID: SVE104I-122109

Lab ID#: 0912590-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.8	5.8	0.0071	0.024
cis-1,2-Dichloroethene	1.8	28	0.0069	0.11
1,1,1-Trichloroethane	1.8	130	0.0095	0.73
Trichloroethene	1.8	130	0.0094	0.71
trans-1,2-Dichloroethene	1.8	3.8	0.0069	0.015
Tetrachloroethene	1.8	450	0.012	3.1

Client Sample ID: SVE106I-122109

Lab ID#: 0912590-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.2	31	0.0047	0.12
cis-1,2-Dichloroethene	1.2	12	0.0046	0.046
1,1,1-Trichloroethane	1.2	40	0.0064	0.22
Trichloroethene	1.2	350	0.0063	1.9
trans-1,2-Dichloroethene	1.2	2.0	0.0046	0.0079
Tetrachloroethene	1.2	57	0.0079	0.39

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE106D-122109

Lab ID#: 0912590-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.0	62	0.0081	0.25
cis-1,2-Dichloroethene	2.0	20	0.0080	0.079
1,1,1-Trichloroethane	2.0	62	0.011	0.34
Trichloroethene	2.0	640	0.011	3.4
trans-1,2-Dichloroethene	2.0	3.8	0.0080	0.015
Tetrachloroethene	2.0	110	0.014	0.72

Client Sample ID: SVE102D-122109

Lab ID#: 0912590-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	0.92	24	0.0050	0.13
Trichloroethene	0.92	82	0.0049	0.44
Tetrachloroethene	0.92	1.5	0.0062	0.010

Client Sample ID: SVE102I-122109

Lab ID#: 0912590-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Trichloroethene	0.92	1.0	0.0049	0.0056
Tetrachloroethene	0.92	0.36 J	0.0062	0.0024 J

Client Sample ID: AMBI-122109

Lab ID#: 0912590-14A

No Detections Were Found.

Client Sample ID: SVETI-122109

Lab ID#: 0912590-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123009	Date of Collection: 12/21/09 1:36:00 PM
Dil. Factor:	46.8	Date of Analysis: 12/30/09 01:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	23	Not Detected	0.060	Not Detected
1,1-Dichloroethene	23	Not Detected	0.093	Not Detected
1,1-Dichloroethane	23	100	0.095	0.40
cis-1,2-Dichloroethene	23	89	0.093	0.35
1,1,1-Trichloroethane	23	2400	0.13	13
Trichloroethene	23	7900	0.12	42
trans-1,2-Dichloroethene	23	Not Detected	0.093	Not Detected
1,2-Dichloroethane	23	Not Detected	0.095	Not Detected
Tetrachloroethene	23	1200	0.16	7.9

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVETI-122109 Lab Duplicate

Lab ID#: 0912590-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123008	Date of Collection: 12/21/09 1:36:00 PM
Dil. Factor:	37.4	Date of Analysis: 12/30/09 12:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	19	Not Detected	0.048	Not Detected
1,1-Dichloroethene	19	Not Detected	0.074	Not Detected
1,1-Dichloroethane	19	100	0.076	0.41
cis-1,2-Dichloroethene	19	92	0.074	0.36
1,1,1-Trichloroethane	19	2300	0.10	13
Trichloroethene	19	7800 E	0.10	42 E
trans-1,2-Dichloroethene	19	Not Detected	0.074	Not Detected
1,2-Dichloroethane	19	5.0 J	0.076	0.020 J
Tetrachloroethene	19	1200	0.13	7.8

E = Exceeds instrument calibration range.

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVETE-122109

Lab ID#: 0912590-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123019	Date of Collection: 12/21/09 1:38:00 PM
Dil. Factor:	1.91	Date of Analysis: 12/30/09 03:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.96	Not Detected	0.0024	Not Detected
1,1-Dichloroethene	0.96	Not Detected	0.0038	Not Detected
1,1-Dichloroethane	0.96	Not Detected	0.0039	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	0.0038	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	0.0052	Not Detected
Trichloroethene	0.96	Not Detected	0.0051	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	0.0038	Not Detected
1,2-Dichloroethane	0.96	Not Detected	0.0039	Not Detected
Tetrachloroethene	0.96	Not Detected	0.0065	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SVE101I-122109

Lab ID#: 0912590-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123109	Date of Collection: 12/21/09 3:32:00 PM
Dil. Factor:	14.6	Date of Analysis: 12/31/09 03:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	73	Not Detected	0.19	Not Detected
1,1-Dichloroethene	73	64 J	0.29	0.25 J
trans-1,2-Dichloroethene	73	Not Detected	0.29	Not Detected
1,1-Dichloroethane	73	300	0.30	1.2
cis-1,2-Dichloroethene	73	120	0.29	0.48
1,1,1-Trichloroethane	73	9400	0.40	51
1,2-Dichloroethane	73	31 J	0.30	0.13 J
Trichloroethene	73	33000	0.39	180
Tetrachloroethene	73	260	0.50	1.7

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVE101D-122109

Lab ID#: 0912590-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123111	Date of Collection: 12/21/09 3:35:00 PM
Dil. Factor:	12.8	Date of Analysis: 12/31/09 04:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	64	Not Detected	0.16	Not Detected
1,1-Dichloroethene	64	47 J	0.25	0.18 J
trans-1,2-Dichloroethene	64	Not Detected	0.25	Not Detected
1,1-Dichloroethane	64	160	0.26	0.66
cis-1,2-Dichloroethene	64	55 J	0.25	0.22 J
1,1,1-Trichloroethane	64	4700	0.35	26
1,2-Dichloroethane	64	Not Detected	0.26	Not Detected
Trichloroethene	64	19000	0.34	100
Tetrachloroethene	64	470	0.43	3.2

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE103I-122109

Lab ID#: 0912590-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123114	Date of Collection: 12/21/09 3:37:00 PM
Dil. Factor:	7.64	Date of Analysis: 12/31/09 11:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	3.8	Not Detected	0.0098	Not Detected
1,1-Dichloroethene	3.8	Not Detected	0.015	Not Detected
1,1-Dichloroethane	3.8	6.3	0.015	0.026
cis-1,2-Dichloroethene	3.8	15	0.015	0.058
1,1,1-Trichloroethane	3.8	130	0.021	0.72
Trichloroethene	3.8	170	0.020	0.90
trans-1,2-Dichloroethene	3.8	3.7 J	0.015	0.014 J
1,2-Dichloroethane	3.8	Not Detected	0.015	Not Detected
Tetrachloroethene	3.8	860	0.026	5.8

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVE105D-122109

Lab ID#: 0912590-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123020	Date of Collection: 12/21/09 4:24:00 PM
Dil. Factor:	1.91	Date of Analysis: 12/30/09 04:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.96	Not Detected	0.0024	Not Detected
1,1-Dichloroethene	0.96	0.98	0.0038	0.0039
1,1-Dichloroethane	0.96	73	0.0039	0.30
cis-1,2-Dichloroethene	0.96	15	0.0038	0.061
1,1,1-Trichloroethane	0.96	100	0.0052	0.55
Trichloroethene	0.96	320	0.0051	1.7
trans-1,2-Dichloroethene	0.96	4.7	0.0038	0.019
1,2-Dichloroethane	0.96	Not Detected	0.0039	Not Detected
Tetrachloroethene	0.96	310	0.0065	2.1

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SVE105I-122109

Lab ID#: 0912590-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123021	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	1.30	Date of Analysis: 12/30/09 04:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.65	Not Detected	0.0017	Not Detected
1,1-Dichloroethene	0.65	Not Detected	0.0026	Not Detected
1,1-Dichloroethane	0.65	Not Detected	0.0026	Not Detected
cis-1,2-Dichloroethene	0.65	Not Detected	0.0026	Not Detected
1,1,1-Trichloroethane	0.65	Not Detected	0.0035	Not Detected
Trichloroethene	0.65	0.47 J	0.0035	0.0025 J
trans-1,2-Dichloroethene	0.65	Not Detected	0.0026	Not Detected
1,2-Dichloroethane	0.65	Not Detected	0.0026	Not Detected
Tetrachloroethene	0.65	0.41 J	0.0044	0.0028 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	102	70-130



Client Sample ID: SVE104D-122109

Lab ID#: 0912590-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123017	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	5.03	Date of Analysis: 12/30/09 02:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.5	Not Detected	0.0064	Not Detected
1,1-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1-Dichloroethane	2.5	Not Detected	0.010	Not Detected
cis-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1,1-Trichloroethane	2.5	1.2 J	0.014	0.0068 J
Trichloroethene	2.5	Not Detected	0.014	Not Detected
trans-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,2-Dichloroethane	2.5	Not Detected	0.010	Not Detected
Tetrachloroethene	2.5	Not Detected	0.017	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	101	70-130



Client Sample ID: SVE104D-122109 Lab Duplicate

Lab ID#: 0912590-08AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123018	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	5.03	Date of Analysis: 12/30/09 03:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.5	Not Detected	0.0064	Not Detected
1,1-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1-Dichloroethane	2.5	Not Detected	0.010	Not Detected
cis-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1,1-Trichloroethane	2.5	1.3 J	0.014	0.0070 J
Trichloroethene	2.5	Not Detected	0.014	Not Detected
trans-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,2-Dichloroethane	2.5	Not Detected	0.010	Not Detected
Tetrachloroethene	2.5	Not Detected	0.017	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE104I-122109

Lab ID#: 0912590-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123024	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	3.50	Date of Analysis: 12/30/09 05:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.8	Not Detected	0.0045	Not Detected
1,1-Dichloroethene	1.8	Not Detected	0.0069	Not Detected
1,1-Dichloroethane	1.8	5.8	0.0071	0.024
cis-1,2-Dichloroethene	1.8	28	0.0069	0.11
1,1,1-Trichloroethane	1.8	130	0.0095	0.73
Trichloroethene	1.8	130	0.0094	0.71
trans-1,2-Dichloroethene	1.8	3.8	0.0069	0.015
1,2-Dichloroethane	1.8	Not Detected	0.0071	Not Detected
Tetrachloroethene	1.8	450	0.012	3.1

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVE106I-122109

Lab ID#: 0912590-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123029	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	2.33	Date of Analysis: 12/30/09 07:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.2	Not Detected	0.0030	Not Detected
1,1-Dichloroethene	1.2	Not Detected	0.0046	Not Detected
1,1-Dichloroethane	1.2	31	0.0047	0.12
cis-1,2-Dichloroethene	1.2	12	0.0046	0.046
1,1,1-Trichloroethane	1.2	40	0.0064	0.22
Trichloroethene	1.2	350	0.0063	1.9
trans-1,2-Dichloroethene	1.2	2.0	0.0046	0.0079
1,2-Dichloroethane	1.2	Not Detected	0.0047	Not Detected
Tetrachloroethene	1.2	57	0.0079	0.39

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE106D-122109

Lab ID#: 0912590-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123034	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	4.02	Date of Analysis: 12/30/09 10:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.0	Not Detected	0.0051	Not Detected
1,1-Dichloroethene	2.0	Not Detected	0.0080	Not Detected
1,1-Dichloroethane	2.0	62	0.0081	0.25
cis-1,2-Dichloroethene	2.0	20	0.0080	0.079
1,1,1-Trichloroethane	2.0	62	0.011	0.34
Trichloroethene	2.0	640	0.011	3.4
trans-1,2-Dichloroethene	2.0	3.8	0.0080	0.015
1,2-Dichloroethane	2.0	Not Detected	0.0081	Not Detected
Tetrachloroethene	2.0	110	0.014	0.72

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	119	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVE102D-122109

Lab ID#: 0912590-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123035	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/30/09 10:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.92	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.92	24	0.0050	0.13
Trichloroethene	0.92	82	0.0049	0.44
trans-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.92	1.5	0.0062	0.010

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE102I-122109

Lab ID#: 0912590-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123025	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/30/09 05:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.92	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	0.0050	Not Detected
Trichloroethene	0.92	1.0	0.0049	0.0056
trans-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.92	0.36 J	0.0062	0.0024 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: AMBI-122109

Lab ID#: 0912590-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123026	Date of Collection: 12/21/09 5:12:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/30/09 06:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.92	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	0.0050	Not Detected
Trichloroethene	0.92	Not Detected	0.0049	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.92	Not Detected	0.0062	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123005a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 09:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123007a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 09:53 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	0.28 J	0.0027	0.0015 J
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123108a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 09:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15D

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123104a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 09:15 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	5.0	Not Detected	0.013	Not Detected
1,1-Dichloroethene	5.0	Not Detected	0.020	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	0.020	Not Detected
1,1-Dichloroethane	5.0	Not Detected	0.020	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	0.020	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	0.027	Not Detected
1,2-Dichloroethane	5.0	Not Detected	0.020	Not Detected
Trichloroethene	5.0	Not Detected	0.027	Not Detected
Tetrachloroethene	5.0	Not Detected	0.034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 07:16 AM

Compound	%Recovery
Vinyl Chloride	90
1,1-Dichloroethene	87
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	92
Trichloroethene	90
trans-1,2-Dichloroethene	86
1,2-Dichloroethane	96
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 08:13 AM

Compound	%Recovery
Vinyl Chloride	108
1,1-Dichloroethene	80
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	78
1,1,1-Trichloroethane	77
Trichloroethene	80
trans-1,2-Dichloroethene	83
1,2-Dichloroethane	90
Tetrachloroethene	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 07:50 AM

Compound	%Recovery
Vinyl Chloride	126
1,1-Dichloroethene	90
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	89
Trichloroethene	91
trans-1,2-Dichloroethene	94
1,2-Dichloroethane	106
Tetrachloroethene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16D

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123102	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 08:26 AM

Compound	%Recovery
Vinyl Chloride	92
1,1-Dichloroethene	89
trans-1,2-Dichloroethene	90
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	86
1,2-Dichloroethane	87
Trichloroethene	89
Tetrachloroethene	86

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 07:46 AM

Compound	%Recovery
Vinyl Chloride	88
1,1-Dichloroethene	75
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	84
1,1,1-Trichloroethane	85
Trichloroethene	86
trans-1,2-Dichloroethene	80
1,2-Dichloroethane	90
Tetrachloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 08:55 AM

Compound	%Recovery
Vinyl Chloride	119
1,1-Dichloroethene	82
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	91
Trichloroethene	92
trans-1,2-Dichloroethene	94
1,2-Dichloroethane	100
Tetrachloroethene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123106	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 08:33 AM

Compound	%Recovery
Vinyl Chloride	130
1,1-Dichloroethene	82
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	90
Trichloroethene	91
trans-1,2-Dichloroethene	93
1,2-Dichloroethane	104
Tetrachloroethene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17D

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 08:48 AM

Compound	%Recovery
Vinyl Chloride	97
1,1-Dichloroethene	84
trans-1,2-Dichloroethene	96
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	90
1,2-Dichloroethane	88
Trichloroethene	91
Tetrachloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	107	70-130

3/5/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1002449

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 2/22/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,




Bryanna Langley
Project Manager

WORK ORDER #: 1002449

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	02/22/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	03/05/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-021810-1	Modified TO-15	7.8 "Hg	5 psi
02A	SVETE-021810	Modified TO-15	6.6 "Hg	5 psi
03A	SVETI-021810-2	Modified TO-15	6.6 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 
Laboratory Director

DATE: 03/05/10

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1002449

Three 6 Liter Summa Canister samples were received on February 22, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETI-021810-1

Lab ID#: 1002449-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.1	18	0.0086	0.074
cis-1,2-Dichloroethene	2.1	290	0.0084	1.1
1,1,1-Trichloroethane	2.1	200	0.012	1.1
Trichloroethene	2.1	640	0.011	3.5
trans-1,2-Dichloroethene	2.1	4.0	0.0084	0.016
Tetrachloroethene	2.1	850	0.014	5.7

Client Sample ID: SVETE-021810

Lab ID#: 1002449-02A

No Detections Were Found.

Client Sample ID: SVETI-021810-2

Lab ID#: 1002449-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.3	19	0.0093	0.077
cis-1,2-Dichloroethene	2.3	300	0.0091	1.2
1,1,1-Trichloroethane	2.3	210	0.012	1.1
Trichloroethene	2.3	670	0.012	3.6
trans-1,2-Dichloroethene	2.3	4.0	0.0091	0.016
Tetrachloroethene	2.3	910	0.016	6.2

Client Sample ID: SVETI-021810-1

Lab ID#: 1002449-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022606	Date of Collection: 2/18/10 9:45:00 AM
Dil. Factor:	4.25	Date of Analysis: 2/26/10 11:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.1	Not Detected	0.0054	Not Detected
1,1-Dichloroethene	2.1	Not Detected	0.0084	Not Detected
1,1-Dichloroethane	2.1	18	0.0086	0.074
cis-1,2-Dichloroethene	2.1	290	0.0084	1.1
1,1,1-Trichloroethane	2.1	200	0.012	1.1
Trichloroethene	2.1	640	0.011	3.5
trans-1,2-Dichloroethene	2.1	4.0	0.0084	0.016
1,2-Dichloroethane	2.1	Not Detected	0.0086	Not Detected
Tetrachloroethene	2.1	850	0.014	5.7

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SVETE-021810

Lab ID#: 1002449-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022607	Date of Collection: 2/18/10 9:45:00 AM
Dil. Factor:	1.72	Date of Analysis: 2/26/10 11:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.86	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,1-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	0.0047	Not Detected
Trichloroethene	0.86	Not Detected	0.0046	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,2-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.86	Not Detected	0.0058	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: SVETI-021810-2

Lab ID#: 1002449-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022608	Date of Collection: 2/18/10 10:10:00 AM
Dil. Factor:	4.59	Date of Analysis: 2/26/10 12:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.3	Not Detected	0.0059	Not Detected
1,1-Dichloroethene	2.3	Not Detected	0.0091	Not Detected
1,1-Dichloroethane	2.3	19	0.0093	0.077
cis-1,2-Dichloroethene	2.3	300	0.0091	1.2
1,1,1-Trichloroethane	2.3	210	0.012	1.1
Trichloroethene	2.3	670	0.012	3.6
trans-1,2-Dichloroethene	2.3	4.0	0.0091	0.016
1,2-Dichloroethane	2.3	Not Detected	0.0093	Not Detected
Tetrachloroethene	2.3	910	0.016	6.2

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: Lab Blank

Lab ID#: 1002449-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022605	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/10 10:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: CCV

Lab ID#: 1002449-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/10 08:45 AM

Compound	%Recovery
Vinyl Chloride	109
1,1-Dichloroethene	94
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	91
1,1,1-Trichloroethane	99
Trichloroethene	98
trans-1,2-Dichloroethene	97
1,2-Dichloroethane	105
Tetrachloroethene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: LCS

Lab ID#: 1002449-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022603	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/10 09:25 AM

Compound	%Recovery
Vinyl Chloride	106
1,1-Dichloroethene	81
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	94
Trichloroethene	92
trans-1,2-Dichloroethene	92
1,2-Dichloroethane	96
Tetrachloroethene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130

4/16/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1 SVE
Project #: 106-3570 W04
Workorder #: 1004097


Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 4/5/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 1004097

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1 SVE
DATE RECEIVED:	04/05/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	04/16/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-033110-1	Modified TO-15	19.4 "Hg	5 psi
01AA	SVETI-033110-1 Lab Duplicate	Modified TO-15	19.4 "Hg	5 psi
02A	SVETI-033110-2	Modified TO-15	9.2 "Hg	5 psi
03A	SVETE-033110	Modified TO-15	5.4 "Hg	5 psi
04A	SVEAMB-033110	Modified TO-15	5.4 "Hg	5 psi
05A	SVE101I-033110	Modified TO-15	5.6 "Hg	5 psi
06A	SVE101D-033110	Modified TO-15	9.2 "Hg	5 psi
07A	SVE102I-033110	Modified TO-15	6.2 "Hg	5 psi
08A	SVE102D-033110	Modified TO-15	7.0 "Hg	5 psi
09A	SVE 103I-033110	Modified TO-15	5.6 "Hg	5 psi
10A	SVE103D-033110	Modified TO-15	6.4 "Hg	5 psi
11A	SVE104I-033110	Modified TO-15	4.9 "Hg	5 psi
12A	SVE104D-033110	Modified TO-15	6.0 "Hg	5 psi
13A	SVE105I-033110	Modified TO-15	6.0 "Hg	5 psi
14A	SVE105D-033110	Modified TO-15	5.6 "Hg	5 psi
15A	SVE106I-033110	Modified TO-15	7.6 "Hg	5 psi
16A	SVE106D-033110	Modified TO-15	6.8 "Hg	5 psi

Continued on next page

WORK ORDER #: 1004097

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1 SVE
DATE RECEIVED:	04/05/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	04/16/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
17A	Lab Blank	Modified TO-15	NA	NA
18A	CCV	Modified TO-15	NA	NA
19A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 04/16/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1004097**

Sixteen 6 Liter Summa Canister samples were received on April 05, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) was not relinquished properly. A signature and date were not provided.

