QUARTERLY MONITORING REPORT
ACTIVE TREATMENT SYSTEMS
FOURTH QUARTER 2005

AMERICAN CHEMICAL SERVICE NPL SITE
GRIFFITH, INDIANA

MWH File No. 2090601

Prepared For:

American Chemical Service NPL Site RD/RA Executive Committee
Griffith, Indiana

Prepared By:

MWH Americas, Inc.
175 West Jackson Boulevard, Suite 1900
Chicago, Illinois 60604

April 2006

MWH

EPA Region 5 Records Ctr.
258672

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American Chemical Service NPL Site RD/RA Executive Committee
Griffith, Indiana

Prepared by: _____ April 13, 2006
Jonathan Pohl, P.E. Date
Project Engineer

Approved by: _____ April 13, 2006
Peter Vagt, Ph.D., CPG Date
Project Manager

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ACRONYMS AND ABBREVIATIONS

AS	Air Sparge
AMSL	Above Mean Sea Level
BOD	Biological Oxygen Demand
BW	Barrier Wall
BWES	Barrier Wall Extraction System
cfm	cubic feet per minute
DL	Detection Limit
DPE	Dual Phase Extraction
EF1	effluent sample
GAC	Granular Activated Carbon
Global	Global Engineering
GWTP	Groundwater Treatment Plant
"Hg	Inches of mercury
"H_2O	Inches of water
IDEM	Indiana Department of Environmental Management
IN1	influent sample
IN2	duplicate influent sample
K-P	Kapica Pazmey
lb/hr	Pounds per hour
LDC	Laboratory Data Consultants
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
NC	Not Calculated
ND	Not Detected
NE	No Effluent Limit Established
NS	Not Sampled
OFCA	Off-Site Containment Area
PCBs	Polychlorinated Biphenyls
ppm	Parts per million
PGCS	Perimeter Groundwater Containment System
PSVP	Performance Standard Verification Plan
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
SBPA	Still Bottoms Pond Area
SVOC	Semi-Volatile Organic Compounds
T-102	Aeration Equalization Tank (Tank – 102)
TOC	Top of Casing
TOIC	Top of Inner Casing
TOSG	Top of Staff Gauge
TSS	Total Suspended Solids
µg	Micrograms
µg/L	Micrograms per liter
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds

1.0 INTRODUCTION

MWH Americas, Inc. (MWH), on behalf of the American Chemical Service (ACS) Remedial Design/Remedial Action (RD/RA) Executive Committee, started up the on-site groundwater treatment system at the ACS National Priorities List (NPL) Site (ACS Site) in Griffith, Indiana on March 13, 1997. The groundwater treatment plant (GWTP) system was designed to treat groundwater from the Perimeter Groundwater Containment System (PGCS) and the Barrier Wall Extraction System (BWES). The original treatment consisted of a phase-separator for oil and free product removal, equalization tanks, a UV oxidation unit for destruction of organic constituents, and an air stripper to remove methylene chloride and other organics. The treatment also included a chemical precipitation and clarification unit to remove metals, a sand filter to remove suspended solids, and activated carbon vessels for final polishing of the treated groundwater before it was released to the west of the Site.

In 2001, an activated sludge treatment unit was added to the process to reduce the volatile and semivolatile organic compounds (VOCs and SVOCs) in the collected groundwater. The activated sludge treatment process also reduces the amount of activated carbon required to treat the water. An aerated equalization tank was also added to the GWTP in 2001 to remove VOCs from the collected groundwater, oxidize metals to increase metals removal efficiency in the chemical precipitation unit, and equalize groundwater flow through the GWTP. The activated sludge system and aeration tank have been fully integrated into the process along with the other upgrade components. Startup and optimization of the catalytic oxidizer/scrubber air treatment unit was also conducted during 2001.

The treated effluent from the treatment system is discharged to the nearby wetlands, west of the treatment system, in accordance with Agency approvals.

Operation of the In-situ Soil Vapor Extraction (ISVE) system for the Off-Site Containment Area (OFCA) and the Kapica-Pazmey (K-P) Area began on May 1, 2002. Operation of the ISVE system for the Still Bottoms Pond Area (SBPA) began in July 2003. The ISVE systems were designed to remove volatile and semi-volatile compounds from the subsurface media.

The Off-Site Area ISVE system consists of 42 ISVE wells, three air sparge wells, ISVE and air sparge blower systems, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. Protocols and goals for the phased startup of the Off-Site System as defined in the Final Remedy (Montgomery Watson, 1999) were followed. In 2004, an additional blower unit was added to the Off-Site Area ISVE system to more effectively meet the design objectives of the system. The additional blower increased the capacity of the Off-Site ISVE system from 1000 to 2000 cubic feet per minute (cfm).

The SBPA ISVE system consists of 25 ISVE wells, 21 dual-phase extraction (DPE) wells, six air sparge wells, ISVE and air sparge blower systems, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. During the first 12 months of system operation, the performance of the ISVE system was evaluated. Based on this

evaluation, the SBPA ISVE system was enhanced in accordance with EPA and IDEM approval by reconfiguring 18 of the ISVE wells to allow injection of air. Air for the injection wells is directed from blower ME-102/103 at the GWTP to the SBPA ISVE blower shed. The air injection system, which consists of three groups of five injection wells, began operation in December 2005. The air injection is scheduled to rotate between the three well groups on a monthly basis. Only one well group will operate at a time.

This report summarizes GWTP effluent analytical data, catalytic oxidizer/scrubber (annual) and thermal oxidizer off-gas analytical data, ISVE process monitoring data, and water level gauging data collected from October 2005