Sample SVETI-033110-1 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

There was a significant difference (greater than 5.0" Hg) between the measured canister receipt vacuum and that which was reported on the Chain of Custody (COC) for sample SVE104D-033110. A leak test indicated that the valve was functioning properly.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction no

performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETI-033110-1

Lab ID#: 1004097-01A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.9	0.0048	0.45 J	0.0012 J
1,1-Dichloroethane	1.9	0.0077	6.5	0.026
cis-1,2-Dichloroethene	1.9	0.0075	70	0.28
1,1,1-Trichloroethane	1.9	0.010	83	0.45
Trichloroethene	1.9	0.010	380	2.0
trans-1,2-Dichloroethene	1.9	0.0075	1.1 J	0.0042 J
1,2-Dichloroethane	1.9	0.0077	0.70 J	0.0028 J
Tetrachloroethene	1.9	0.013	340	2.3

Client Sample ID: SVETI-033110-1 Lab Duplicate

Lab ID#: 1004097-01AA

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	5.0	0.020	6.9	0.028
cis-1,2-Dichloroethene	5.0	0.020	69	0.27
1,1,1-Trichloroethane	5.0	0.028	77	0.42
Trichloroethene	5.0	0.027	370	2.0
Tetrachloroethene	5.0	0.034	350	2.4

Client Sample ID: SVETI-033110-2

Lab ID#: 1004097-02A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.3	0.0033	0.47 J	0.0012 J
1,1-Dichloroethene	1.3	0.0051	0.44 J	0.0017 J
1,1-Dichloroethane	1.3	0.0052	6.7	0.027
cis-1,2-Dichloroethene	1.3	0.0051	74	0.29
1,1,1-Trichloroethane	1.3	0.0070	81	0.44
Trichloroethene	1.3	0.0069	400	2.2
trans-1,2-Dichloroethene	1.3	0.0051	1.1 J	0.0044 J
1,2-Dichloroethane	1.3	0.0052	0.71 J	0.0029 J
Tetrachloroethene	1.3	0.0087	380	2.6

Client Sample ID: SVETE-033110

Lab ID#: 1004097-03A



**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETE-033110

Lab ID#: 1004097-03A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	0.82	0.0021
Trichloroethene	0.82	0.0044	0.21 J	0.0011 J
Tetrachloroethene	0.82	0.0055	0.20 J	0.0014 J

Client Sample ID: SVEAMB-033110

Lab ID#: 1004097-04A

No Detections Were Found.

Client Sample ID: SVE101I-033110

Lab ID#: 1004097-05A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	11	0.044	16	0.065
cis-1,2-Dichloroethene	11	0.044	15	0.059
1,1,1-Trichloroethane	11	0.060	720	3.9
Trichloroethene	11	0.059	3400	18
1,2-Dichloroethane	11	0.044	7.3 J	0.030 J
Tetrachloroethene	11	0.075	60	0.41

Client Sample ID: SVE101D-033110

Lab ID#: 1004097-06A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethene	0.96	0.0038	0.50 J	0.0020 J
1,1-Dichloroethane	0.96	0.0039	0.96	0.0039
cis-1,2-Dichloroethene	0.96	0.0038	2.1	0.0085
1,1,1-Trichloroethane	0.96	0.0053	24	0.13
Trichloroethene	0.96	0.0052	300	1.6
1,2-Dichloroethane	0.96	0.0039	0.13 J	0.00054 J
Tetrachloroethene	0.96	0.0065	180	1.2

Client Sample ID: SVE102I-033110

Lab ID#: 1004097-07A

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE102I-033110

Lab ID#: 1004097-07A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Trichloroethene	0.84	0.0045	0.71 J	0.0038 J
Tetrachloroethene	0.84	0.0057	0.20 J	0.0014 J

Client Sample ID: SVE102D-033110

Lab ID#: 1004097-08A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	0.88	0.0035	0.66 J	0.0027 J
cis-1,2-Dichloroethene	0.88	0.0035	0.35 J	0.0014 J
1,1,1-Trichloroethane	0.88	0.0048	9.7	0.053
Trichloroethene	0.88	0.0047	72	0.39
Tetrachloroethene	0.88	0.0059	4.5	0.031

Client Sample ID: SVE 103I-033110

Lab ID#: 1004097-09A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Trichloroethene	0.82	0.0044	0.16 J	0.00085 J

Client Sample ID: SVE103D-033110

Lab ID#: 1004097-10A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	11	0.029	2.3 J	0.0059 J
1,1-Dichloroethane	11	0.046	17	0.069
cis-1,2-Dichloroethene	11	0.045	390	1.5
1,1,1-Trichloroethane	11	0.062	210	1.1
Trichloroethene	11	0.061	300	1.6
trans-1,2-Dichloroethene	11	0.045	6.0 J	0.024 J
Tetrachloroethene	11	0.077	4100	28

Client Sample ID: SVE104I-033110

Lab ID#: 1004097-11A

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE104I-033110

Lab ID#: 1004097-11A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.80	0.0020	0.18 J	0.00047 J
1,1-Dichloroethane	0.80	0.0032	0.13 J	0.00054 J
cis-1,2-Dichloroethene	0.80	0.0032	3.5	0.014
1,1,1-Trichloroethane	0.80	0.0044	0.76 J	0.0042 J
Trichloroethene	0.80	0.0043	8.2	0.044
Tetrachloroethene	0.80	0.0054	32	0.21

Client Sample ID: SVE104D-033110

Lab ID#: 1004097-12A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	17	0.043	4.8 J	0.012 J
1,1-Dichloroethane	17	0.068	86	0.35
cis-1,2-Dichloroethene	17	0.067	1600	6.6
1,1,1-Trichloroethane	17	0.092	550	3.0
Trichloroethene	17	0.090	1100	6.0
trans-1,2-Dichloroethene	17	0.067	18	0.070
Tetrachloroethene	17	0.11	5800	39

Client Sample ID: SVE105I-033110

Lab ID#: 1004097-13A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	0.84	0.0034	1.4	0.0057
cis-1,2-Dichloroethene	0.84	0.0033	1.6	0.0066
1,1,1-Trichloroethane	0.84	0.0046	2.0	0.011
Trichloroethene	0.84	0.0045	12	0.063
Tetrachloroethene	0.84	0.0057	13	0.091

Client Sample ID: SVE105D-033110

Lab ID#: 1004097-14A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	0.82	0.0033	7.0	0.028
cis-1,2-Dichloroethene	0.82	0.0033	9.2	0.036

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE105D-033110

Lab ID#: 1004097-14A

1,1,1-Trichloroethane	0.82	0.0045	8.7	0.047
Trichloroethene	0.82	0.0044	13	0.068
trans-1,2-Dichloroethene	0.82	0.0033	0.29 J	0.0011 J
Tetrachloroethene	0.82	0.0056	55	0.38

Client Sample ID: SVE106I-033110

Lab ID#: 1004097-15A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1,1-Trichloroethane	6.0	0.032	1.6 J	0.0086 J
Trichloroethene	6.0	0.032	7.6	0.041
Tetrachloroethene	6.0	0.040	5.1 J	0.035 J

Client Sample ID: SVE106D-033110

Lab ID#: 1004097-16A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.86	0.0022	0.61 J	0.0016 J
1,1-Dichloroethane	0.86	0.0035	1.6	0.0063
cis-1,2-Dichloroethene	0.86	0.0034	3.4	0.013
1,1,1-Trichloroethane	0.86	0.0047	5.8	0.032
Trichloroethene	0.86	0.0046	110	0.60
Tetrachloroethene	0.86	0.0059	9.6	0.065

Client Sample ID: SVETI-033110-1

Lab ID#: 1004097-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041214	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	3.79	Date of Analysis: 4/12/10 03:47 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.9	0.0048	0.45 J	0.0012 J
1,1-Dichloroethene	1.9	0.0075	Not Detected	Not Detected
1,1-Dichloroethane	1.9	0.0077	6.5	0.026
cis-1,2-Dichloroethene	1.9	0.0075	70	0.28
1,1,1-Trichloroethane	1.9	0.010	83	0.45
Trichloroethene	1.9	0.010	380	2.0
trans-1,2-Dichloroethene	1.9	0.0075	1.1 J	0.0042 J
1,2-Dichloroethane	1.9	0.0077	0.70 J	0.0028 J
Tetrachloroethene	1.9	0.013	340	2.3

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVETI-033110-1 Lab Duplicate

Lab ID#: 1004097-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041213	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	10.1	Date of Analysis: 4/12/10 03:18 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	5.0	0.013	Not Detected	Not Detected
1,1-Dichloroethene	5.0	0.020	Not Detected	Not Detected
1,1-Dichloroethane	5.0	0.020	6.9	0.028
cis-1,2-Dichloroethene	5.0	0.020	69	0.27
1,1,1-Trichloroethane	5.0	0.028	77	0.42
Trichloroethene	5.0	0.027	370	2.0
trans-1,2-Dichloroethene	5.0	0.020	Not Detected	Not Detected
1,2-Dichloroethane	5.0	0.020	Not Detected	Not Detected
Tetrachloroethene	5.0	0.034	350	2.4

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SVETI-033110-2

Lab ID#: 1004097-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041217	Date of Collection: 3/31/10 12:50:00 PM
Dil. Factor:	2.57	Date of Analysis: 4/12/10 05:09 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.3	0.0033	0.47 J	0.0012 J
1,1-Dichloroethene	1.3	0.0051	0.44 J	0.0017 J
1,1-Dichloroethane	1.3	0.0052	6.7	0.027
cis-1,2-Dichloroethene	1.3	0.0051	74	0.29
1,1,1-Trichloroethane	1.3	0.0070	81	0.44
Trichloroethene	1.3	0.0069	400	2.2
trans-1,2-Dichloroethene	1.3	0.0051	1.1 J	0.0044 J
1,2-Dichloroethane	1.3	0.0052	0.71 J	0.0029 J
Tetrachloroethene	1.3	0.0087	380	2.6

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVETE-033110

Lab ID#: 1004097-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041216	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	1.63	Date of Analysis: 4/12/10 04:44 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	0.82	0.0021
1,1-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1,1-Trichloroethane	0.82	0.0044	Not Detected	Not Detected
Trichloroethene	0.82	0.0044	0.21 J	0.0011 J
trans-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0055	0.20 J	0.0014 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVEAMB-033110

Lab ID#: 1004097-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041212	Date of Collection:	3/31/10 12:15:00 PM
Dil. Factor:	1.63	Date of Analysis:	4/12/10 02:48 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1,1-Trichloroethane	0.82	0.0044	Not Detected	Not Detected
Trichloroethene	0.82	0.0044	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0055	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: SVE101I-033110

Lab ID#: 1004097-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041218	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	22.0	Date of Analysis: 4/12/10 05:26 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	11	0.028	Not Detected	Not Detected
1,1-Dichloroethene	11	0.044	Not Detected	Not Detected
1,1-Dichloroethane	11	0.044	16	0.065
cis-1,2-Dichloroethene	11	0.044	15	0.059
1,1,1-Trichloroethane	11	0.060	720	3.9
Trichloroethene	11	0.059	3400	18
trans-1,2-Dichloroethene	11	0.044	Not Detected	Not Detected
1,2-Dichloroethane	11	0.044	7.3 J	0.030 J
Tetrachloroethene	11	0.075	60	0.41

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE101D-033110

Lab ID#: 1004097-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041223	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	1.93	Date of Analysis: 4/12/10 07:52 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.96	0.0025	Not Detected	Not Detected
1,1-Dichloroethene	0.96	0.0038	0.50 J	0.0020 J
1,1-Dichloroethane	0.96	0.0039	0.96	0.0039
cis-1,2-Dichloroethene	0.96	0.0038	2.1	0.0085
1,1,1-Trichloroethane	0.96	0.0053	24	0.13
Trichloroethene	0.96	0.0052	300	1.6
trans-1,2-Dichloroethene	0.96	0.0038	Not Detected	Not Detected
1,2-Dichloroethane	0.96	0.0039	0.13 J	0.00054 J
Tetrachloroethene	0.96	0.0065	180	1.2

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE102I-033110

Lab ID#: 1004097-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041222	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	1.69	Date of Analysis: 4/12/10 07:19 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.84	0.0022	Not Detected	Not Detected
1,1-Dichloroethene	0.84	0.0034	Not Detected	Not Detected
1,1-Dichloroethane	0.84	0.0034	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.84	0.0034	Not Detected	Not Detected
1,1,1-Trichloroethane	0.84	0.0046	Not Detected	Not Detected
Trichloroethene	0.84	0.0045	0.71 J	0.0038 J
trans-1,2-Dichloroethene	0.84	0.0034	Not Detected	Not Detected
1,2-Dichloroethane	0.84	0.0034	Not Detected	Not Detected
Tetrachloroethene	0.84	0.0057	0.20 J	0.0014 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE102D-033110

Lab ID#: 1004097-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041224	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	1.75	Date of Analysis: 4/12/10 08:55 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.88	0.0022	Not Detected	Not Detected
1,1-Dichloroethene	0.88	0.0035	Not Detected	Not Detected
1,1-Dichloroethane	0.88	0.0035	0.66 J	0.0027 J
cis-1,2-Dichloroethene	0.88	0.0035	0.35 J	0.0014 J
1,1,1-Trichloroethane	0.88	0.0048	9.7	0.053
Trichloroethene	0.88	0.0047	72	0.39
trans-1,2-Dichloroethene	0.88	0.0035	Not Detected	Not Detected
1,2-Dichloroethane	0.88	0.0035	Not Detected	Not Detected
Tetrachloroethene	0.88	0.0059	4.5	0.031

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE 103I-033110

Lab ID#: 1004097-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041225	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	1.65	Date of Analysis: 4/12/10 09:15 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,1,1-Trichloroethane	0.82	0.0045	Not Detected	Not Detected
Trichloroethene	0.82	0.0044	0.16 J	0.00085 J
trans-1,2-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0056	Not Detected	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: SVE103D-033110

Lab ID#: 1004097-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041226	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	22.7	Date of Analysis: 4/12/10 09:34 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	11	0.029	2.3 J	0.0059 J
1,1-Dichloroethene	11	0.045	Not Detected	Not Detected
1,1-Dichloroethane	11	0.046	17	0.069
cis-1,2-Dichloroethene	11	0.045	390	1.5
1,1,1-Trichloroethane	11	0.062	210	1.1
Trichloroethene	11	0.061	300	1.6
trans-1,2-Dichloroethene	11	0.045	6.0 J	0.024 J
1,2-Dichloroethane	11	0.046	Not Detected	Not Detected
Tetrachloroethene	11	0.077	4100	28

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SVE104I-033110

Lab ID#: 1004097-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041229	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	1.60	Date of Analysis: 4/12/10 11:07 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.80	0.0020	0.18 J	0.00047 J
1,1-Dichloroethene	0.80	0.0032	Not Detected	Not Detected
1,1-Dichloroethane	0.80	0.0032	0.13 J	0.00054 J
cis-1,2-Dichloroethene	0.80	0.0032	3.5	0.014
1,1,1-Trichloroethane	0.80	0.0044	0.76 J	0.0042 J
Trichloroethene	0.80	0.0043	8.2	0.044
trans-1,2-Dichloroethene	0.80	0.0032	Not Detected	Not Detected
1,2-Dichloroethane	0.80	0.0032	Not Detected	Not Detected
Tetrachloroethene	0.80	0.0054	32	0.21

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE104D-033110

Lab ID#: 1004097-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041237	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	33.6	Date of Analysis: 4/13/10 03:57 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	17	0.043	4.8 J	0.012 J
1,1-Dichloroethene	17	0.067	Not Detected	Not Detected
1,1-Dichloroethane	17	0.068	86	0.35
cis-1,2-Dichloroethene	17	0.067	1600	6.6
1,1,1-Trichloroethane	17	0.092	550	3.0
Trichloroethene	17	0.090	1100	6.0
trans-1,2-Dichloroethene	17	0.067	18	0.070
1,2-Dichloroethane	17	0.068	Not Detected	Not Detected
Tetrachloroethene	17	0.11	5800	39

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: SVE105I-033110

Lab ID#: 1004097-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041230	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	1.68	Date of Analysis: 4/12/10 11:32 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.84	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.84	0.0033	Not Detected	Not Detected
1,1-Dichloroethane	0.84	0.0034	1.4	0.0057
cis-1,2-Dichloroethene	0.84	0.0033	1.6	0.0066
1,1,1-Trichloroethane	0.84	0.0046	2.0	0.011
Trichloroethene	0.84	0.0045	12	0.063
trans-1,2-Dichloroethene	0.84	0.0033	Not Detected	Not Detected
1,2-Dichloroethane	0.84	0.0034	Not Detected	Not Detected
Tetrachloroethene	0.84	0.0057	13	0.091

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE105D-033110

Lab ID#: 1004097-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041231	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	1.65	Date of Analysis: 4/12/10 11:58 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	7.0	0.028
cis-1,2-Dichloroethene	0.82	0.0033	9.2	0.036
1,1,1-Trichloroethane	0.82	0.0045	8.7	0.047
Trichloroethene	0.82	0.0044	13	0.068
trans-1,2-Dichloroethene	0.82	0.0033	0.29 J	0.0011 J
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0056	55	0.38

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE106I-033110

Lab ID#: 1004097-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041235	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	11.9	Date of Analysis: 4/13/10 02:53 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	6.0	0.015	Not Detected	Not Detected
1,1-Dichloroethene	6.0	0.024	Not Detected	Not Detected
1,1-Dichloroethane	6.0	0.024	Not Detected	Not Detected
cis-1,2-Dichloroethene	6.0	0.024	Not Detected	Not Detected
1,1,1-Trichloroethane	6.0	0.032	1.6 J	0.0086 J
Trichloroethene	6.0	0.032	7.6	0.041
trans-1,2-Dichloroethene	6.0	0.024	Not Detected	Not Detected
1,2-Dichloroethane	6.0	0.024	Not Detected	Not Detected
Tetrachloroethene	6.0	0.040	5.1 J	0.035 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE106D-033110

Lab ID#: 1004097-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041232	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	1.73	Date of Analysis: 4/13/10 01:34 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.86	0.0022	0.61 J	0.0016 J
1,1-Dichloroethene	0.86	0.0034	Not Detected	Not Detected
1,1-Dichloroethane	0.86	0.0035	1.6	0.0063
cis-1,2-Dichloroethene	0.86	0.0034	3.4	0.013
1,1,1-Trichloroethane	0.86	0.0047	5.8	0.032
Trichloroethene	0.86	0.0046	110	0.60
trans-1,2-Dichloroethene	0.86	0.0034	Not Detected	Not Detected
1,2-Dichloroethane	0.86	0.0035	Not Detected	Not Detected
Tetrachloroethene	0.86	0.0059	9.6	0.065

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	95	70-130

Client Sample ID: Lab Blank

Lab ID#: 1004097-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041207a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/12/10 11:23 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.50	0.0013	Not Detected	Not Detected
1,1-Dichloroethene	0.50	0.0020	Not Detected	Not Detected
1,1-Dichloroethane	0.50	0.0020	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	0.0020	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	0.0027	Not Detected	Not Detected
Trichloroethene	0.50	0.0027	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.50	0.0020	Not Detected	Not Detected
1,2-Dichloroethane	0.50	0.0020	Not Detected	Not Detected
Tetrachloroethene	0.50	0.0034	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: CCV

Lab ID#: 1004097-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/12/10 08:28 AM

Compound	%Recovery
Vinyl Chloride	113
1,1-Dichloroethene	96
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	110
Trichloroethene	104
trans-1,2-Dichloroethene	100
1,2-Dichloroethane	120
Tetrachloroethene	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: LCS

Lab ID#: 1004097-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041204	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/12/10 08:59 AM

Compound	%Recovery
Vinyl Chloride	116
1,1-Dichloroethene	91
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	110
Trichloroethene	102
trans-1,2-Dichloroethene	104
1,2-Dichloroethane	113
Tetrachloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	95	70-130

5/12/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1005019

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 5/3/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1005019

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	05/03/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	05/10/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-042910-01	Modified TO-15	7.0 "Hg	5 psi
02A	SVETE-042910	Modified TO-15	12.0 "Hg	5 psi
03A	SVETI-042910-02	Modified TO-15	6.4 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 05/12/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1005019**

Three 6 Liter Summa Canister samples were received on May 03, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-042910-01

Lab ID#: 1005019-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.88	5.8	0.0035	0.023
cis-1,2-Dichloroethene	0.88	46	0.0035	0.18
1,1,1-Trichloroethane	0.88	52	0.0048	0.28
Trichloroethene	0.88	260	0.0047	1.4
Tetrachloroethene	0.88	280	0.0059	1.9

Client Sample ID: SVETE-042910

Lab ID#: 1005019-02A

No Detections Were Found.

Client Sample ID: SVETI-042910-02

Lab ID#: 1005019-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.85	5.9	0.0034	0.024
cis-1,2-Dichloroethene	0.85	46	0.0034	0.18
1,1,1-Trichloroethane	0.85	53	0.0046	0.29
Trichloroethene	0.85	270	0.0046	1.4
Tetrachloroethene	0.85	290	0.0058	2.0

Client Sample ID: SVETI-042910-01

Lab ID#: 1005019-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050506	Date of Collection: 4/29/10 11:12:00 AM
Dil. Factor:	1.75	Date of Analysis: 5/5/10 11:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.88	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.88	Not Detected	0.0035	Not Detected
1,1-Dichloroethane	0.88	5.8	0.0035	0.023
cis-1,2-Dichloroethene	0.88	46	0.0035	0.18
1,1,1-Trichloroethane	0.88	52	0.0048	0.28
Trichloroethene	0.88	260	0.0047	1.4
trans-1,2-Dichloroethene	0.88	Not Detected	0.0035	Not Detected
1,2-Dichloroethane	0.88	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.88	280	0.0059	1.9

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SVETE-042910

Lab ID#: 1005019-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050507	Date of Collection: 4/29/10 11:12:00 AM
Dil. Factor:	2.23	Date of Analysis: 5/5/10 12:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.1	Not Detected	0.0028	Not Detected
1,1-Dichloroethene	1.1	Not Detected	0.0044	Not Detected
1,1-Dichloroethane	1.1	Not Detected	0.0045	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	0.0044	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	0.0061	Not Detected
Trichloroethene	1.1	Not Detected	0.0060	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	0.0044	Not Detected
1,2-Dichloroethane	1.1	Not Detected	0.0045	Not Detected
Tetrachloroethene	1.1	Not Detected	0.0076	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVETI-042910-02

Lab ID#: 1005019-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050509	Date of Collection: 4/29/10 11:45:00 AM
Dil. Factor:	1.70	Date of Analysis: 5/5/10 02:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.85	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.85	Not Detected	0.0034	Not Detected
1,1-Dichloroethane	0.85	5.9	0.0034	0.024
cis-1,2-Dichloroethene	0.85	46	0.0034	0.18
1,1,1-Trichloroethane	0.85	53	0.0046	0.29
Trichloroethene	0.85	270	0.0046	1.4
trans-1,2-Dichloroethene	0.85	Not Detected	0.0034	Not Detected
1,2-Dichloroethane	0.85	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.85	290	0.0058	2.0

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: Lab Blank

Lab ID#: 1005019-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050505a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/10 10:57 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: CCV

Lab ID#: 1005019-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/10 08:34 AM

Compound	%Recovery
Vinyl Chloride	103
1,1-Dichloroethene	98
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	103
Trichloroethene	105
trans-1,2-Dichloroethene	103
1,2-Dichloroethane	104
Tetrachloroethene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: LCS

Lab ID#: 1005019-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/10 09:53 AM

Compound	%Recovery
Vinyl Chloride	110
1,1-Dichloroethene	94
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	104
1,1,1-Trichloroethane	104
Trichloroethene	106
trans-1,2-Dichloroethene	108
1,2-Dichloroethane	100
Tetrachloroethene	115

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

6/17/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: BETHPAGE SITE 1
Project #: 106-3570 WO4
Workorder #: 1006011

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 6/1/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1006011

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 WO4 BETHPAGE SITE 1
DATE RECEIVED:	06/01/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	06/15/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-052710-01	Modified TO-15	6.2 "Hg	5 psi
02A	SVETE-052710	Modified TO-15	7.6 "Hg	5 psi
03A	SVETI-052710-02	Modified TO-15	27.0 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
04B	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
05B	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06B	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 06/17/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1006011**

Three 6 Liter Summa Canister samples were received on June 01, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample SVETI-052710-02 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for some target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. The only target compound that met specific project requirements for data inclusion below the Reporting Limit was trans-1,2-Dichloroethene in sample SVETI-052710-01. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.

- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-052710-01

Lab ID#: 1006011-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.2	11	0.0050	0.043
cis-1,2-Dichloroethene	1.2	130	0.0050	0.52
1,1,1-Trichloroethane	1.2	81	0.0068	0.44
Trichloroethene	1.2	340	0.0067	1.8
trans-1,2-Dichloroethene	1.2	1.2 J	0.0050	0.0048 J
Tetrachloroethene	1.2	400	0.0085	2.7

Client Sample ID: SVETE-052710

Lab ID#: 1006011-02A

No Detections Were Found.

Client Sample ID: SVETI-052710-02

Lab ID#: 1006011-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	6.7	9.0	0.027	0.036
cis-1,2-Dichloroethene	6.7	100	0.026	0.41
1,1,1-Trichloroethane	6.7	58	0.036	0.32
Trichloroethene	6.7	260	0.036	1.4
Tetrachloroethene	6.7	320	0.045	2.2

Client Sample ID: SVETI-052710-01

Lab ID#: 1006011-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061215	Date of Collection: 5/27/10 9:30:00 AM
Dil. Factor:	2.50	Date of Analysis: 6/12/10 08:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.2	Not Detected	0.0032	Not Detected
1,1-Dichloroethene	1.2	Not Detected	0.0050	Not Detected
1,1-Dichloroethane	1.2	11	0.0050	0.043
cis-1,2-Dichloroethene	1.2	130	0.0050	0.52
1,1,1-Trichloroethane	1.2	81	0.0068	0.44
Trichloroethene	1.2	340	0.0067	1.8
trans-1,2-Dichloroethene	1.2	1.2 J	0.0050	0.0048 J
1,2-Dichloroethane	1.2	Not Detected	0.0050	Not Detected
Tetrachloroethene	1.2	400	0.0085	2.7

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVETE-052710

Lab ID#: 1006011-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061212	Date of Collection: 5/27/10 9:30:00 AM
Dil. Factor:	1.79	Date of Analysis: 6/13/10 11:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.90	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.90	Not Detected	0.0035	Not Detected
1,1-Dichloroethane	0.90	Not Detected	0.0036	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	0.0035	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	0.0049	Not Detected
Trichloroethene	0.90	Not Detected	0.0048	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	0.0035	Not Detected
1,2-Dichloroethane	0.90	Not Detected	0.0036	Not Detected
Tetrachloroethene	0.90	Not Detected	0.0061	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: SVETI-052710-02

Lab ID#: 1006011-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061211	Date of Collection: 5/27/10 10:00:00 AM
Dil. Factor:	13.4	Date of Analysis: 6/13/10 11:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.7	Not Detected	0.017	Not Detected
1,1-Dichloroethene	6.7	Not Detected	0.026	Not Detected
1,1-Dichloroethane	6.7	9.0	0.027	0.036
cis-1,2-Dichloroethene	6.7	100	0.026	0.41
1,1,1-Trichloroethane	6.7	58	0.036	0.32
Trichloroethene	6.7	260	0.036	1.4
trans-1,2-Dichloroethene	6.7	Not Detected	0.026	Not Detected
1,2-Dichloroethane	6.7	Not Detected	0.027	Not Detected
Tetrachloroethene	6.7	320	0.045	2.2

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006011-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061206c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 12:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006011-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061206c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/13/10 08:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: CCV

Lab ID#: 1006011-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:09 AM

Compound	%Recovery
Vinyl Chloride	93
1,1-Dichloroethene	96
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	104
Trichloroethene	96
trans-1,2-Dichloroethene	89
1,2-Dichloroethane	102
Tetrachloroethene	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: CCV

Lab ID#: 1006011-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:24 PM

Compound	%Recovery
Vinyl Chloride	92
1,1-Dichloroethene	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	103
Trichloroethene	95
trans-1,2-Dichloroethene	91
1,2-Dichloroethane	97
Tetrachloroethene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: LCS

Lab ID#: 1006011-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:58 AM

Compound	%Recovery
Vinyl Chloride	100
1,1-Dichloroethene	89
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	90
1,1,1-Trichloroethane	107
Trichloroethene	100
trans-1,2-Dichloroethene	92
1,2-Dichloroethane	103
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: LCS

Lab ID#: 1006011-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:48 PM

Compound	%Recovery
Vinyl Chloride	100
1,1-Dichloroethene	86
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	99
Trichloroethene	94
trans-1,2-Dichloroethene	92
1,2-Dichloroethane	95
Tetrachloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	105	70-130

6/28/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1006278

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 6/11/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1006278

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	06/11/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	06/27/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVE TI-060910-1	Modified TO-15	5.0 "Hg	5 psi
01AA	SVE TI-060910-1 Lab Duplicate	Modified TO-15	5.0 "Hg	5 psi
02A	SVE TE-060910	Modified TO-15	6.0 "Hg	5 psi
03A	SVE101I-060910	Modified TO-15	5.0 "Hg	5 psi
04A	SVE101D-060910	Modified TO-15	6.5 "Hg	5 psi
04AA	SVE101D-060910 Lab Duplicate	Modified TO-15	6.5 "Hg	5 psi
05A	SVE102I-060910	Modified TO-15	6.0 "Hg	5 psi
06A	SVE102D-060910	Modified TO-15	6.0 "Hg	5 psi
07A	SVE103I-060910	Modified TO-15	5.5 "Hg	5 psi
08A	SVE103D-060910	Modified TO-15	6.5 "Hg	5 psi
09A	SVE104I-060910	Modified TO-15	6.0 "Hg	5 psi
10A	SVE104D-060910	Modified TO-15	5.0 "Hg	5 psi
11A	SVE105I-060910	Modified TO-15	6.0 "Hg	5 psi
12A	SVE105D-060910	Modified TO-15	7.0 "Hg	5 psi
13A	SVE106I-060910	Modified TO-15	7.8 "Hg	5 psi
14A	SVE106D-060910	Modified TO-15	6.0 "Hg	5 psi
15A	SVETI-060910-2	Modified TO-15	6.0 "Hg	5 psi

Continued on next page

WORK ORDER #: 1006278

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	06/11/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	06/27/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
16A	Lab Blank	Modified TO-15	NA	NA
16B	Lab Blank	Modified TO-15	NA	NA
16C	Lab Blank	Modified TO-15	NA	NA
17A	CCV	Modified TO-15	NA	NA
17B	CCV	Modified TO-15	NA	NA
17C	CCV	Modified TO-15	NA	NA
18A	LCS	Modified TO-15	NA	NA
18B	LCS	Modified TO-15	NA	NA
18C	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 06/28/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1006278**

Fifteen 6 Liter Summa Canister samples were received on June 11, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE TI-060910-1

Lab ID#: 1006278-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.8	12	0.0072	0.049
cis-1,2-Dichloroethene	1.8	110	0.0071	0.43
1,1,1-Trichloroethane	1.8	74	0.0098	0.40
Trichloroethene	1.8	400	0.0096	2.2
trans-1,2-Dichloroethene	1.8	0.90 J	0.0071	0.0036 J
Tetrachloroethene	1.8	500	0.012	3.4

Client Sample ID: SVE TI-060910-1 Lab Duplicate

Lab ID#: 1006278-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.0	12	0.0081	0.048
cis-1,2-Dichloroethene	2.0	100	0.0080	0.40
1,1,1-Trichloroethane	2.0	72	0.011	0.39
Trichloroethene	2.0	390	0.011	2.1
trans-1,2-Dichloroethene	2.0	0.95 J	0.0080	0.0038 J
Tetrachloroethene	2.0	480	0.014	3.2

Client Sample ID: SVE TE-060910

Lab ID#: 1006278-02A

No Detections Were Found.

Client Sample ID: SVE101I-060910

Lab ID#: 1006278-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	6.4	8.5	0.026	0.034
1,1,1-Trichloroethane	6.4	480	0.035	2.6
Trichloroethene	6.4	2600	0.035	14
Tetrachloroethene	6.4	38	0.044	0.26

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE101D-060910

Lab ID#: 1006278-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	0.86	1.9	0.0034	0.0075
1,1,1-Trichloroethane	0.86	9.8	0.0047	0.053
Trichloroethene	0.86	58	0.0046	0.31
Tetrachloroethene	0.86	180	0.0058	1.2

Client Sample ID: SVE101D-060910 Lab Duplicate

Lab ID#: 1006278-04AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	1.4	1.9	0.0056	0.0077
1,1,1-Trichloroethane	1.4	9.7	0.0078	0.053
Trichloroethene	1.4	57	0.0076	0.31
Tetrachloroethene	1.4	190	0.0097	1.3

Client Sample ID: SVE102I-060910

Lab ID#: 1006278-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	0.84	2.4	0.0046	0.013
Trichloroethene	0.84	56	0.0045	0.30
Tetrachloroethene	0.84	2.6	0.0057	0.017

Client Sample ID: SVE102D-060910

Lab ID#: 1006278-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	0.84	2.5	0.0046	0.014
Trichloroethene	0.84	36	0.0045	0.19
Tetrachloroethene	0.84	4.6	0.0057	0.031

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE103I-060910

Lab ID#: 1006278-07A

No Detections Were Found.

Client Sample ID: SVE103D-060910

Lab ID#: 1006278-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	6.8	93	0.027	0.37
1,1,1-Trichloroethane	6.8	42	0.037	0.23
Trichloroethene	6.8	120	0.037	0.64
Tetrachloroethene	6.8	2400	0.046	16

Client Sample ID: SVE104I-060910

Lab ID#: 1006278-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Trichloroethene	0.84	11	0.0045	0.060
Tetrachloroethene	0.84	10	0.0057	0.068

Client Sample ID: SVE104D-060910

Lab ID#: 1006278-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	8.0	34	0.032	0.14
cis-1,2-Dichloroethene	8.0	890	0.032	3.5
1,1,1-Trichloroethane	8.0	160	0.044	0.86
Trichloroethene	8.0	440	0.043	2.4
trans-1,2-Dichloroethene	8.0	7.7 J	0.032	0.030 J
Tetrachloroethene	8.0	3100	0.055	21

Client Sample ID: SVE105I-060910

Lab ID#: 1006278-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
-----------------	--------------------------	----------------------	---------------------------	-----------------------

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE105I-060910

Lab ID#: 1006278-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.84	3.2	0.0034	0.013
cis-1,2-Dichloroethene	0.84	5.1	0.0033	0.020
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.029
Trichloroethene	0.84	68	0.0045	0.37
trans-1,2-Dichloroethene	0.84	0.39 J	0.0033	0.0016 J
Tetrachloroethene	0.84	35	0.0057	0.24

Client Sample ID: SVE105D-060910

Lab ID#: 1006278-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.88	66	0.0035	0.27
cis-1,2-Dichloroethene	0.88	22	0.0035	0.085
1,1,1-Trichloroethane	0.88	60	0.0048	0.32
Trichloroethene	0.88	38	0.0047	0.20
trans-1,2-Dichloroethene	0.88	0.79 J	0.0035	0.0031 J
Tetrachloroethene	0.88	95	0.0059	0.65

Client Sample ID: SVE106I-060910

Lab ID#: 1006278-13A

No Detections Were Found.

Client Sample ID: SVE106D-060910

Lab ID#: 1006278-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	0.84	2.9	0.0033	0.011
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.030
Trichloroethene	0.84	170	0.0045	0.90
Tetrachloroethene	0.84	10	0.0057	0.070

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-060910-2

Lab ID#: 1006278-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.9	13	0.0075	0.054
cis-1,2-Dichloroethene	1.9	120	0.0074	0.47
1,1,1-Trichloroethane	1.9	80	0.010	0.43
Trichloroethene	1.9	400	0.010	2.1
trans-1,2-Dichloroethene	1.9	1.0 J	0.0074	0.0041 J
Tetrachloroethene	1.9	540	0.013	3.7

Client Sample ID: SVE TI-060910-1

Lab ID#: 1006278-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062010	Date of Collection: 6/9/10 12:30:00 PM
Dil. Factor:	3.58	Date of Analysis: 6/20/10 02:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.8	Not Detected	0.0046	Not Detected
1,1-Dichloroethene	1.8	Not Detected	0.0071	Not Detected
1,1-Dichloroethane	1.8	12	0.0072	0.049
cis-1,2-Dichloroethene	1.8	110	0.0071	0.43
1,1,1-Trichloroethane	1.8	74	0.0098	0.40
Trichloroethene	1.8	400	0.0096	2.2
trans-1,2-Dichloroethene	1.8	0.90 J	0.0071	0.0036 J
1,2-Dichloroethane	1.8	Not Detected	0.0072	Not Detected
Tetrachloroethene	1.8	500	0.012	3.4

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE TI-060910-1 Lab Duplicate

Lab ID#: 1006278-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062008	Date of Collection: 6/9/10 12:30:00 PM
Dil. Factor:	4.02	Date of Analysis: 6/20/10 01:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.0	Not Detected	0.0051	Not Detected
1,1-Dichloroethene	2.0	Not Detected	0.0080	Not Detected
1,1-Dichloroethane	2.0	12	0.0081	0.048
cis-1,2-Dichloroethene	2.0	100	0.0080	0.40
1,1,1-Trichloroethane	2.0	72	0.011	0.39
Trichloroethene	2.0	390	0.011	2.1
trans-1,2-Dichloroethene	2.0	0.95 J	0.0080	0.0038 J
1,2-Dichloroethane	2.0	Not Detected	0.0081	Not Detected
Tetrachloroethene	2.0	480	0.014	3.2

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE TE-060910

Lab ID#: 1006278-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062009	Date of Collection: 6/9/10 12:30:00 PM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 01:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	0.0046	Not Detected
Trichloroethene	0.84	Not Detected	0.0045	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	Not Detected	0.0057	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE101I-060910

Lab ID#: 1006278-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062109	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	12.9	Date of Analysis: 6/21/10 03:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.4	Not Detected	0.016	Not Detected
1,1-Dichloroethene	6.4	Not Detected	0.026	Not Detected
1,1-Dichloroethane	6.4	8.5	0.026	0.034
cis-1,2-Dichloroethene	6.4	Not Detected	0.026	Not Detected
1,1,1-Trichloroethane	6.4	480	0.035	2.6
Trichloroethene	6.4	2600	0.035	14
trans-1,2-Dichloroethene	6.4	Not Detected	0.026	Not Detected
1,2-Dichloroethane	6.4	Not Detected	0.026	Not Detected
Tetrachloroethene	6.4	38	0.044	0.26

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE101D-060910

Lab ID#: 1006278-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062013	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	1.71	Date of Analysis: 6/20/10 04:42 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.86	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,1-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
cis-1,2-Dichloroethene	0.86	1.9	0.0034	0.0075
1,1,1-Trichloroethane	0.86	9.8	0.0047	0.053
Trichloroethene	0.86	58	0.0046	0.31
trans-1,2-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,2-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.86	180	0.0058	1.2

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE101D-060910 Lab Duplicate

Lab ID#: 1006278-04AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062011	Date of Collection:	6/9/10 10:57:00 AM
Dil. Factor:	2.85	Date of Analysis:	6/20/10 03:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.4	Not Detected	0.0036	Not Detected
1,1-Dichloroethene	1.4	Not Detected	0.0056	Not Detected
1,1-Dichloroethane	1.4	Not Detected	0.0058	Not Detected
cis-1,2-Dichloroethene	1.4	1.9	0.0056	0.0077
1,1,1-Trichloroethane	1.4	9.7	0.0078	0.053
Trichloroethene	1.4	57	0.0076	0.31
trans-1,2-Dichloroethene	1.4	Not Detected	0.0056	Not Detected
1,2-Dichloroethane	1.4	Not Detected	0.0058	Not Detected
Tetrachloroethene	1.4	190	0.0097	1.3

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVE102I-060910

Lab ID#: 1006278-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062012	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 04:01 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	2.4	0.0046	0.013
Trichloroethene	0.84	56	0.0045	0.30
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	2.6	0.0057	0.017

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SVE102D-060910

Lab ID#: 1006278-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062014	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 05:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	2.5	0.0046	0.014
Trichloroethene	0.84	36	0.0045	0.19
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	4.6	0.0057	0.031

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SVE103I-060910

Lab ID#: 1006278-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062015	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	1.64	Date of Analysis: 6/20/10 06:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.82	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.82	Not Detected	0.0032	Not Detected
1,1-Dichloroethane	0.82	Not Detected	0.0033	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	0.0032	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	0.0045	Not Detected
Trichloroethene	0.82	Not Detected	0.0044	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	0.0032	Not Detected
1,2-Dichloroethane	0.82	Not Detected	0.0033	Not Detected
Tetrachloroethene	0.82	Not Detected	0.0056	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE103D-060910

Lab ID#: 1006278-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062111	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	13.7	Date of Analysis: 6/21/10 04:42 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.8	Not Detected	0.018	Not Detected
1,1-Dichloroethene	6.8	Not Detected	0.027	Not Detected
1,1-Dichloroethane	6.8	Not Detected	0.028	Not Detected
cis-1,2-Dichloroethene	6.8	93	0.027	0.37
1,1,1-Trichloroethane	6.8	42	0.037	0.23
Trichloroethene	6.8	120	0.037	0.64
trans-1,2-Dichloroethene	6.8	Not Detected	0.027	Not Detected
1,2-Dichloroethane	6.8	Not Detected	0.028	Not Detected
Tetrachloroethene	6.8	2400	0.046	16

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: SVE104I-060910

Lab ID#: 1006278-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062016	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 06:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	0.0046	Not Detected
Trichloroethene	0.84	11	0.0045	0.060
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	10	0.0057	0.068

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: SVE104D-060910

Lab ID#: 1006278-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062117	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	16.1	Date of Analysis: 6/21/10 09:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	8.0	Not Detected	0.020	Not Detected
1,1-Dichloroethene	8.0	Not Detected	0.032	Not Detected
1,1-Dichloroethane	8.0	34	0.032	0.14
cis-1,2-Dichloroethene	8.0	890	0.032	3.5
1,1,1-Trichloroethane	8.0	160	0.044	0.86
Trichloroethene	8.0	440	0.043	2.4
trans-1,2-Dichloroethene	8.0	7.7 J	0.032	0.030 J
1,2-Dichloroethane	8.0	Not Detected	0.032	Not Detected
Tetrachloroethene	8.0	3100	0.055	21

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: SVE105I-060910

Lab ID#: 1006278-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062017	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 07:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	3.2	0.0034	0.013
cis-1,2-Dichloroethene	0.84	5.1	0.0033	0.020
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.029
Trichloroethene	0.84	68	0.0045	0.37
trans-1,2-Dichloroethene	0.84	0.39 J	0.0033	0.0016 J
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	35	0.0057	0.24

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: SVE105D-060910

Lab ID#: 1006278-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062018	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.75	Date of Analysis: 6/20/10 08:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.88	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.88	Not Detected	0.0035	Not Detected
1,1-Dichloroethane	0.88	66	0.0035	0.27
cis-1,2-Dichloroethene	0.88	22	0.0035	0.085
1,1,1-Trichloroethane	0.88	60	0.0048	0.32
Trichloroethene	0.88	38	0.0047	0.20
trans-1,2-Dichloroethene	0.88	0.79 J	0.0035	0.0031 J
1,2-Dichloroethane	0.88	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.88	95	0.0059	0.65

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SVE106I-060910

Lab ID#: 1006278-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062321	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.81	Date of Analysis: 6/23/10 11:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.90	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.90	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.90	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	0.0049	Not Detected
Trichloroethene	0.90	Not Detected	0.0049	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.90	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.90	Not Detected	0.0061	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	121	70-130

Client Sample ID: SVE106D-060910

Lab ID#: 1006278-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062019	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 08:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	2.9	0.0033	0.011
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.030
Trichloroethene	0.84	170	0.0045	0.90
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	10	0.0057	0.070

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVETI-060910-2

Lab ID#: 1006278-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062020	Date of Collection: 6/9/10 1:01:00 PM
Dil. Factor:	3.73	Date of Analysis: 6/20/10 09:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.9	Not Detected	0.0048	Not Detected
1,1-Dichloroethene	1.9	Not Detected	0.0074	Not Detected
1,1-Dichloroethane	1.9	13	0.0075	0.054
cis-1,2-Dichloroethene	1.9	120	0.0074	0.47
1,1,1-Trichloroethane	1.9	80	0.010	0.43
Trichloroethene	1.9	400	0.010	2.1
trans-1,2-Dichloroethene	1.9	1.0 J	0.0074	0.0041 J
1,2-Dichloroethane	1.9	Not Detected	0.0075	Not Detected
Tetrachloroethene	1.9	540	0.013	3.7

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006278-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062007a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/20/10 12:01 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006278-16B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062108a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/21/10 02:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006278-16C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062311	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/23/10 01:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	108	70-130

Client Sample ID: CCV

Lab ID#: 1006278-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/20/10 08:59 AM

Compound	%Recovery
Vinyl Chloride	117
1,1-Dichloroethene	116
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	111
Trichloroethene	104
trans-1,2-Dichloroethene	102
1,2-Dichloroethane	122
Tetrachloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	115	70-130

Client Sample ID: CCV

Lab ID#: 1006278-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/21/10 11:16 AM

Compound	%Recovery
Vinyl Chloride	114
1,1-Dichloroethene	115
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	106
Trichloroethene	104
trans-1,2-Dichloroethene	103
1,2-Dichloroethane	121
Tetrachloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: CCV

Lab ID#: 1006278-17C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062307	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/23/10 10:58 AM

Compound	%Recovery
Vinyl Chloride	90
1,1-Dichloroethene	101
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	100
Trichloroethene	99
trans-1,2-Dichloroethene	105
1,2-Dichloroethane	92
Tetrachloroethene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: LCS

Lab ID#: 1006278-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/20/10 09:37 AM

Compound	%Recovery
Vinyl Chloride	103
1,1-Dichloroethene	102
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	115
Trichloroethene	108
trans-1,2-Dichloroethene	100
1,2-Dichloroethane	123
Tetrachloroethene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	114	70-130

Client Sample ID: LCS

Lab ID#: 1006278-18B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062105	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/21/10 11:54 AM

Compound	%Recovery
Vinyl Chloride	104
1,1-Dichloroethene	102
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	101
1,1,1-Trichloroethane	114
Trichloroethene	109
trans-1,2-Dichloroethene	102
1,2-Dichloroethane	117
Tetrachloroethene	110

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: LCS

Lab ID#: 1006278-18C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062308	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/23/10 11:37 AM

Compound	%Recovery
Vinyl Chloride	86
1,1-Dichloroethene	93
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	98
Trichloroethene	98
trans-1,2-Dichloroethene	106
1,2-Dichloroethane	91
Tetrachloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	109	70-130

1/11/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 0912590

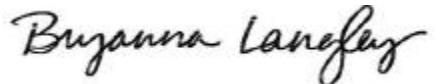
Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 12/23/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 0912590

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Accounts Payable Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	12/23/2009	CONTACT:	Bryanna Langley
DATE COMPLETED:	01/11/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-122109	Modified TO-15	8.5 "Hg	5 psi
01AA	SVETI-122109 Lab Duplicate	Modified TO-15	8.5 "Hg	5 psi
02A	SVETE-122109	Modified TO-15	9.0 "Hg	5 psi
03A	SVE101I-122109	Modified TO-15	7.0 "Hg	5 psi
04A	SVE101D-122109	Modified TO-15	7.5 "Hg	5 psi
05A	SVE103I-122109	Modified TO-15	9.0 "Hg	5 psi
06A	SVE105D-122109	Modified TO-15	9.0 "Hg	5 psi
07A	SVE105I-122109	Modified TO-15	0.4psi	5 psi
08A	SVE104D-122109	Modified TO-15	22.0 "Hg	5 psi
08AA	SVE104D-122109 Lab Duplicate	Modified TO-15	22.0 "Hg	5 psi
09A	SVE104I-122109	Modified TO-15	7.0 "Hg	5 psi
10A	SVE106I-122109	Modified TO-15	7.0 "Hg	5 psi
11A	SVE106D-122109	Modified TO-15	10.0 "Hg	5 psi
12A	SVE102D-122109	Modified TO-15	8.0 "Hg	5 psi
13A	SVE102I-122109	Modified TO-15	8.0 "Hg	5 psi
14A	AMBI-122109	Modified TO-15	8.0 "Hg	5 psi
15A	Lab Blank	Modified TO-15	NA	NA


Continued on next page

WORK ORDER #: 0912590

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Accounts Payable Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	12/23/2009	CONTACT:	Bryanna Langley
DATE COMPLETED:	01/11/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
15B	Lab Blank	Modified TO-15	NA	NA
15C	Lab Blank	Modified TO-15	NA	NA
15D	Lab Blank	Modified TO-15	NA	NA
16A	CCV	Modified TO-15	NA	NA
16B	CCV	Modified TO-15	NA	NA
16C	CCV	Modified TO-15	NA	NA
16D	CCV	Modified TO-15	NA	NA
17A	LCS	Modified TO-15	NA	NA
17B	LCS	Modified TO-15	NA	NA
17C	LCS	Modified TO-15	NA	NA
17D	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 
Laboratory Director

DATE: 01/11/10

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
 This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 0912590**

Fourteen 6 Liter Summa Canister samples were received on December 23, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for samples SVETI-122109 and SVETE-122109 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Sample identification for sample AMBI-122109 was not provided on the sample tag. Therefore the information on the Chain of Custody was used to process and report the sample.

Sample SVE105I-122109 arrived at ambient pressure yet flow controllers were used for sample collection.

Sample SVE104D-122109 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Trichloroethene was detected in the laboratory blank analyzed on instrument designated as MSD-D on 12/30/2009 at greater than 1/2 the reporting limit.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETI-122109

Lab ID#: 0912590-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	23	100	0.095	0.40
cis-1,2-Dichloroethene	23	89	0.093	0.35
1,1,1-Trichloroethane	23	2400	0.13	13
Trichloroethene	23	7900	0.12	42
Tetrachloroethene	23	1200	0.16	7.9

Client Sample ID: SVETI-122109 Lab Duplicate

Lab ID#: 0912590-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	19	100	0.076	0.41
cis-1,2-Dichloroethene	19	92	0.074	0.36
1,1,1-Trichloroethane	19	2300	0.10	13
Trichloroethene	19	7800 E	0.10	42 E
1,2-Dichloroethane	19	5.0 J	0.076	0.020 J
Tetrachloroethene	19	1200	0.13	7.8

Client Sample ID: SVETE-122109

Lab ID#: 0912590-02A

No Detections Were Found.

Client Sample ID: SVE101I-122109

Lab ID#: 0912590-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethene	73	64 J	0.29	0.25 J
1,1-Dichloroethane	73	300	0.30	1.2
cis-1,2-Dichloroethene	73	120	0.29	0.48
1,1,1-Trichloroethane	73	9400	0.40	51
1,2-Dichloroethane	73	31 J	0.30	0.13 J
Trichloroethene	73	33000	0.39	180
Tetrachloroethene	73	260	0.50	1.7

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS**

Client Sample ID: SVE101D-122109

Lab ID#: 0912590-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethene	64	47 J	0.25	0.18 J
1,1-Dichloroethane	64	160	0.26	0.66
cis-1,2-Dichloroethene	64	55 J	0.25	0.22 J
1,1,1-Trichloroethane	64	4700	0.35	26
Trichloroethene	64	19000	0.34	100
Tetrachloroethene	64	470	0.43	3.2

Client Sample ID: SVE103I-122109

Lab ID#: 0912590-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	3.8	6.3	0.015	0.026
cis-1,2-Dichloroethene	3.8	15	0.015	0.058
1,1,1-Trichloroethane	3.8	130	0.021	0.72
Trichloroethene	3.8	170	0.020	0.90
trans-1,2-Dichloroethene	3.8	3.7 J	0.015	0.014 J
Tetrachloroethene	3.8	860	0.026	5.8

Client Sample ID: SVE105D-122109

Lab ID#: 0912590-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethene	0.96	0.98	0.0038	0.0039
1,1-Dichloroethane	0.96	73	0.0039	0.30
cis-1,2-Dichloroethene	0.96	15	0.0038	0.061
1,1,1-Trichloroethane	0.96	100	0.0052	0.55
Trichloroethene	0.96	320	0.0051	1.7
trans-1,2-Dichloroethene	0.96	4.7	0.0038	0.019
Tetrachloroethene	0.96	310	0.0065	2.1

Client Sample ID: SVE105I-122109

Lab ID#: 0912590-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Trichloroethene	0.65	0.47 J	0.0035	0.0025 J

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE105I-122109

Lab ID#: 0912590-07A

Tetrachloroethene	0.65	0.41 J	0.0044	0.0028 J
-------------------	------	--------	--------	----------

Client Sample ID: SVE104D-122109

Lab ID#: 0912590-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	2.5	1.2 J	0.014	0.0068 J

Client Sample ID: SVE104D-122109 Lab Duplicate

Lab ID#: 0912590-08AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	2.5	1.3 J	0.014	0.0070 J

Client Sample ID: SVE104I-122109

Lab ID#: 0912590-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.8	5.8	0.0071	0.024
cis-1,2-Dichloroethene	1.8	28	0.0069	0.11
1,1,1-Trichloroethane	1.8	130	0.0095	0.73
Trichloroethene	1.8	130	0.0094	0.71
trans-1,2-Dichloroethene	1.8	3.8	0.0069	0.015
Tetrachloroethene	1.8	450	0.012	3.1

Client Sample ID: SVE106I-122109

Lab ID#: 0912590-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.2	31	0.0047	0.12
cis-1,2-Dichloroethene	1.2	12	0.0046	0.046
1,1,1-Trichloroethane	1.2	40	0.0064	0.22
Trichloroethene	1.2	350	0.0063	1.9
trans-1,2-Dichloroethene	1.2	2.0	0.0046	0.0079
Tetrachloroethene	1.2	57	0.0079	0.39

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE106D-122109

Lab ID#: 0912590-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.0	62	0.0081	0.25
cis-1,2-Dichloroethene	2.0	20	0.0080	0.079
1,1,1-Trichloroethane	2.0	62	0.011	0.34
Trichloroethene	2.0	640	0.011	3.4
trans-1,2-Dichloroethene	2.0	3.8	0.0080	0.015
Tetrachloroethene	2.0	110	0.014	0.72

Client Sample ID: SVE102D-122109

Lab ID#: 0912590-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	0.92	24	0.0050	0.13
Trichloroethene	0.92	82	0.0049	0.44
Tetrachloroethene	0.92	1.5	0.0062	0.010

Client Sample ID: SVE102I-122109

Lab ID#: 0912590-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Trichloroethene	0.92	1.0	0.0049	0.0056
Tetrachloroethene	0.92	0.36 J	0.0062	0.0024 J

Client Sample ID: AMBI-122109

Lab ID#: 0912590-14A

No Detections Were Found.

Client Sample ID: SVETI-122109

Lab ID#: 0912590-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123009	Date of Collection: 12/21/09 1:36:00 PM
Dil. Factor:	46.8	Date of Analysis: 12/30/09 01:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	23	Not Detected	0.060	Not Detected
1,1-Dichloroethene	23	Not Detected	0.093	Not Detected
1,1-Dichloroethane	23	100	0.095	0.40
cis-1,2-Dichloroethene	23	89	0.093	0.35
1,1,1-Trichloroethane	23	2400	0.13	13
Trichloroethene	23	7900	0.12	42
trans-1,2-Dichloroethene	23	Not Detected	0.093	Not Detected
1,2-Dichloroethane	23	Not Detected	0.095	Not Detected
Tetrachloroethene	23	1200	0.16	7.9

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVETI-122109 Lab Duplicate

Lab ID#: 0912590-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123008	Date of Collection:	12/21/09 1:36:00 PM
Dil. Factor:	37.4	Date of Analysis:	12/30/09 12:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	19	Not Detected	0.048	Not Detected
1,1-Dichloroethene	19	Not Detected	0.074	Not Detected
1,1-Dichloroethane	19	100	0.076	0.41
cis-1,2-Dichloroethene	19	92	0.074	0.36
1,1,1-Trichloroethane	19	2300	0.10	13
Trichloroethene	19	7800 E	0.10	42 E
trans-1,2-Dichloroethene	19	Not Detected	0.074	Not Detected
1,2-Dichloroethane	19	5.0 J	0.076	0.020 J
Tetrachloroethene	19	1200	0.13	7.8

E = Exceeds instrument calibration range.

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVETE-122109

Lab ID#: 0912590-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123019	Date of Collection: 12/21/09 1:38:00 PM
Dil. Factor:	1.91	Date of Analysis: 12/30/09 03:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.96	Not Detected	0.0024	Not Detected
1,1-Dichloroethene	0.96	Not Detected	0.0038	Not Detected
1,1-Dichloroethane	0.96	Not Detected	0.0039	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	0.0038	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	0.0052	Not Detected
Trichloroethene	0.96	Not Detected	0.0051	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	0.0038	Not Detected
1,2-Dichloroethane	0.96	Not Detected	0.0039	Not Detected
Tetrachloroethene	0.96	Not Detected	0.0065	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SVE101I-122109

Lab ID#: 0912590-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123109	Date of Collection: 12/21/09 3:32:00 PM
Dil. Factor:	14.6	Date of Analysis: 12/31/09 03:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	73	Not Detected	0.19	Not Detected
1,1-Dichloroethene	73	64 J	0.29	0.25 J
trans-1,2-Dichloroethene	73	Not Detected	0.29	Not Detected
1,1-Dichloroethane	73	300	0.30	1.2
cis-1,2-Dichloroethene	73	120	0.29	0.48
1,1,1-Trichloroethane	73	9400	0.40	51
1,2-Dichloroethane	73	31 J	0.30	0.13 J
Trichloroethene	73	33000	0.39	180
Tetrachloroethene	73	260	0.50	1.7

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVE101D-122109

Lab ID#: 0912590-04A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123111	Date of Collection: 12/21/09 3:35:00 PM
Dil. Factor:	12.8	Date of Analysis: 12/31/09 04:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	64	Not Detected	0.16	Not Detected
1,1-Dichloroethene	64	47 J	0.25	0.18 J
trans-1,2-Dichloroethene	64	Not Detected	0.25	Not Detected
1,1-Dichloroethane	64	160	0.26	0.66
cis-1,2-Dichloroethene	64	55 J	0.25	0.22 J
1,1,1-Trichloroethane	64	4700	0.35	26
1,2-Dichloroethane	64	Not Detected	0.26	Not Detected
Trichloroethene	64	19000	0.34	100
Tetrachloroethene	64	470	0.43	3.2

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE103I-122109

Lab ID#: 0912590-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123114	Date of Collection: 12/21/09 3:37:00 PM
Dil. Factor:	7.64	Date of Analysis: 12/31/09 11:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	3.8	Not Detected	0.0098	Not Detected
1,1-Dichloroethene	3.8	Not Detected	0.015	Not Detected
1,1-Dichloroethane	3.8	6.3	0.015	0.026
cis-1,2-Dichloroethene	3.8	15	0.015	0.058
1,1,1-Trichloroethane	3.8	130	0.021	0.72
Trichloroethene	3.8	170	0.020	0.90
trans-1,2-Dichloroethene	3.8	3.7 J	0.015	0.014 J
1,2-Dichloroethane	3.8	Not Detected	0.015	Not Detected
Tetrachloroethene	3.8	860	0.026	5.8

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVE105D-122109

Lab ID#: 0912590-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123020	Date of Collection: 12/21/09 4:24:00 PM
Dil. Factor:	1.91	Date of Analysis: 12/30/09 04:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.96	Not Detected	0.0024	Not Detected
1,1-Dichloroethene	0.96	0.98	0.0038	0.0039
1,1-Dichloroethane	0.96	73	0.0039	0.30
cis-1,2-Dichloroethene	0.96	15	0.0038	0.061
1,1,1-Trichloroethane	0.96	100	0.0052	0.55
Trichloroethene	0.96	320	0.0051	1.7
trans-1,2-Dichloroethene	0.96	4.7	0.0038	0.019
1,2-Dichloroethane	0.96	Not Detected	0.0039	Not Detected
Tetrachloroethene	0.96	310	0.0065	2.1

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SVE105I-122109

Lab ID#: 0912590-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123021	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	1.30	Date of Analysis: 12/30/09 04:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.65	Not Detected	0.0017	Not Detected
1,1-Dichloroethene	0.65	Not Detected	0.0026	Not Detected
1,1-Dichloroethane	0.65	Not Detected	0.0026	Not Detected
cis-1,2-Dichloroethene	0.65	Not Detected	0.0026	Not Detected
1,1,1-Trichloroethane	0.65	Not Detected	0.0035	Not Detected
Trichloroethene	0.65	0.47 J	0.0035	0.0025 J
trans-1,2-Dichloroethene	0.65	Not Detected	0.0026	Not Detected
1,2-Dichloroethane	0.65	Not Detected	0.0026	Not Detected
Tetrachloroethene	0.65	0.41 J	0.0044	0.0028 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE104D-122109

Lab ID#: 0912590-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123017	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	5.03	Date of Analysis: 12/30/09 02:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.5	Not Detected	0.0064	Not Detected
1,1-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1-Dichloroethane	2.5	Not Detected	0.010	Not Detected
cis-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1,1-Trichloroethane	2.5	1.2 J	0.014	0.0068 J
Trichloroethene	2.5	Not Detected	0.014	Not Detected
trans-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,2-Dichloroethane	2.5	Not Detected	0.010	Not Detected
Tetrachloroethene	2.5	Not Detected	0.017	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVE104D-122109 Lab Duplicate

Lab ID#: 0912590-08AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123018	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	5.03	Date of Analysis: 12/30/09 03:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.5	Not Detected	0.0064	Not Detected
1,1-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1-Dichloroethane	2.5	Not Detected	0.010	Not Detected
cis-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,1,1-Trichloroethane	2.5	1.3 J	0.014	0.0070 J
Trichloroethene	2.5	Not Detected	0.014	Not Detected
trans-1,2-Dichloroethene	2.5	Not Detected	0.010	Not Detected
1,2-Dichloroethane	2.5	Not Detected	0.010	Not Detected
Tetrachloroethene	2.5	Not Detected	0.017	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE104I-122109

Lab ID#: 0912590-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123024	Date of Collection: 12/21/09 4:26:00 PM
Dil. Factor:	3.50	Date of Analysis: 12/30/09 05:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.8	Not Detected	0.0045	Not Detected
1,1-Dichloroethene	1.8	Not Detected	0.0069	Not Detected
1,1-Dichloroethane	1.8	5.8	0.0071	0.024
cis-1,2-Dichloroethene	1.8	28	0.0069	0.11
1,1,1-Trichloroethane	1.8	130	0.0095	0.73
Trichloroethene	1.8	130	0.0094	0.71
trans-1,2-Dichloroethene	1.8	3.8	0.0069	0.015
1,2-Dichloroethane	1.8	Not Detected	0.0071	Not Detected
Tetrachloroethene	1.8	450	0.012	3.1

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVE106I-122109

Lab ID#: 0912590-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123029	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	2.33	Date of Analysis: 12/30/09 07:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.2	Not Detected	0.0030	Not Detected
1,1-Dichloroethene	1.2	Not Detected	0.0046	Not Detected
1,1-Dichloroethane	1.2	31	0.0047	0.12
cis-1,2-Dichloroethene	1.2	12	0.0046	0.046
1,1,1-Trichloroethane	1.2	40	0.0064	0.22
Trichloroethene	1.2	350	0.0063	1.9
trans-1,2-Dichloroethene	1.2	2.0	0.0046	0.0079
1,2-Dichloroethane	1.2	Not Detected	0.0047	Not Detected
Tetrachloroethene	1.2	57	0.0079	0.39

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE106D-122109

Lab ID#: 0912590-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123034	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	4.02	Date of Analysis: 12/30/09 10:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.0	Not Detected	0.0051	Not Detected
1,1-Dichloroethene	2.0	Not Detected	0.0080	Not Detected
1,1-Dichloroethane	2.0	62	0.0081	0.25
cis-1,2-Dichloroethene	2.0	20	0.0080	0.079
1,1,1-Trichloroethane	2.0	62	0.011	0.34
Trichloroethene	2.0	640	0.011	3.4
trans-1,2-Dichloroethene	2.0	3.8	0.0080	0.015
1,2-Dichloroethane	2.0	Not Detected	0.0081	Not Detected
Tetrachloroethene	2.0	110	0.014	0.72

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	119	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SVE102D-122109

Lab ID#: 0912590-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123035	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/30/09 10:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.92	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.92	24	0.0050	0.13
Trichloroethene	0.92	82	0.0049	0.44
trans-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.92	1.5	0.0062	0.010

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE102I-122109

Lab ID#: 0912590-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123025	Date of Collection: 12/21/09 5:10:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/30/09 05:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.92	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	0.0050	Not Detected
Trichloroethene	0.92	1.0	0.0049	0.0056
trans-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.92	0.36 J	0.0062	0.0024 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: AMBI-122109

Lab ID#: 0912590-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123026	Date of Collection: 12/21/09 5:12:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/30/09 06:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.92	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.92	Not Detected	0.0050	Not Detected
Trichloroethene	0.92	Not Detected	0.0049	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.92	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.92	Not Detected	0.0062	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123005a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 09:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123007a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 09:53 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	0.28 J	0.0027	0.0015 J
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123108a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 09:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: Lab Blank

Lab ID#: 0912590-15D

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123104a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 09:15 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	5.0	Not Detected	0.013	Not Detected
1,1-Dichloroethene	5.0	Not Detected	0.020	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	0.020	Not Detected
1,1-Dichloroethane	5.0	Not Detected	0.020	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	0.020	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	0.027	Not Detected
1,2-Dichloroethane	5.0	Not Detected	0.020	Not Detected
Trichloroethene	5.0	Not Detected	0.027	Not Detected
Tetrachloroethene	5.0	Not Detected	0.034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 07:16 AM

Compound	%Recovery
Vinyl Chloride	90
1,1-Dichloroethene	87
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	92
Trichloroethene	90
trans-1,2-Dichloroethene	86
1,2-Dichloroethane	96
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 08:13 AM

Compound	%Recovery
Vinyl Chloride	108
1,1-Dichloroethene	80
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	78
1,1,1-Trichloroethane	77
Trichloroethene	80
trans-1,2-Dichloroethene	83
1,2-Dichloroethane	90
Tetrachloroethene	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 07:50 AM

Compound	%Recovery
Vinyl Chloride	126
1,1-Dichloroethene	90
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	89
Trichloroethene	91
trans-1,2-Dichloroethene	94
1,2-Dichloroethane	106
Tetrachloroethene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 0912590-16D

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123102	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 08:26 AM

Compound	%Recovery
Vinyl Chloride	92
1,1-Dichloroethene	89
trans-1,2-Dichloroethene	90
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	86
1,2-Dichloroethane	87
Trichloroethene	89
Tetrachloroethene	86

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3123003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 07:46 AM

Compound	%Recovery
Vinyl Chloride	88
1,1-Dichloroethene	75
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	84
1,1,1-Trichloroethane	85
Trichloroethene	86
trans-1,2-Dichloroethene	80
1,2-Dichloroethane	90
Tetrachloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/30/09 08:55 AM

Compound	%Recovery
Vinyl Chloride	119
1,1-Dichloroethene	82
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	91
Trichloroethene	92
trans-1,2-Dichloroethene	94
1,2-Dichloroethane	100
Tetrachloroethene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d123106	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 08:33 AM

Compound	%Recovery
Vinyl Chloride	130
1,1-Dichloroethene	82
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	90
Trichloroethene	91
trans-1,2-Dichloroethene	93
1,2-Dichloroethane	104
Tetrachloroethene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: LCS

Lab ID#: 0912590-17D

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	w123103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/31/09 08:48 AM

Compound	%Recovery
Vinyl Chloride	97
1,1-Dichloroethene	84
trans-1,2-Dichloroethene	96
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	90
1,2-Dichloroethane	88
Trichloroethene	91
Tetrachloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	107	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARBON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRATECH.COM
 Address 820 Town Center Dr Ste 100 City Langhorne State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHPAGE SITE 1</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
---	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	SVETI-122109	1594	12/21/09	13:36	TO-15	>30	11		
02A	SVETE-122109	4218	12/21/09	13:38	TO-15	>30	12		
03A	SVEL01I-122109	1500	12/21/09	15:32	TO-15	>30	9		
04A	SVEL01D-122109	10796	12/21/09	15:35	TO-15	29	9		
05A	SVEL03I-122109	5620	12/21/09	15:37	TO-15	>30	11		
	DO NOT ANALYZE	9704				>30			
06A	SVEL05D-122109	4232	12/21/09	16:24	TO-15	>30	12		
07A	SVEL05I-122109	1987	12/21/09	16:26	TO-15	>30	8		
08A	SVEL04D-122109	21076	12/21/09	16:26	TO-15	>30	29		
09A	SVEL04I-122109	1284	12/21/09	16:26	TO-15	>30	10		

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>12/22/09 13:45</u>	Received by: (signature) <u>Monica Green ATL</u> Date/Time <u>12/22/09 14:00</u>	Notes: - CANISTER 9704 WAS RUINED WHEN A REGULATOR FITTING WAS FAULTY. THE VACUUM WAS <5 IN THE FIRST FIVE MINUTES. - CANISTER 21076 RETAINED A VACUUM THROUGHOUT THE SAMPLING. UNCLEAR WHY.
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name <u>Fed Ex</u>	Air Bill # <u>467458445785</u>	Temp (°C) <u>NA</u>	Condition <u>Good</u>	Custody Seals Intact? <u>None</u>	Work Order # <u>0012590</u>
--------------	----------------------------	--------------------------------	---------------------	-----------------------	-----------------------------------	-----------------------------

Air TOXICS LTD.

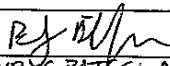
CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

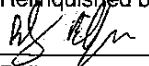
180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of 2

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARGEON 
 Company TETRA TECH Email STAVROS.PATSELAS@TETRATECH.COM
 Address 820 Tam Center Dr. Ste 100 City LAVERGNE State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHPAGE SITE 1</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
---	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
10A	SVE 106I-122109	2332	12/21/09	17:10	TO-15	>30	8		
11A	SVE 106D-122109	94949	12/21/09	17:10	TO-15	>30	14		
12A	SVE 102D-122109	4188	12/21/09	17:10	TO-15	>30	11		
13A	SVE 102I-122109	1928	12/21/09	17:10	TO-15	>30	12		
14A	SVE AMBI-122109	34393	12/21/09	17:12	TO-15	>30	11		

Relinquished by: (signature)  Date/Time <u>12/22/09 13:45</u>	Received by: (signature) <u>Monica Groden</u> Date/Time <u>ATL 12/22/09</u>	Notes: <u>W04</u>
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Fed Ex</u>	<u>40745845785</u>	<u>NA</u>	<u>Good</u>	Yes No <u>None</u>	<u>0912590</u>

2/1/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1001293

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 1/18/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

 |


Bryanna Langley
Project Manager

WORK ORDER #: 1001293

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	01/18/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	01/29/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-011410	Modified TO-15	4.5 "Hg	5 psi
02A	SVETE-011410-01	Modified TO-15	4.5 "Hg	5 psi
03A	SVETE-011410-02	Modified TO-15	9.5 "Hg	5 psi
04A	SVE103D-011410	Modified TO-15	5.0 "Hg	5 psi
05A	SVE104D-011410	Modified TO-15	6.0 "Hg	5 psi
06A	SVE105I-011410	Modified TO-15	5.0 "Hg	5 psi
07A	Lab Blank	Modified TO-15	NA	NA
08A	CCV	Modified TO-15	NA	NA
09A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 02/01/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1001293**

Six 6 Liter Summa Canister samples were received on January 18, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETI-011410

Lab ID#: 1001293-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	6.3	26	0.026	0.10
cis-1,2-Dichloroethene	6.3	100	0.025	0.41
1,1,1-Trichloroethane	6.3	360	0.034	1.9
Trichloroethene	6.3	1400	0.034	7.8
trans-1,2-Dichloroethene	6.3	5.0 J	0.025	0.020 J
Tetrachloroethene	6.3	630	0.043	4.3

Client Sample ID: SVETE-011410-01

Lab ID#: 1001293-02A

No Detections Were Found.

Client Sample ID: SVETE-011410-02

Lab ID#: 1001293-03A

No Detections Were Found.

Client Sample ID: SVE103D-011410

Lab ID#: 1001293-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	16	20	0.065	0.082
cis-1,2-Dichloroethene	16	110	0.064	0.42
1,1,1-Trichloroethane	16	550	0.088	3.0
Trichloroethene	16	570	0.086	3.1
trans-1,2-Dichloroethene	16	13 J	0.064	0.052 J
Tetrachloroethene	16	3000	0.11	20

Client Sample ID: SVE104D-011410

Lab ID#: 1001293-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	17	72	0.068	0.29
cis-1,2-Dichloroethene	17	610	0.067	2.4
1,1,1-Trichloroethane	17	660	0.092	3.6
Trichloroethene	17	850	0.090	4.6

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE104D-011410

Lab ID#: 1001293-05A

trans-1,2-Dichloroethene	17	34	0.067	0.13
Tetrachloroethene	17	3000	0.11	20

Client Sample ID: SVE105I-011410

Lab ID#: 1001293-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	0.80	0.66 J	0.0032	0.0026 J
1,1,1-Trichloroethane	0.80	1.8	0.0044	0.0099
Trichloroethene	0.80	14	0.0043	0.076
Tetrachloroethene	0.80	10	0.0055	0.070

Client Sample ID: SVETI-011410

Lab ID#: 1001293-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011912	Date of Collection: 1/14/10 8:37:00 AM
Dil. Factor:	12.6	Date of Analysis: 1/19/10 06:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.3	Not Detected	0.016	Not Detected
1,1-Dichloroethene	6.3	Not Detected	0.025	Not Detected
1,1-Dichloroethane	6.3	26	0.026	0.10
cis-1,2-Dichloroethene	6.3	100	0.025	0.41
1,1,1-Trichloroethane	6.3	360	0.034	1.9
Trichloroethene	6.3	1400	0.034	7.8
trans-1,2-Dichloroethene	6.3	5.0 J	0.025	0.020 J
1,2-Dichloroethane	6.3	Not Detected	0.025	Not Detected
Tetrachloroethene	6.3	630	0.043	4.3

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVETE-011410-01

Lab ID#: 1001293-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011909	Date of Collection: 1/14/10 8:35:00 AM
Dil. Factor:	1.58	Date of Analysis: 1/19/10 04:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.79	Not Detected	0.0020	Not Detected
1,1-Dichloroethene	0.79	Not Detected	0.0031	Not Detected
1,1-Dichloroethane	0.79	Not Detected	0.0032	Not Detected
cis-1,2-Dichloroethene	0.79	Not Detected	0.0031	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	0.0043	Not Detected
Trichloroethene	0.79	Not Detected	0.0042	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	0.0031	Not Detected
1,2-Dichloroethane	0.79	Not Detected	0.0032	Not Detected
Tetrachloroethene	0.79	Not Detected	0.0054	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVETE-011410-02

Lab ID#: 1001293-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011910	Date of Collection: 1/14/10 9:13:00 AM
Dil. Factor:	1.96	Date of Analysis: 1/19/10 05:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.98	Not Detected	0.0025	Not Detected
1,1-Dichloroethene	0.98	Not Detected	0.0039	Not Detected
1,1-Dichloroethane	0.98	Not Detected	0.0040	Not Detected
cis-1,2-Dichloroethene	0.98	Not Detected	0.0039	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	0.0053	Not Detected
Trichloroethene	0.98	Not Detected	0.0053	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	0.0039	Not Detected
1,2-Dichloroethane	0.98	Not Detected	0.0040	Not Detected
Tetrachloroethene	0.98	Not Detected	0.0066	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE103D-011410

Lab ID#: 1001293-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011915	Date of Collection: 1/14/10 10:53:00 AM
Dil. Factor:	32.2	Date of Analysis: 1/19/10 08:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	16	Not Detected	0.041	Not Detected
1,1-Dichloroethene	16	Not Detected	0.064	Not Detected
1,1-Dichloroethane	16	20	0.065	0.082
cis-1,2-Dichloroethene	16	110	0.064	0.42
1,1,1-Trichloroethane	16	550	0.088	3.0
Trichloroethene	16	570	0.086	3.1
trans-1,2-Dichloroethene	16	13 J	0.064	0.052 J
1,2-Dichloroethane	16	Not Detected	0.065	Not Detected
Tetrachloroethene	16	3000	0.11	20

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE104D-011410

Lab ID#: 1001293-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011921	Date of Collection: 1/14/10 10:53:00 AM
Dil. Factor:	33.6	Date of Analysis: 1/19/10 10:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	17	Not Detected	0.043	Not Detected
1,1-Dichloroethene	17	Not Detected	0.067	Not Detected
1,1-Dichloroethane	17	72	0.068	0.29
cis-1,2-Dichloroethene	17	610	0.067	2.4
1,1,1-Trichloroethane	17	660	0.092	3.6
Trichloroethene	17	850	0.090	4.6
trans-1,2-Dichloroethene	17	34	0.067	0.13
1,2-Dichloroethane	17	Not Detected	0.068	Not Detected
Tetrachloroethene	17	3000	0.11	20

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE105I-011410

Lab ID#: 1001293-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011911	Date of Collection: 1/14/10 10:53:00 AM
Dil. Factor:	1.61	Date of Analysis: 1/19/10 06:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.80	Not Detected	0.0020	Not Detected
1,1-Dichloroethene	0.80	Not Detected	0.0032	Not Detected
1,1-Dichloroethane	0.80	Not Detected	0.0032	Not Detected
cis-1,2-Dichloroethene	0.80	0.66 J	0.0032	0.0026 J
1,1,1-Trichloroethane	0.80	1.8	0.0044	0.0099
Trichloroethene	0.80	14	0.0043	0.076
trans-1,2-Dichloroethene	0.80	Not Detected	0.0032	Not Detected
1,2-Dichloroethane	0.80	Not Detected	0.0032	Not Detected
Tetrachloroethene	0.80	10	0.0055	0.070

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: Lab Blank

Lab ID#: 1001293-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011905a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/19/10 08:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 1001293-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/19/10 06:56 AM

Compound	%Recovery
Vinyl Chloride	96
1,1-Dichloroethene	100
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	101
1,1,1-Trichloroethane	98
Trichloroethene	100
trans-1,2-Dichloroethene	100
1,2-Dichloroethane	99
Tetrachloroethene	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: LCS

Lab ID#: 1001293-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d011903	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/19/10 07:22 AM

Compound	%Recovery
Vinyl Chloride	86
1,1-Dichloroethene	81
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	90
1,1,1-Trichloroethane	89
Trichloroethene	91
trans-1,2-Dichloroethene	91
1,2-Dichloroethane	88
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARGON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRA24H.COM
 Address 820 TOWN CENTER DR. STE 100 City LANCASTER State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHPAGE SITE 4</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
---	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psf)
07A	SVETI-011410	1958	1/14/10	0837	TO-15	730	8		
07A	SVETE-011410-01	2264	1/14/10	0835	TO-15	730	7		
03A	SVETE-011410-02	3380	1/14/10	0913	TO-15	730	15		
04A	SV2103D-011410	3102	1/14/10	10:53	TO-15	730	9		
05A	SV2104D-011410	14875	1/14/10	10:53	TO-15	730	10		
06A	SV2105I-011410	1990	1/14/10	10:53	TO-15	730	8		

Relinquished by: (signature) <u>Brad Bailargon</u> Date/Time <u>1/14/10 11:00 AM</u>	Received by: (signature) <u>Monica Groben ATZ</u> Date/Time <u>1/18/10 9:15</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?			Work Order #
	<u>Fed Ex</u>	<u>86404571061</u>	<u>NA</u>	<u>Good</u>	Yes	No	<u>None</u>	<u>1001293</u>

3/5/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1002449


Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 2/22/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,




Bryanna Langley
Project Manager

WORK ORDER #: 1002449

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	02/22/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	03/05/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-021810-1	Modified TO-15	7.8 "Hg	5 psi
02A	SVETE-021810	Modified TO-15	6.6 "Hg	5 psi
03A	SVETI-021810-2	Modified TO-15	6.6 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 
Laboratory Director

DATE: 03/05/10

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
 NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
 This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1002449**

Three 6 Liter Summa Canister samples were received on February 22, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-021810-1

Lab ID#: 1002449-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.1	18	0.0086	0.074
cis-1,2-Dichloroethene	2.1	290	0.0084	1.1
1,1,1-Trichloroethane	2.1	200	0.012	1.1
Trichloroethene	2.1	640	0.011	3.5
trans-1,2-Dichloroethene	2.1	4.0	0.0084	0.016
Tetrachloroethene	2.1	850	0.014	5.7

Client Sample ID: SVETE-021810

Lab ID#: 1002449-02A

No Detections Were Found.

Client Sample ID: SVETI-021810-2

Lab ID#: 1002449-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.3	19	0.0093	0.077
cis-1,2-Dichloroethene	2.3	300	0.0091	1.2
1,1,1-Trichloroethane	2.3	210	0.012	1.1
Trichloroethene	2.3	670	0.012	3.6
trans-1,2-Dichloroethene	2.3	4.0	0.0091	0.016
Tetrachloroethene	2.3	910	0.016	6.2

Client Sample ID: SVETI-021810-1

Lab ID#: 1002449-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022606	Date of Collection: 2/18/10 9:45:00 AM
Dil. Factor:	4.25	Date of Analysis: 2/26/10 11:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.1	Not Detected	0.0054	Not Detected
1,1-Dichloroethene	2.1	Not Detected	0.0084	Not Detected
1,1-Dichloroethane	2.1	18	0.0086	0.074
cis-1,2-Dichloroethene	2.1	290	0.0084	1.1
1,1,1-Trichloroethane	2.1	200	0.012	1.1
Trichloroethene	2.1	640	0.011	3.5
trans-1,2-Dichloroethene	2.1	4.0	0.0084	0.016
1,2-Dichloroethane	2.1	Not Detected	0.0086	Not Detected
Tetrachloroethene	2.1	850	0.014	5.7

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SVETE-021810

Lab ID#: 1002449-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022607	Date of Collection: 2/18/10 9:45:00 AM
Dil. Factor:	1.72	Date of Analysis: 2/26/10 11:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.86	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,1-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	0.0047	Not Detected
Trichloroethene	0.86	Not Detected	0.0046	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,2-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.86	Not Detected	0.0058	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: SVETI-021810-2

Lab ID#: 1002449-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022608	Date of Collection: 2/18/10 10:10:00 AM
Dil. Factor:	4.59	Date of Analysis: 2/26/10 12:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.3	Not Detected	0.0059	Not Detected
1,1-Dichloroethene	2.3	Not Detected	0.0091	Not Detected
1,1-Dichloroethane	2.3	19	0.0093	0.077
cis-1,2-Dichloroethene	2.3	300	0.0091	1.2
1,1,1-Trichloroethane	2.3	210	0.012	1.1
Trichloroethene	2.3	670	0.012	3.6
trans-1,2-Dichloroethene	2.3	4.0	0.0091	0.016
1,2-Dichloroethane	2.3	Not Detected	0.0093	Not Detected
Tetrachloroethene	2.3	910	0.016	6.2

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: Lab Blank

Lab ID#: 1002449-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022605	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/10 10:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: CCV

Lab ID#: 1002449-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/10 08:45 AM

Compound	%Recovery
Vinyl Chloride	109
1,1-Dichloroethene	94
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	91
1,1,1-Trichloroethane	99
Trichloroethene	98
trans-1,2-Dichloroethene	97
1,2-Dichloroethane	105
Tetrachloroethene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: LCS

Lab ID#: 1002449-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022603	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/26/10 09:25 AM

Compound	%Recovery
Vinyl Chloride	106
1,1-Dichloroethene	81
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	94
Trichloroethene	92
trans-1,2-Dichloroethene	92
1,2-Dichloroethane	96
Tetrachloroethene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRADLEY BAILLARGEON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRA TECH.COM
 Address 820 TOWN CENTER DR City LANGHORNE State PA Zip 19047
 Phone (215) 702-4000 Fax _____

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHPAGE SITE 1</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
---	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
	SVETI-021810-1	3250	2/18/10	0945	TO-15	730	9		
	SVETE-021810	4115	2/18/10	0945	TO-15	730	6		
	SVETI-021810-2	95562	2/18/10	1010	TO-15	730	9		

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>2/18/10 1050</u>	Received by: (signature) <u>[Signature]</u> Date/Time <u>2/22/10 0845</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Fed Ex</u>	<u>3655 5959 5410</u>	<u>N/A</u>	<u>Good</u>	Yes No <u>None</u>	<u>1002449</u>

4/16/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1 SVE
Project #: 106-3570 W04
Workorder #: 1004097

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 4/5/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Bryanna Langley
Project Manager

WORK ORDER #: 1004097

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1 SVE
DATE RECEIVED:	04/05/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	04/16/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-033110-1	Modified TO-15	19.4 "Hg	5 psi
01AA	SVETI-033110-1 Lab Duplicate	Modified TO-15	19.4 "Hg	5 psi
02A	SVETI-033110-2	Modified TO-15	9.2 "Hg	5 psi
03A	SVETE-033110	Modified TO-15	5.4 "Hg	5 psi
04A	SVEAMB-033110	Modified TO-15	5.4 "Hg	5 psi
05A	SVE101I-033110	Modified TO-15	5.6 "Hg	5 psi
06A	SVE101D-033110	Modified TO-15	9.2 "Hg	5 psi
07A	SVE102I-033110	Modified TO-15	6.2 "Hg	5 psi
08A	SVE102D-033110	Modified TO-15	7.0 "Hg	5 psi
09A	SVE 103I-033110	Modified TO-15	5.6 "Hg	5 psi
10A	SVE103D-033110	Modified TO-15	6.4 "Hg	5 psi
11A	SVE104I-033110	Modified TO-15	4.9 "Hg	5 psi
12A	SVE104D-033110	Modified TO-15	6.0 "Hg	5 psi
13A	SVE105I-033110	Modified TO-15	6.0 "Hg	5 psi
14A	SVE105D-033110	Modified TO-15	5.6 "Hg	5 psi
15A	SVE106I-033110	Modified TO-15	7.6 "Hg	5 psi
16A	SVE106D-033110	Modified TO-15	6.8 "Hg	5 psi

Continued on next page

WORK ORDER #: 1004097

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1 SVE
DATE RECEIVED:	04/05/2010	CONTACT:	Bryanna Langley
DATE COMPLETED:	04/16/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
17A	Lab Blank	Modified TO-15	NA	NA
18A	CCV	Modified TO-15	NA	NA
19A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 04/16/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1004097**

Sixteen 6 Liter Summa Canister samples were received on April 05, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) was not relinquished properly. A signature and date were not provided.

Sample SVETI-033110-1 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

There was a significant difference (greater than 5.0" Hg) between the measured canister receipt vacuum and that which was reported on the Chain of Custody (COC) for sample SVE104D-033110. A leak test indicated that the valve was functioning properly.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction no

performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETI-033110-1

Lab ID#: 1004097-01A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.9	0.0048	0.45 J	0.0012 J
1,1-Dichloroethane	1.9	0.0077	6.5	0.026
cis-1,2-Dichloroethene	1.9	0.0075	70	0.28
1,1,1-Trichloroethane	1.9	0.010	83	0.45
Trichloroethene	1.9	0.010	380	2.0
trans-1,2-Dichloroethene	1.9	0.0075	1.1 J	0.0042 J
1,2-Dichloroethane	1.9	0.0077	0.70 J	0.0028 J
Tetrachloroethene	1.9	0.013	340	2.3

Client Sample ID: SVETI-033110-1 Lab Duplicate

Lab ID#: 1004097-01AA

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	5.0	0.020	6.9	0.028
cis-1,2-Dichloroethene	5.0	0.020	69	0.27
1,1,1-Trichloroethane	5.0	0.028	77	0.42
Trichloroethene	5.0	0.027	370	2.0
Tetrachloroethene	5.0	0.034	350	2.4

Client Sample ID: SVETI-033110-2

Lab ID#: 1004097-02A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.3	0.0033	0.47 J	0.0012 J
1,1-Dichloroethene	1.3	0.0051	0.44 J	0.0017 J
1,1-Dichloroethane	1.3	0.0052	6.7	0.027
cis-1,2-Dichloroethene	1.3	0.0051	74	0.29
1,1,1-Trichloroethane	1.3	0.0070	81	0.44
Trichloroethene	1.3	0.0069	400	2.2
trans-1,2-Dichloroethene	1.3	0.0051	1.1 J	0.0044 J
1,2-Dichloroethane	1.3	0.0052	0.71 J	0.0029 J
Tetrachloroethene	1.3	0.0087	380	2.6

Client Sample ID: SVETE-033110

Lab ID#: 1004097-03A



**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVETE-033110

Lab ID#: 1004097-03A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	0.82	0.0021
Trichloroethene	0.82	0.0044	0.21 J	0.0011 J
Tetrachloroethene	0.82	0.0055	0.20 J	0.0014 J

Client Sample ID: SVEAMB-033110

Lab ID#: 1004097-04A

No Detections Were Found.

Client Sample ID: SVE101I-033110

Lab ID#: 1004097-05A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	11	0.044	16	0.065
cis-1,2-Dichloroethene	11	0.044	15	0.059
1,1,1-Trichloroethane	11	0.060	720	3.9
Trichloroethene	11	0.059	3400	18
1,2-Dichloroethane	11	0.044	7.3 J	0.030 J
Tetrachloroethene	11	0.075	60	0.41

Client Sample ID: SVE101D-033110

Lab ID#: 1004097-06A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethene	0.96	0.0038	0.50 J	0.0020 J
1,1-Dichloroethane	0.96	0.0039	0.96	0.0039
cis-1,2-Dichloroethene	0.96	0.0038	2.1	0.0085
1,1,1-Trichloroethane	0.96	0.0053	24	0.13
Trichloroethene	0.96	0.0052	300	1.6
1,2-Dichloroethane	0.96	0.0039	0.13 J	0.00054 J
Tetrachloroethene	0.96	0.0065	180	1.2

Client Sample ID: SVE102I-033110

Lab ID#: 1004097-07A

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE102I-033110

Lab ID#: 1004097-07A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Trichloroethene	0.84	0.0045	0.71 J	0.0038 J
Tetrachloroethene	0.84	0.0057	0.20 J	0.0014 J

Client Sample ID: SVE102D-033110

Lab ID#: 1004097-08A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	0.88	0.0035	0.66 J	0.0027 J
cis-1,2-Dichloroethene	0.88	0.0035	0.35 J	0.0014 J
1,1,1-Trichloroethane	0.88	0.0048	9.7	0.053
Trichloroethene	0.88	0.0047	72	0.39
Tetrachloroethene	0.88	0.0059	4.5	0.031

Client Sample ID: SVE 103I-033110

Lab ID#: 1004097-09A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Trichloroethene	0.82	0.0044	0.16 J	0.00085 J

Client Sample ID: SVE103D-033110

Lab ID#: 1004097-10A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	11	0.029	2.3 J	0.0059 J
1,1-Dichloroethane	11	0.046	17	0.069
cis-1,2-Dichloroethene	11	0.045	390	1.5
1,1,1-Trichloroethane	11	0.062	210	1.1
Trichloroethene	11	0.061	300	1.6
trans-1,2-Dichloroethene	11	0.045	6.0 J	0.024 J
Tetrachloroethene	11	0.077	4100	28

Client Sample ID: SVE104I-033110

Lab ID#: 1004097-11A

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE104I-033110

Lab ID#: 1004097-11A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.80	0.0020	0.18 J	0.00047 J
1,1-Dichloroethane	0.80	0.0032	0.13 J	0.00054 J
cis-1,2-Dichloroethene	0.80	0.0032	3.5	0.014
1,1,1-Trichloroethane	0.80	0.0044	0.76 J	0.0042 J
Trichloroethene	0.80	0.0043	8.2	0.044
Tetrachloroethene	0.80	0.0054	32	0.21

Client Sample ID: SVE104D-033110

Lab ID#: 1004097-12A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	17	0.043	4.8 J	0.012 J
1,1-Dichloroethane	17	0.068	86	0.35
cis-1,2-Dichloroethene	17	0.067	1600	6.6
1,1,1-Trichloroethane	17	0.092	550	3.0
Trichloroethene	17	0.090	1100	6.0
trans-1,2-Dichloroethene	17	0.067	18	0.070
Tetrachloroethene	17	0.11	5800	39

Client Sample ID: SVE105I-033110

Lab ID#: 1004097-13A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	0.84	0.0034	1.4	0.0057
cis-1,2-Dichloroethene	0.84	0.0033	1.6	0.0066
1,1,1-Trichloroethane	0.84	0.0046	2.0	0.011
Trichloroethene	0.84	0.0045	12	0.063
Tetrachloroethene	0.84	0.0057	13	0.091

Client Sample ID: SVE105D-033110

Lab ID#: 1004097-14A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1-Dichloroethane	0.82	0.0033	7.0	0.028
cis-1,2-Dichloroethene	0.82	0.0033	9.2	0.036

**Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SVE105D-033110

Lab ID#: 1004097-14A

1,1,1-Trichloroethane	0.82	0.0045	8.7	0.047
Trichloroethene	0.82	0.0044	13	0.068
trans-1,2-Dichloroethene	0.82	0.0033	0.29 J	0.0011 J
Tetrachloroethene	0.82	0.0056	55	0.38

Client Sample ID: SVE106I-033110

Lab ID#: 1004097-15A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
1,1,1-Trichloroethane	6.0	0.032	1.6 J	0.0086 J
Trichloroethene	6.0	0.032	7.6	0.041
Tetrachloroethene	6.0	0.040	5.1 J	0.035 J

Client Sample ID: SVE106D-033110

Lab ID#: 1004097-16A

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.86	0.0022	0.61 J	0.0016 J
1,1-Dichloroethane	0.86	0.0035	1.6	0.0063
cis-1,2-Dichloroethene	0.86	0.0034	3.4	0.013
1,1,1-Trichloroethane	0.86	0.0047	5.8	0.032
Trichloroethene	0.86	0.0046	110	0.60
Tetrachloroethene	0.86	0.0059	9.6	0.065

Client Sample ID: SVETI-033110-1

Lab ID#: 1004097-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041214	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	3.79	Date of Analysis: 4/12/10 03:47 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.9	0.0048	0.45 J	0.0012 J
1,1-Dichloroethene	1.9	0.0075	Not Detected	Not Detected
1,1-Dichloroethane	1.9	0.0077	6.5	0.026
cis-1,2-Dichloroethene	1.9	0.0075	70	0.28
1,1,1-Trichloroethane	1.9	0.010	83	0.45
Trichloroethene	1.9	0.010	380	2.0
trans-1,2-Dichloroethene	1.9	0.0075	1.1 J	0.0042 J
1,2-Dichloroethane	1.9	0.0077	0.70 J	0.0028 J
Tetrachloroethene	1.9	0.013	340	2.3

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVETI-033110-1 Lab Duplicate

Lab ID#: 1004097-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041213	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	10.1	Date of Analysis: 4/12/10 03:18 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	5.0	0.013	Not Detected	Not Detected
1,1-Dichloroethene	5.0	0.020	Not Detected	Not Detected
1,1-Dichloroethane	5.0	0.020	6.9	0.028
cis-1,2-Dichloroethene	5.0	0.020	69	0.27
1,1,1-Trichloroethane	5.0	0.028	77	0.42
Trichloroethene	5.0	0.027	370	2.0
trans-1,2-Dichloroethene	5.0	0.020	Not Detected	Not Detected
1,2-Dichloroethane	5.0	0.020	Not Detected	Not Detected
Tetrachloroethene	5.0	0.034	350	2.4

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SVETI-033110-2

Lab ID#: 1004097-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041217	Date of Collection: 3/31/10 12:50:00 PM
Dil. Factor:	2.57	Date of Analysis: 4/12/10 05:09 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	1.3	0.0033	0.47 J	0.0012 J
1,1-Dichloroethene	1.3	0.0051	0.44 J	0.0017 J
1,1-Dichloroethane	1.3	0.0052	6.7	0.027
cis-1,2-Dichloroethene	1.3	0.0051	74	0.29
1,1,1-Trichloroethane	1.3	0.0070	81	0.44
Trichloroethene	1.3	0.0069	400	2.2
trans-1,2-Dichloroethene	1.3	0.0051	1.1 J	0.0044 J
1,2-Dichloroethane	1.3	0.0052	0.71 J	0.0029 J
Tetrachloroethene	1.3	0.0087	380	2.6

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVETE-033110

Lab ID#: 1004097-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041216	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	1.63	Date of Analysis: 4/12/10 04:44 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	0.82	0.0021
1,1-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1,1-Trichloroethane	0.82	0.0044	Not Detected	Not Detected
Trichloroethene	0.82	0.0044	0.21 J	0.0011 J
trans-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0055	0.20 J	0.0014 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVEAMB-033110

Lab ID#: 1004097-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041212	Date of Collection: 3/31/10 12:15:00 PM
Dil. Factor:	1.63	Date of Analysis: 4/12/10 02:48 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,1,1-Trichloroethane	0.82	0.0044	Not Detected	Not Detected
Trichloroethene	0.82	0.0044	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.82	0.0032	Not Detected	Not Detected
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0055	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: SVE101I-033110

Lab ID#: 1004097-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041218	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	22.0	Date of Analysis: 4/12/10 05:26 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	11	0.028	Not Detected	Not Detected
1,1-Dichloroethene	11	0.044	Not Detected	Not Detected
1,1-Dichloroethane	11	0.044	16	0.065
cis-1,2-Dichloroethene	11	0.044	15	0.059
1,1,1-Trichloroethane	11	0.060	720	3.9
Trichloroethene	11	0.059	3400	18
trans-1,2-Dichloroethene	11	0.044	Not Detected	Not Detected
1,2-Dichloroethane	11	0.044	7.3 J	0.030 J
Tetrachloroethene	11	0.075	60	0.41

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE101D-033110

Lab ID#: 1004097-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041223	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	1.93	Date of Analysis: 4/12/10 07:52 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.96	0.0025	Not Detected	Not Detected
1,1-Dichloroethene	0.96	0.0038	0.50 J	0.0020 J
1,1-Dichloroethane	0.96	0.0039	0.96	0.0039
cis-1,2-Dichloroethene	0.96	0.0038	2.1	0.0085
1,1,1-Trichloroethane	0.96	0.0053	24	0.13
Trichloroethene	0.96	0.0052	300	1.6
trans-1,2-Dichloroethene	0.96	0.0038	Not Detected	Not Detected
1,2-Dichloroethane	0.96	0.0039	0.13 J	0.00054 J
Tetrachloroethene	0.96	0.0065	180	1.2

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE102I-033110

Lab ID#: 1004097-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041222	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	1.69	Date of Analysis: 4/12/10 07:19 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.84	0.0022	Not Detected	Not Detected
1,1-Dichloroethene	0.84	0.0034	Not Detected	Not Detected
1,1-Dichloroethane	0.84	0.0034	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.84	0.0034	Not Detected	Not Detected
1,1,1-Trichloroethane	0.84	0.0046	Not Detected	Not Detected
Trichloroethene	0.84	0.0045	0.71 J	0.0038 J
trans-1,2-Dichloroethene	0.84	0.0034	Not Detected	Not Detected
1,2-Dichloroethane	0.84	0.0034	Not Detected	Not Detected
Tetrachloroethene	0.84	0.0057	0.20 J	0.0014 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE102D-033110

Lab ID#: 1004097-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041224	Date of Collection: 3/31/10 10:00:00 AM
Dil. Factor:	1.75	Date of Analysis: 4/12/10 08:55 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.88	0.0022	Not Detected	Not Detected
1,1-Dichloroethene	0.88	0.0035	Not Detected	Not Detected
1,1-Dichloroethane	0.88	0.0035	0.66 J	0.0027 J
cis-1,2-Dichloroethene	0.88	0.0035	0.35 J	0.0014 J
1,1,1-Trichloroethane	0.88	0.0048	9.7	0.053
Trichloroethene	0.88	0.0047	72	0.39
trans-1,2-Dichloroethene	0.88	0.0035	Not Detected	Not Detected
1,2-Dichloroethane	0.88	0.0035	Not Detected	Not Detected
Tetrachloroethene	0.88	0.0059	4.5	0.031

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE 103I-033110

Lab ID#: 1004097-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041225	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	1.65	Date of Analysis: 4/12/10 09:15 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,1,1-Trichloroethane	0.82	0.0045	Not Detected	Not Detected
Trichloroethene	0.82	0.0044	0.16 J	0.00085 J
trans-1,2-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0056	Not Detected	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: SVE103D-033110

Lab ID#: 1004097-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041226	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	22.7	Date of Analysis: 4/12/10 09:34 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	11	0.029	2.3 J	0.0059 J
1,1-Dichloroethene	11	0.045	Not Detected	Not Detected
1,1-Dichloroethane	11	0.046	17	0.069
cis-1,2-Dichloroethene	11	0.045	390	1.5
1,1,1-Trichloroethane	11	0.062	210	1.1
Trichloroethene	11	0.061	300	1.6
trans-1,2-Dichloroethene	11	0.045	6.0 J	0.024 J
1,2-Dichloroethane	11	0.046	Not Detected	Not Detected
Tetrachloroethene	11	0.077	4100	28

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SVE104I-033110

Lab ID#: 1004097-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041229	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	1.60	Date of Analysis: 4/12/10 11:07 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.80	0.0020	0.18 J	0.00047 J
1,1-Dichloroethene	0.80	0.0032	Not Detected	Not Detected
1,1-Dichloroethane	0.80	0.0032	0.13 J	0.00054 J
cis-1,2-Dichloroethene	0.80	0.0032	3.5	0.014
1,1,1-Trichloroethane	0.80	0.0044	0.76 J	0.0042 J
Trichloroethene	0.80	0.0043	8.2	0.044
trans-1,2-Dichloroethene	0.80	0.0032	Not Detected	Not Detected
1,2-Dichloroethane	0.80	0.0032	Not Detected	Not Detected
Tetrachloroethene	0.80	0.0054	32	0.21

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE104D-033110

Lab ID#: 1004097-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041237	Date of Collection: 3/31/10 10:30:00 AM
Dil. Factor:	33.6	Date of Analysis: 4/13/10 03:57 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	17	0.043	4.8 J	0.012 J
1,1-Dichloroethene	17	0.067	Not Detected	Not Detected
1,1-Dichloroethane	17	0.068	86	0.35
cis-1,2-Dichloroethene	17	0.067	1600	6.6
1,1,1-Trichloroethane	17	0.092	550	3.0
Trichloroethene	17	0.090	1100	6.0
trans-1,2-Dichloroethene	17	0.067	18	0.070
1,2-Dichloroethane	17	0.068	Not Detected	Not Detected
Tetrachloroethene	17	0.11	5800	39

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: SVE105I-033110

Lab ID#: 1004097-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041230	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	1.68	Date of Analysis: 4/12/10 11:32 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.84	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.84	0.0033	Not Detected	Not Detected
1,1-Dichloroethane	0.84	0.0034	1.4	0.0057
cis-1,2-Dichloroethene	0.84	0.0033	1.6	0.0066
1,1,1-Trichloroethane	0.84	0.0046	2.0	0.011
Trichloroethene	0.84	0.0045	12	0.063
trans-1,2-Dichloroethene	0.84	0.0033	Not Detected	Not Detected
1,2-Dichloroethane	0.84	0.0034	Not Detected	Not Detected
Tetrachloroethene	0.84	0.0057	13	0.091

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE105D-033110

Lab ID#: 1004097-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041231	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	1.65	Date of Analysis: 4/12/10 11:58 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.82	0.0021	Not Detected	Not Detected
1,1-Dichloroethene	0.82	0.0033	Not Detected	Not Detected
1,1-Dichloroethane	0.82	0.0033	7.0	0.028
cis-1,2-Dichloroethene	0.82	0.0033	9.2	0.036
1,1,1-Trichloroethane	0.82	0.0045	8.7	0.047
Trichloroethene	0.82	0.0044	13	0.068
trans-1,2-Dichloroethene	0.82	0.0033	0.29 J	0.0011 J
1,2-Dichloroethane	0.82	0.0033	Not Detected	Not Detected
Tetrachloroethene	0.82	0.0056	55	0.38

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE106I-033110

Lab ID#: 1004097-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041235	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	11.9	Date of Analysis: 4/13/10 02:53 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	6.0	0.015	Not Detected	Not Detected
1,1-Dichloroethene	6.0	0.024	Not Detected	Not Detected
1,1-Dichloroethane	6.0	0.024	Not Detected	Not Detected
cis-1,2-Dichloroethene	6.0	0.024	Not Detected	Not Detected
1,1,1-Trichloroethane	6.0	0.032	1.6 J	0.0086 J
Trichloroethene	6.0	0.032	7.6	0.041
trans-1,2-Dichloroethene	6.0	0.024	Not Detected	Not Detected
1,2-Dichloroethane	6.0	0.024	Not Detected	Not Detected
Tetrachloroethene	6.0	0.040	5.1 J	0.035 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVE106D-033110

Lab ID#: 1004097-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041232	Date of Collection: 3/31/10 11:10:00 AM
Dil. Factor:	1.73	Date of Analysis: 4/13/10 01:34 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.86	0.0022	0.61 J	0.0016 J
1,1-Dichloroethene	0.86	0.0034	Not Detected	Not Detected
1,1-Dichloroethane	0.86	0.0035	1.6	0.0063
cis-1,2-Dichloroethene	0.86	0.0034	3.4	0.013
1,1,1-Trichloroethane	0.86	0.0047	5.8	0.032
Trichloroethene	0.86	0.0046	110	0.60
trans-1,2-Dichloroethene	0.86	0.0034	Not Detected	Not Detected
1,2-Dichloroethane	0.86	0.0035	Not Detected	Not Detected
Tetrachloroethene	0.86	0.0059	9.6	0.065

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	95	70-130

Client Sample ID: Lab Blank

Lab ID#: 1004097-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041207a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/12/10 11:23 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (mg/m3)	Amount (ppbv)	Amount (mg/m3)
Vinyl Chloride	0.50	0.0013	Not Detected	Not Detected
1,1-Dichloroethene	0.50	0.0020	Not Detected	Not Detected
1,1-Dichloroethane	0.50	0.0020	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	0.0020	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	0.0027	Not Detected	Not Detected
Trichloroethene	0.50	0.0027	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.50	0.0020	Not Detected	Not Detected
1,2-Dichloroethane	0.50	0.0020	Not Detected	Not Detected
Tetrachloroethene	0.50	0.0034	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: CCV

Lab ID#: 1004097-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/12/10 08:28 AM

Compound	%Recovery
Vinyl Chloride	113
1,1-Dichloroethene	96
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	110
Trichloroethene	104
trans-1,2-Dichloroethene	100
1,2-Dichloroethane	120
Tetrachloroethene	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: LCS

Lab ID#: 1004097-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d041204	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/12/10 08:59 AM

Compound	%Recovery
Vinyl Chloride	116
1,1-Dichloroethene	91
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	110
Trichloroethene	102
trans-1,2-Dichloroethene	104
1,2-Dichloroethane	113
Tetrachloroethene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	95	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 965-1000 FAX (916) 965-1020

Page 1 of 2

Project Manager STAVROS PATSILAS
 Collected by: (Print and Sign) Ben Koutouzas
 Company TECH-TECH LLC Email TECHTECH@TECHTECH.COM
 Address 900 Town Center Dr, Suite 100 City LANHAM State PA Zip 19053
 Phone 215-702-4099 Fax 215-702-4045

Project Info:	Turn Around Time:	Lab Use Only:
P.O. # <u>1055688</u>	<input checked="" type="checkbox"/> Normal	Pressurized by:
Project # <u>106-3570 W04</u>	<input type="checkbox"/> Rush	Date:
Project Name <u>BETHPAGE SITE 2 SUE</u>	specify _____	Pressurization Gas: N ₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	SVETI-033110-1	34388	3/31/10	1215	TO-15	>30	21		
02A	SVETI-033110-2	13856	3/31/10	1250	TO-15	>30	10		
03A	SVETE-033110	22107	3/31/10	1215	TO-15	>30	7		
04A	SVEAMB-033110	33660	3/31/10	1215	TO-15	>30	7.5		
05A	SVE101I-033110	23990	3/31/10	1000	TO-15	29	6		
06A	SVE101D-033110	13846	3/31/10	1000	TO-15	>30	10		
07A	SVE102E-033110	23881	3/31/10	1000	TO-15	>30	7		
08A	SVE102D-033110	33572	3/31/10	1000	TO-15	>30	9		
09A	SVE103I-033110	1307	3/31/10	1030	TO-15	>30	6		
10A	SVE103D-033110	25260	3/31/10	1030	TO-15	>30	9		

Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) <u>K. McKinnon</u> Date/Time <u>4/5/10 9:10</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name: <u>Fellex</u>	Air Bill #: <u>795534574238</u>	Temp (°C): <u>NA</u>	Condition: <u>Good</u>	Custody Seals Intact?: <u>Yes</u> <u>No</u> <u>None</u>	Work Order #: <u>1004097</u>
---------------------	-----------------------------	---------------------------------	----------------------	------------------------	---	------------------------------



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of 2

Project Manager STAVROS PATSULAS
 Collected by: (Print and Sign) BEN KETERAK
 Company TETRA TECH EC Email STAVROS.PATSULAS@TETRA TECH.COM
 Address 8520 TOWN CENTER DRIVE City LANHAM State PA Zip 19053
 Phone 215-202-4099 Fax 215-202-4045

Project Info:	Turn Around Time:	Lab Use Only:
	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	Pressurized by: Date: Pressurization Gas: N ₂ He
P.O. # <u>1055688</u>		
Project # <u>106-3570 W04</u>		
Project Name <u>BOWLING GREEN SVE</u>		

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psit)
11A	SVE104I-033110	14881	3/31/10	1030	TO-15	230	6		
12A	SVE104D-033110	24174	3/31/10	1030	TO-15	230	13		
13A	SVE105I-033110	34384	3/31/10	1110	TO-15	230	7		
14A	SVE105D-033110	34181	3/31/10	1110	TO-15	29	6		
15A	SVE106I-033110	33378	3/31/10	1110	TO-15	230	9		
16A	SVE106D-033110	10978	3/31/10	1110	TO-15	230	8		

Relinquished by: (signature) <u>BEN KETERAK</u> Date/Time <u>4/5/10 9:10</u>	Received by: (signature) <u>[Signature]</u> Date/Time <u>4/5/10 9:10</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name <u>Fedex</u>	Air Bill # <u>7955 3451 4219</u>	Temp (°C) <u>NA</u>	Condition <u>Good</u>	Custody Seals Intact? <u>Yes</u> <input type="checkbox"/> <u>No</u> <input type="checkbox"/> <u>None</u> <input checked="" type="checkbox"/>	Work Order # <u>1004097</u>
--------------	---------------------------	----------------------------------	---------------------	-----------------------	--	-----------------------------

5/12/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1005019

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 5/3/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1005019

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	05/03/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	05/10/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-042910-01	Modified TO-15	7.0 "Hg	5 psi
02A	SVETE-042910	Modified TO-15	12.0 "Hg	5 psi
03A	SVETI-042910-02	Modified TO-15	6.4 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 05/12/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1005019**

Three 6 Liter Summa Canister samples were received on May 03, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-042910-01

Lab ID#: 1005019-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.88	5.8	0.0035	0.023
cis-1,2-Dichloroethene	0.88	46	0.0035	0.18
1,1,1-Trichloroethane	0.88	52	0.0048	0.28
Trichloroethene	0.88	260	0.0047	1.4
Tetrachloroethene	0.88	280	0.0059	1.9

Client Sample ID: SVETE-042910

Lab ID#: 1005019-02A

No Detections Were Found.

Client Sample ID: SVETI-042910-02

Lab ID#: 1005019-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.85	5.9	0.0034	0.024
cis-1,2-Dichloroethene	0.85	46	0.0034	0.18
1,1,1-Trichloroethane	0.85	53	0.0046	0.29
Trichloroethene	0.85	270	0.0046	1.4
Tetrachloroethene	0.85	290	0.0058	2.0

Client Sample ID: SVETI-042910-01

Lab ID#: 1005019-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050506	Date of Collection: 4/29/10 11:12:00 AM
Dil. Factor:	1.75	Date of Analysis: 5/5/10 11:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.88	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.88	Not Detected	0.0035	Not Detected
1,1-Dichloroethane	0.88	5.8	0.0035	0.023
cis-1,2-Dichloroethene	0.88	46	0.0035	0.18
1,1,1-Trichloroethane	0.88	52	0.0048	0.28
Trichloroethene	0.88	260	0.0047	1.4
trans-1,2-Dichloroethene	0.88	Not Detected	0.0035	Not Detected
1,2-Dichloroethane	0.88	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.88	280	0.0059	1.9

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SVETE-042910

Lab ID#: 1005019-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050507	Date of Collection: 4/29/10 11:12:00 AM
Dil. Factor:	2.23	Date of Analysis: 5/5/10 12:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.1	Not Detected	0.0028	Not Detected
1,1-Dichloroethene	1.1	Not Detected	0.0044	Not Detected
1,1-Dichloroethane	1.1	Not Detected	0.0045	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	0.0044	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	0.0061	Not Detected
Trichloroethene	1.1	Not Detected	0.0060	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	0.0044	Not Detected
1,2-Dichloroethane	1.1	Not Detected	0.0045	Not Detected
Tetrachloroethene	1.1	Not Detected	0.0076	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVETI-042910-02

Lab ID#: 1005019-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050509	Date of Collection: 4/29/10 11:45:00 AM
Dil. Factor:	1.70	Date of Analysis: 5/5/10 02:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.85	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.85	Not Detected	0.0034	Not Detected
1,1-Dichloroethane	0.85	5.9	0.0034	0.024
cis-1,2-Dichloroethene	0.85	46	0.0034	0.18
1,1,1-Trichloroethane	0.85	53	0.0046	0.29
Trichloroethene	0.85	270	0.0046	1.4
trans-1,2-Dichloroethene	0.85	Not Detected	0.0034	Not Detected
1,2-Dichloroethane	0.85	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.85	290	0.0058	2.0

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: Lab Blank

Lab ID#: 1005019-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050505a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/10 10:57 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: CCV

Lab ID#: 1005019-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/10 08:34 AM

Compound	%Recovery
Vinyl Chloride	103
1,1-Dichloroethene	98
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	103
Trichloroethene	105
trans-1,2-Dichloroethene	103
1,2-Dichloroethane	104
Tetrachloroethene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: LCS

Lab ID#: 1005019-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p050503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/10 09:53 AM

Compound	%Recovery
Vinyl Chloride	110
1,1-Dichloroethene	94
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	104
1,1,1-Trichloroethane	104
Trichloroethene	106
trans-1,2-Dichloroethene	108
1,2-Dichloroethane	100
Tetrachloroethene	115

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARGEON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRA
 Address 820 TOWN CENTER DR STE 120 City LANGHORNE State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHABE SITE 1</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
--	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	SVETI-042910-01	11034	4/29/10	11:12AM	TO-15	730	8		
02A	SVETE-042910	5550	4/29/10	11:12AM	TO-15	730	13		
03A	SVETI-042910-02	00000 2389	4/29/10	11:45AM	TO-15	730	8		

Relinquished by: (signature) Date/Time <u>Brad Baillargeon</u> 4/29/10 12:15 PM	Received by: (signature) Date/Time <u>K. McKinnan ADL</u> 5/3/10 8:55	Notes:
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Fidel</u>	<u>6655 5959 5557</u>	<u>NA</u>	<u>good</u>	Yes No <u>None</u>	<u>1005010</u>

6/17/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: BETHPAGE SITE 1
Project #: 106-3570 WO4
Workorder #: 1006011

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 6/1/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1006011

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 WO4 BETHPAGE SITE 1
DATE RECEIVED:	06/01/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	06/15/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVETI-052710-01	Modified TO-15	6.2 "Hg	5 psi
02A	SVETE-052710	Modified TO-15	7.6 "Hg	5 psi
03A	SVETI-052710-02	Modified TO-15	27.0 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
04B	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
05B	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06B	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 06/17/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1006011**

Three 6 Liter Summa Canister samples were received on June 01, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	<= 30% Difference	<= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample SVETI-052710-02 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for some target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. The only target compound that met specific project requirements for data inclusion below the Reporting Limit was trans-1,2-Dichloroethene in sample SVETI-052710-01. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-052710-01

Lab ID#: 1006011-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.2	11	0.0050	0.043
cis-1,2-Dichloroethene	1.2	130	0.0050	0.52
1,1,1-Trichloroethane	1.2	81	0.0068	0.44
Trichloroethene	1.2	340	0.0067	1.8
trans-1,2-Dichloroethene	1.2	1.2 J	0.0050	0.0048 J
Tetrachloroethene	1.2	400	0.0085	2.7

Client Sample ID: SVETE-052710

Lab ID#: 1006011-02A

No Detections Were Found.

Client Sample ID: SVETI-052710-02

Lab ID#: 1006011-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	6.7	9.0	0.027	0.036
cis-1,2-Dichloroethene	6.7	100	0.026	0.41
1,1,1-Trichloroethane	6.7	58	0.036	0.32
Trichloroethene	6.7	260	0.036	1.4
Tetrachloroethene	6.7	320	0.045	2.2

Client Sample ID: SVETI-052710-01

Lab ID#: 1006011-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061215	Date of Collection: 5/27/10 9:30:00 AM
Dil. Factor:	2.50	Date of Analysis: 6/12/10 08:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.2	Not Detected	0.0032	Not Detected
1,1-Dichloroethene	1.2	Not Detected	0.0050	Not Detected
1,1-Dichloroethane	1.2	11	0.0050	0.043
cis-1,2-Dichloroethene	1.2	130	0.0050	0.52
1,1,1-Trichloroethane	1.2	81	0.0068	0.44
Trichloroethene	1.2	340	0.0067	1.8
trans-1,2-Dichloroethene	1.2	1.2 J	0.0050	0.0048 J
1,2-Dichloroethane	1.2	Not Detected	0.0050	Not Detected
Tetrachloroethene	1.2	400	0.0085	2.7

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SVETE-052710

Lab ID#: 1006011-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061212	Date of Collection: 5/27/10 9:30:00 AM
Dil. Factor:	1.79	Date of Analysis: 6/13/10 11:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.90	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.90	Not Detected	0.0035	Not Detected
1,1-Dichloroethane	0.90	Not Detected	0.0036	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	0.0035	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	0.0049	Not Detected
Trichloroethene	0.90	Not Detected	0.0048	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	0.0035	Not Detected
1,2-Dichloroethane	0.90	Not Detected	0.0036	Not Detected
Tetrachloroethene	0.90	Not Detected	0.0061	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: SVETI-052710-02

Lab ID#: 1006011-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061211	Date of Collection: 5/27/10 10:00:00 AM
Dil. Factor:	13.4	Date of Analysis: 6/13/10 11:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.7	Not Detected	0.017	Not Detected
1,1-Dichloroethene	6.7	Not Detected	0.026	Not Detected
1,1-Dichloroethane	6.7	9.0	0.027	0.036
cis-1,2-Dichloroethene	6.7	100	0.026	0.41
1,1,1-Trichloroethane	6.7	58	0.036	0.32
Trichloroethene	6.7	260	0.036	1.4
trans-1,2-Dichloroethene	6.7	Not Detected	0.026	Not Detected
1,2-Dichloroethane	6.7	Not Detected	0.027	Not Detected
Tetrachloroethene	6.7	320	0.045	2.2

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006011-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061206c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 12:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006011-04B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061206c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/13/10 08:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: CCV

Lab ID#: 1006011-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:09 AM

Compound	%Recovery
Vinyl Chloride	93
1,1-Dichloroethene	96
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	104
Trichloroethene	96
trans-1,2-Dichloroethene	89
1,2-Dichloroethane	102
Tetrachloroethene	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: CCV

Lab ID#: 1006011-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:24 PM

Compound	%Recovery
Vinyl Chloride	92
1,1-Dichloroethene	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	103
Trichloroethene	95
trans-1,2-Dichloroethene	91
1,2-Dichloroethane	97
Tetrachloroethene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: LCS

Lab ID#: 1006011-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	x061203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:58 AM

Compound	%Recovery
Vinyl Chloride	100
1,1-Dichloroethene	89
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	90
1,1,1-Trichloroethane	107
Trichloroethene	100
trans-1,2-Dichloroethene	92
1,2-Dichloroethane	103
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: LCS

Lab ID#: 1006011-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3061203	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/12/10 09:48 PM

Compound	%Recovery
Vinyl Chloride	100
1,1-Dichloroethene	86
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	99
Trichloroethene	94
trans-1,2-Dichloroethene	92
1,2-Dichloroethane	95
Tetrachloroethene	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	105	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARGEON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRA
 Address 820 TOWN CENTER DR City LANGHORNE State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHPAGE SITE 1</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
---	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	SVETI-052710-01	1226	5/27/10	0930	TO-15	>30	6		
02A	SVETE-052710	14006	5/27/10	0930	TO-15	>30	9		
03A	SVETI-052710-02	1282	5/27/10	1000	TO-15	>30	29		

Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>5/27/10 1000</u>	Received by: (signature) <u>Monica Green AR</u> Date/Time <u>6/1/10 850</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Jed Ex</u>	<u>8655 5959 5535</u>	<u>NA</u>	<u>Good</u>	Yes No <u>None</u>	<u>1006011</u>

6/28/2010

Mr. Stavros Patselas
Tetra Tech EC, Inc.
Bucktown Corporate Campus
820 Town Center Dr. Suite 100
Langhorne PA 19047

Project Name: Bethpage Site 1
Project #: 106-3570 W04
Workorder #: 1006278

Dear Mr. Stavros Patselas

The following report includes the data for the above referenced project for sample(s) received on 6/11/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1006278

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	06/11/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	06/27/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVE TI-060910-1	Modified TO-15	5.0 "Hg	5 psi
01AA	SVE TI-060910-1 Lab Duplicate	Modified TO-15	5.0 "Hg	5 psi
02A	SVE TE-060910	Modified TO-15	6.0 "Hg	5 psi
03A	SVE101I-060910	Modified TO-15	5.0 "Hg	5 psi
04A	SVE101D-060910	Modified TO-15	6.5 "Hg	5 psi
04AA	SVE101D-060910 Lab Duplicate	Modified TO-15	6.5 "Hg	5 psi
05A	SVE102I-060910	Modified TO-15	6.0 "Hg	5 psi
06A	SVE102D-060910	Modified TO-15	6.0 "Hg	5 psi
07A	SVE103I-060910	Modified TO-15	5.5 "Hg	5 psi
08A	SVE103D-060910	Modified TO-15	6.5 "Hg	5 psi
09A	SVE104I-060910	Modified TO-15	6.0 "Hg	5 psi
10A	SVE104D-060910	Modified TO-15	5.0 "Hg	5 psi
11A	SVE105I-060910	Modified TO-15	6.0 "Hg	5 psi
12A	SVE105D-060910	Modified TO-15	7.0 "Hg	5 psi
13A	SVE106I-060910	Modified TO-15	7.8 "Hg	5 psi
14A	SVE106D-060910	Modified TO-15	6.0 "Hg	5 psi
15A	SVETI-060910-2	Modified TO-15	6.0 "Hg	5 psi

Continued on next page

WORK ORDER #: 1006278

Work Order Summary

CLIENT:	Mr. Stavros Patselas Tetra Tech EC, Inc. Bucktown Corporate Campus 820 Town Center Dr. Suite 100 Langhorne, PA 19047	BILL TO:	Debbie Risbrook Tetra Tech EC, Inc. 1000 The American Road Morris Plains, NJ 07950
PHONE:	215-702-4099	P.O. #	1055688
FAX:	215-702-4045	PROJECT #	106-3570 W04 Bethpage Site 1
DATE RECEIVED:	06/11/2010	CONTACT:	Ausha Scott
DATE COMPLETED:	06/27/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
16A	Lab Blank	Modified TO-15	NA	NA
16B	Lab Blank	Modified TO-15	NA	NA
16C	Lab Blank	Modified TO-15	NA	NA
17A	CCV	Modified TO-15	NA	NA
17B	CCV	Modified TO-15	NA	NA
17C	CCV	Modified TO-15	NA	NA
18A	LCS	Modified TO-15	NA	NA
18B	LCS	Modified TO-15	NA	NA
18C	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 06/28/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
Modified TO-15
Tetra Tech EC, Inc.
Workorder# 1006278**

Fifteen 6 Liter Summa Canister samples were received on June 11, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE TI-060910-1

Lab ID#: 1006278-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.8	12	0.0072	0.049
cis-1,2-Dichloroethene	1.8	110	0.0071	0.43
1,1,1-Trichloroethane	1.8	74	0.0098	0.40
Trichloroethene	1.8	400	0.0096	2.2
trans-1,2-Dichloroethene	1.8	0.90 J	0.0071	0.0036 J
Tetrachloroethene	1.8	500	0.012	3.4

Client Sample ID: SVE TI-060910-1 Lab Duplicate

Lab ID#: 1006278-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	2.0	12	0.0081	0.048
cis-1,2-Dichloroethene	2.0	100	0.0080	0.40
1,1,1-Trichloroethane	2.0	72	0.011	0.39
Trichloroethene	2.0	390	0.011	2.1
trans-1,2-Dichloroethene	2.0	0.95 J	0.0080	0.0038 J
Tetrachloroethene	2.0	480	0.014	3.2

Client Sample ID: SVE TE-060910

Lab ID#: 1006278-02A

No Detections Were Found.

Client Sample ID: SVE101I-060910

Lab ID#: 1006278-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	6.4	8.5	0.026	0.034
1,1,1-Trichloroethane	6.4	480	0.035	2.6
Trichloroethene	6.4	2600	0.035	14
Tetrachloroethene	6.4	38	0.044	0.26

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE101D-060910

Lab ID#: 1006278-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	0.86	1.9	0.0034	0.0075
1,1,1-Trichloroethane	0.86	9.8	0.0047	0.053
Trichloroethene	0.86	58	0.0046	0.31
Tetrachloroethene	0.86	180	0.0058	1.2

Client Sample ID: SVE101D-060910 Lab Duplicate

Lab ID#: 1006278-04AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	1.4	1.9	0.0056	0.0077
1,1,1-Trichloroethane	1.4	9.7	0.0078	0.053
Trichloroethene	1.4	57	0.0076	0.31
Tetrachloroethene	1.4	190	0.0097	1.3

Client Sample ID: SVE102I-060910

Lab ID#: 1006278-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	0.84	2.4	0.0046	0.013
Trichloroethene	0.84	56	0.0045	0.30
Tetrachloroethene	0.84	2.6	0.0057	0.017

Client Sample ID: SVE102D-060910

Lab ID#: 1006278-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1,1-Trichloroethane	0.84	2.5	0.0046	0.014
Trichloroethene	0.84	36	0.0045	0.19
Tetrachloroethene	0.84	4.6	0.0057	0.031

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE103I-060910

Lab ID#: 1006278-07A

No Detections Were Found.

Client Sample ID: SVE103D-060910

Lab ID#: 1006278-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	6.8	93	0.027	0.37
1,1,1-Trichloroethane	6.8	42	0.037	0.23
Trichloroethene	6.8	120	0.037	0.64
Tetrachloroethene	6.8	2400	0.046	16

Client Sample ID: SVE104I-060910

Lab ID#: 1006278-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Trichloroethene	0.84	11	0.0045	0.060
Tetrachloroethene	0.84	10	0.0057	0.068

Client Sample ID: SVE104D-060910

Lab ID#: 1006278-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	8.0	34	0.032	0.14
cis-1,2-Dichloroethene	8.0	890	0.032	3.5
1,1,1-Trichloroethane	8.0	160	0.044	0.86
Trichloroethene	8.0	440	0.043	2.4
trans-1,2-Dichloroethene	8.0	7.7 J	0.032	0.030 J
Tetrachloroethene	8.0	3100	0.055	21

Client Sample ID: SVE105I-060910

Lab ID#: 1006278-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
-----------------	--------------------------	----------------------	---------------------------	-----------------------

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE105I-060910

Lab ID#: 1006278-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.84	3.2	0.0034	0.013
cis-1,2-Dichloroethene	0.84	5.1	0.0033	0.020
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.029
Trichloroethene	0.84	68	0.0045	0.37
trans-1,2-Dichloroethene	0.84	0.39 J	0.0033	0.0016 J
Tetrachloroethene	0.84	35	0.0057	0.24

Client Sample ID: SVE105D-060910

Lab ID#: 1006278-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	0.88	66	0.0035	0.27
cis-1,2-Dichloroethene	0.88	22	0.0035	0.085
1,1,1-Trichloroethane	0.88	60	0.0048	0.32
Trichloroethene	0.88	38	0.0047	0.20
trans-1,2-Dichloroethene	0.88	0.79 J	0.0035	0.0031 J
Tetrachloroethene	0.88	95	0.0059	0.65

Client Sample ID: SVE106I-060910

Lab ID#: 1006278-13A

No Detections Were Found.

Client Sample ID: SVE106D-060910

Lab ID#: 1006278-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
cis-1,2-Dichloroethene	0.84	2.9	0.0033	0.011
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.030
Trichloroethene	0.84	170	0.0045	0.90
Tetrachloroethene	0.84	10	0.0057	0.070

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVETI-060910-2

Lab ID#: 1006278-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
1,1-Dichloroethane	1.9	13	0.0075	0.054
cis-1,2-Dichloroethene	1.9	120	0.0074	0.47
1,1,1-Trichloroethane	1.9	80	0.010	0.43
Trichloroethene	1.9	400	0.010	2.1
trans-1,2-Dichloroethene	1.9	1.0 J	0.0074	0.0041 J
Tetrachloroethene	1.9	540	0.013	3.7

Client Sample ID: SVE TI-060910-1

Lab ID#: 1006278-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062010	Date of Collection: 6/9/10 12:30:00 PM
Dil. Factor:	3.58	Date of Analysis: 6/20/10 02:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.8	Not Detected	0.0046	Not Detected
1,1-Dichloroethene	1.8	Not Detected	0.0071	Not Detected
1,1-Dichloroethane	1.8	12	0.0072	0.049
cis-1,2-Dichloroethene	1.8	110	0.0071	0.43
1,1,1-Trichloroethane	1.8	74	0.0098	0.40
Trichloroethene	1.8	400	0.0096	2.2
trans-1,2-Dichloroethene	1.8	0.90 J	0.0071	0.0036 J
1,2-Dichloroethane	1.8	Not Detected	0.0072	Not Detected
Tetrachloroethene	1.8	500	0.012	3.4

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE TI-060910-1 Lab Duplicate

Lab ID#: 1006278-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062008	Date of Collection: 6/9/10 12:30:00 PM
Dil. Factor:	4.02	Date of Analysis: 6/20/10 01:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	2.0	Not Detected	0.0051	Not Detected
1,1-Dichloroethene	2.0	Not Detected	0.0080	Not Detected
1,1-Dichloroethane	2.0	12	0.0081	0.048
cis-1,2-Dichloroethene	2.0	100	0.0080	0.40
1,1,1-Trichloroethane	2.0	72	0.011	0.39
Trichloroethene	2.0	390	0.011	2.1
trans-1,2-Dichloroethene	2.0	0.95 J	0.0080	0.0038 J
1,2-Dichloroethane	2.0	Not Detected	0.0081	Not Detected
Tetrachloroethene	2.0	480	0.014	3.2

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE TE-060910

Lab ID#: 1006278-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062009	Date of Collection: 6/9/10 12:30:00 PM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 01:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	0.0046	Not Detected
Trichloroethene	0.84	Not Detected	0.0045	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	Not Detected	0.0057	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SVE101I-060910

Lab ID#: 1006278-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062109	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	12.9	Date of Analysis: 6/21/10 03:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.4	Not Detected	0.016	Not Detected
1,1-Dichloroethene	6.4	Not Detected	0.026	Not Detected
1,1-Dichloroethane	6.4	8.5	0.026	0.034
cis-1,2-Dichloroethene	6.4	Not Detected	0.026	Not Detected
1,1,1-Trichloroethane	6.4	480	0.035	2.6
Trichloroethene	6.4	2600	0.035	14
trans-1,2-Dichloroethene	6.4	Not Detected	0.026	Not Detected
1,2-Dichloroethane	6.4	Not Detected	0.026	Not Detected
Tetrachloroethene	6.4	38	0.044	0.26

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE101D-060910

Lab ID#: 1006278-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062013	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	1.71	Date of Analysis: 6/20/10 04:42 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.86	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,1-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
cis-1,2-Dichloroethene	0.86	1.9	0.0034	0.0075
1,1,1-Trichloroethane	0.86	9.8	0.0047	0.053
Trichloroethene	0.86	58	0.0046	0.31
trans-1,2-Dichloroethene	0.86	Not Detected	0.0034	Not Detected
1,2-Dichloroethane	0.86	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.86	180	0.0058	1.2

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: SVE101D-060910 Lab Duplicate

Lab ID#: 1006278-04AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062011	Date of Collection:	6/9/10 10:57:00 AM
Dil. Factor:	2.85	Date of Analysis:	6/20/10 03:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.4	Not Detected	0.0036	Not Detected
1,1-Dichloroethene	1.4	Not Detected	0.0056	Not Detected
1,1-Dichloroethane	1.4	Not Detected	0.0058	Not Detected
cis-1,2-Dichloroethene	1.4	1.9	0.0056	0.0077
1,1,1-Trichloroethane	1.4	9.7	0.0078	0.053
Trichloroethene	1.4	57	0.0076	0.31
trans-1,2-Dichloroethene	1.4	Not Detected	0.0056	Not Detected
1,2-Dichloroethane	1.4	Not Detected	0.0058	Not Detected
Tetrachloroethene	1.4	190	0.0097	1.3

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVE102I-060910

Lab ID#: 1006278-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062012	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 04:01 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	2.4	0.0046	0.013
Trichloroethene	0.84	56	0.0045	0.30
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	2.6	0.0057	0.017

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SVE102D-060910

Lab ID#: 1006278-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062014	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 05:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	2.5	0.0046	0.014
Trichloroethene	0.84	36	0.0045	0.19
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	4.6	0.0057	0.031

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SVE103I-060910

Lab ID#: 1006278-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062015	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	1.64	Date of Analysis: 6/20/10 06:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.82	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.82	Not Detected	0.0032	Not Detected
1,1-Dichloroethane	0.82	Not Detected	0.0033	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	0.0032	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	0.0045	Not Detected
Trichloroethene	0.82	Not Detected	0.0044	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	0.0032	Not Detected
1,2-Dichloroethane	0.82	Not Detected	0.0033	Not Detected
Tetrachloroethene	0.82	Not Detected	0.0056	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SVE103D-060910

Lab ID#: 1006278-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062111	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	13.7	Date of Analysis: 6/21/10 04:42 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	6.8	Not Detected	0.018	Not Detected
1,1-Dichloroethene	6.8	Not Detected	0.027	Not Detected
1,1-Dichloroethane	6.8	Not Detected	0.028	Not Detected
cis-1,2-Dichloroethene	6.8	93	0.027	0.37
1,1,1-Trichloroethane	6.8	42	0.037	0.23
Trichloroethene	6.8	120	0.037	0.64
trans-1,2-Dichloroethene	6.8	Not Detected	0.027	Not Detected
1,2-Dichloroethane	6.8	Not Detected	0.028	Not Detected
Tetrachloroethene	6.8	2400	0.046	16

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: SVE104I-060910

Lab ID#: 1006278-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062016	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 06:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	0.0046	Not Detected
Trichloroethene	0.84	11	0.0045	0.060
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	10	0.0057	0.068

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: SVE104D-060910

Lab ID#: 1006278-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062117	Date of Collection: 6/9/10 10:57:00 AM
Dil. Factor:	16.1	Date of Analysis: 6/21/10 09:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	8.0	Not Detected	0.020	Not Detected
1,1-Dichloroethene	8.0	Not Detected	0.032	Not Detected
1,1-Dichloroethane	8.0	34	0.032	0.14
cis-1,2-Dichloroethene	8.0	890	0.032	3.5
1,1,1-Trichloroethane	8.0	160	0.044	0.86
Trichloroethene	8.0	440	0.043	2.4
trans-1,2-Dichloroethene	8.0	7.7 J	0.032	0.030 J
1,2-Dichloroethane	8.0	Not Detected	0.032	Not Detected
Tetrachloroethene	8.0	3100	0.055	21

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: SVE105I-060910

Lab ID#: 1006278-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062017	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 07:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	3.2	0.0034	0.013
cis-1,2-Dichloroethene	0.84	5.1	0.0033	0.020
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.029
Trichloroethene	0.84	68	0.0045	0.37
trans-1,2-Dichloroethene	0.84	0.39 J	0.0033	0.0016 J
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	35	0.0057	0.24

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: SVE105D-060910

Lab ID#: 1006278-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062018	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.75	Date of Analysis: 6/20/10 08:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.88	Not Detected	0.0022	Not Detected
1,1-Dichloroethene	0.88	Not Detected	0.0035	Not Detected
1,1-Dichloroethane	0.88	66	0.0035	0.27
cis-1,2-Dichloroethene	0.88	22	0.0035	0.085
1,1,1-Trichloroethane	0.88	60	0.0048	0.32
Trichloroethene	0.88	38	0.0047	0.20
trans-1,2-Dichloroethene	0.88	0.79 J	0.0035	0.0031 J
1,2-Dichloroethane	0.88	Not Detected	0.0035	Not Detected
Tetrachloroethene	0.88	95	0.0059	0.65

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SVE106I-060910

Lab ID#: 1006278-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062321	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.81	Date of Analysis: 6/23/10 11:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.90	Not Detected	0.0023	Not Detected
1,1-Dichloroethene	0.90	Not Detected	0.0036	Not Detected
1,1-Dichloroethane	0.90	Not Detected	0.0037	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	0.0036	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	0.0049	Not Detected
Trichloroethene	0.90	Not Detected	0.0049	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	0.0036	Not Detected
1,2-Dichloroethane	0.90	Not Detected	0.0037	Not Detected
Tetrachloroethene	0.90	Not Detected	0.0061	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	121	70-130

Client Sample ID: SVE106D-060910

Lab ID#: 1006278-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062019	Date of Collection: 6/9/10 11:39:00 AM
Dil. Factor:	1.68	Date of Analysis: 6/20/10 08:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.84	Not Detected	0.0021	Not Detected
1,1-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,1-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
cis-1,2-Dichloroethene	0.84	2.9	0.0033	0.011
1,1,1-Trichloroethane	0.84	5.4	0.0046	0.030
Trichloroethene	0.84	170	0.0045	0.90
trans-1,2-Dichloroethene	0.84	Not Detected	0.0033	Not Detected
1,2-Dichloroethane	0.84	Not Detected	0.0034	Not Detected
Tetrachloroethene	0.84	10	0.0057	0.070

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: SVETI-060910-2

Lab ID#: 1006278-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062020	Date of Collection: 6/9/10 1:01:00 PM
Dil. Factor:	3.73	Date of Analysis: 6/20/10 09:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	1.9	Not Detected	0.0048	Not Detected
1,1-Dichloroethene	1.9	Not Detected	0.0074	Not Detected
1,1-Dichloroethane	1.9	13	0.0075	0.054
cis-1,2-Dichloroethene	1.9	120	0.0074	0.47
1,1,1-Trichloroethane	1.9	80	0.010	0.43
Trichloroethene	1.9	400	0.010	2.1
trans-1,2-Dichloroethene	1.9	1.0 J	0.0074	0.0041 J
1,2-Dichloroethane	1.9	Not Detected	0.0075	Not Detected
Tetrachloroethene	1.9	540	0.013	3.7

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006278-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062007a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/20/10 12:01 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006278-16B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062108a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/21/10 02:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: Lab Blank

Lab ID#: 1006278-16C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062311	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/23/10 01:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (mg/m3)	Amount (mg/m3)
Vinyl Chloride	0.50	Not Detected	0.0013	Not Detected
1,1-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	0.0027	Not Detected
Trichloroethene	0.50	Not Detected	0.0027	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	0.0020	Not Detected
1,2-Dichloroethane	0.50	Not Detected	0.0020	Not Detected
Tetrachloroethene	0.50	Not Detected	0.0034	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	108	70-130

Client Sample ID: CCV

Lab ID#: 1006278-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/20/10 08:59 AM

Compound	%Recovery
Vinyl Chloride	117
1,1-Dichloroethene	116
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	96
1,1,1-Trichloroethane	111
Trichloroethene	104
trans-1,2-Dichloroethene	102
1,2-Dichloroethane	122
Tetrachloroethene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	115	70-130

Client Sample ID: CCV

Lab ID#: 1006278-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062104	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/21/10 11:16 AM

Compound	%Recovery
Vinyl Chloride	114
1,1-Dichloroethene	115
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	106
Trichloroethene	104
trans-1,2-Dichloroethene	103
1,2-Dichloroethane	121
Tetrachloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: CCV

Lab ID#: 1006278-17C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062307	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/23/10 10:58 AM

Compound	%Recovery
Vinyl Chloride	90
1,1-Dichloroethene	101
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	100
Trichloroethene	99
trans-1,2-Dichloroethene	105
1,2-Dichloroethane	92
Tetrachloroethene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: LCS

Lab ID#: 1006278-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/20/10 09:37 AM

Compound	%Recovery
Vinyl Chloride	103
1,1-Dichloroethene	102
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	115
Trichloroethene	108
trans-1,2-Dichloroethene	100
1,2-Dichloroethane	123
Tetrachloroethene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	114	70-130

Client Sample ID: LCS

Lab ID#: 1006278-18B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	2062105	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/21/10 11:54 AM

Compound	%Recovery
Vinyl Chloride	104
1,1-Dichloroethene	102
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	101
1,1,1-Trichloroethane	114
Trichloroethene	109
trans-1,2-Dichloroethene	102
1,2-Dichloroethane	117
Tetrachloroethene	110

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: LCS

Lab ID#: 1006278-18C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	d062308	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/23/10 11:37 AM

Compound	%Recovery
Vinyl Chloride	86
1,1-Dichloroethene	93
1,1-Dichloroethane	94
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	98
Trichloroethene	98
trans-1,2-Dichloroethene	106
1,2-Dichloroethane	91
Tetrachloroethene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	109	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARGEON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRA TECH.COM
 Address 820 TOWN CENTER DR. STE 100 City LANGHORN PA State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info:
 P.O. # 1055688
 Project # 106-3570 W04
 Project Name BETHPAGE SITE 1

Turn Around Time:
 Normal
 Rush
specify
 Lab Use Only
 Pressurized by:
 Date:
 Pressurization Gas:
 N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	SVE TE-060910-1	34265	6/9/10	1230	TO-15	>30	7		
02A	SVE TE-060910	2344	6/9/10	1230	TO-15	>30	7		
03A	SVE 101I-060910	2000	6/9/10	1057	TO-15	>30	7		
04A	SVE 101D-060910	433	6/9/10	1057	TO-15	>30	8		
05A	SVE 102E-060910	1793	6/9/10	1139	TO-15	>30	17		
06A	SVE 102D-060910	2324	6/9/10	1139	TO-15	>30	9		
07A	SVE 103I-060910	9420	6/9/10	1057	TO-15	>30	8		
08A	SVE 103D-060910	2356	6/9/10	1057	TO-15	>30	8		
09A	SVE 104I-060910	3949	6/9/10	1057	TO-15	>30	8		
10A	SVE 104D-060910	3157	6/9/10	1057	TO-15	>30	6		

Relinquished by: (signature) <u>Brad Baillargeon</u> Date/Time <u>6/9/10 1330</u>	Received by: (signature) <u>[Signature]</u> Date/Time <u>6/11/10 910</u>	Notes: ONE CANISTER HAD FAULTY THREADS, PLEASE ANALYZE ONLY 15 CANS
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Fedex</u>		<u>max</u>	<u>good</u>	Yes No <u>None</u>	<u>1006278</u>



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of 2

Project Manager STAVROS PATSELAS
 Collected by: (Print and Sign) BRAD BAILLARGEON
 Company TETRA TECH Email STAVROS.PATSELAS@TETRATECH.COM
 Address 820 TOWN CENTER DR STE 100 City LANCASHIRE State PA Zip 19047
 Phone (215) 702-4099 Fax (215) 702-4045

Project Info: P.O. # <u>1055688</u> Project # <u>106-3570 W04</u> Project Name <u>BETHPAGE SITE 1</u>	Turn Around Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <small>specify</small>	<small>Lab Use Only</small> Pressurized by: Date: Pressurization Gas: N ₂ He
---	---	---

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
11A	SV2105I-060910	94303	6/9/10	1139	T0-15	>30	10		
12A	SV2105D-060910	1073	6/9/10	1139	T0-15	>30	10		
13A	SV2106I-060910	3420	6/9/10	1139	T0-15	>30	8		
14A	SV2106D-060910	2008	6/9/10	1139	T0-15	>30	8		
15A	SV2106I-060910-2	14866	6/9/10	1301	T0-15	>30	137		

Relinquished by: (signature) Date/Time <u>Brad Baillargeon</u> 6/9/10 13:30	Received by: (signature) Date/Time <u>Stavros Patseles</u> 6/11/10 9:10	Notes:
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Fedex</u>		<u>NA</u>	<u>good</u>	Yes No <u>None</u>	<u>1006278</u>

Appendix C
Operational Data

Flow & Pressure @ Flowmeter

Date	Flowrate FQIT-101 (SCFM)	Vacuum PI-102 (in H2O)	Shutdown*
1/14/2010	385	38	
1/26/2010	358	37	
2/18/2010	215	36	
3/4/2010	162	34	
3/19/2010	315	29	O
4/1/2010	320	34	
4/15/2010	275	37**	HV
4/29/2010	323	32	O
5/4/2010	227	37	
5/13/2010	427***	34	
5/27/2010	420	33	
6/9/2010	435	31	
6/28/2010	421	25	

*O = Overload Protection, no alarm

HV = High Vacuum, yes alarm

**Needle Oscillating

***Velocity Probe: 500 SCFM

Flow & Pressure @ Wells

Pipe Diame 2 in
 0.167 ft
 Pipe Area 0.022 ft²

These values are only known on specific dates when velocity probe was rented

Date	PRESSURES (in. H2O)				MAX VELOCITIES				FLOWRATES (CFM)				FLOWRATE/PRESSURE RATIO (CFM / IN H2O)					
	12/9/09	3/4/2010	5/13/2010		(ft/min)	(m/s)	(ft/min)		12/9/2009	3/4/2010	5/13/2010		12/9/2009	3/4/2010	5/13/2010		Avg	Range
	SVE-101I	4.900	4	8		1780	10.7	2950		19.4	23.0	32.2		4.0	5.7	4.0		4.6
SVE-101D	22.000	9	27		2380	10.3	3050		26.0	22.1	33.3		1.2	2.5	1.2		1.6	1.3
SVE-102I	5.500	3	9		4500	9.5	4200		49.1	20.4	45.8		8.9	6.8	5.1		6.9	3.8
SVE-102D	21.000	8	27		4120	8.9	2560		44.9	19.1	27.9		2.1	2.4	1.0		1.9	1.4
SVE-103I	4.500	3.5	8		1550	9.8	1800		16.9	21.0	19.6		3.8	6.0	2.5		4.1	3.6
SVE-103D	23.000	14	25		680	14	280		7.4	30.1	3.1		0.3	2.1	0.1		0.9	2.0
SVE-104I	4.800	3	8		1300	11.3	1500		14.2	24.3	16.4		3.0	8.1	2.0		4.4	6.0
SVE-104D	22.000	11	26		3100	9.9	2800		33.8	21.3	30.5		1.5	1.9	1.2		1.5	0.8
SVE-105I	4.800	2	8		1450	12.7	1780		15.8	27.3	19.4		3.3	13.6	2.4		6.5	11.2
SVE-105D	22.000	6	24		2610	14	2350		28.5	30.1	25.6		1.3	5.0	1.1		2.5	3.9
SVE-106I	4.500		30		1100	2.2	200		12.0	4.7	2.2		2.7		0.1		1.4	2.6
SVE-106D	22.000	21	28		3050	15.8	2800		33.3	33.9	30.5		1.5	1.6	1.1		1.4	0.5
TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	301	277	287							
FQIT-101	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	162	427							

SVPM Readings

	1/13/2010 <i>Vacuum (i.w.)</i>	1/26/2010 <i>Vacuum (i.w.)</i>	3/4/2010 <i>Vacuum (i.w.)</i>	4/15/2010 <i>Vacuum (i.w.)</i>	5/13/2010 <i>Vacuum (i.w.)</i>	5/27/2010 <i>Vacuum (i.w.)</i>	6/18/2010 <i>Vacuum (i.w.)</i>
SVPM-2002-S	0.08	0.08	0.05	0.06	0.06	0.12	0.04
SVPM-2002-I	0.14	0.1	0.1	0.12	0.06	0.21	0.04
SVPM-2002-D	0.2	0.16	0.1	0.1	0.08	0.25	0.04
SVPM-2003-I	0.05	0.04	0	0.04	0	0.1	0.02
SVPM-2003-D	0.05	0.04	0	0.04	0.04	0.08	0.1
SVPM-2004-I	0.04	0.06	0.05	0.06	0.05	0.1	0.02
SVPM-2004-D	0	0	0	0.04	0.02	0.04	0.04
SVPM-2007-I	0.01	0	0	0.03	0.03	0.02	0.02
SVPM-2007-D	0.02	0	0	0.02	0.04	0	0.02
Barometric Pressure (in Hg)*	30.15	29.7	29.65	30.25	30.3	29.85	29.6
Wind*	8 (NW)	9 mph (W)	10 mph (NNW)	6 mph (NNW)	7 mph (N)	5 mph (SE)	15 mph (SW)

*From www.wunderground.com

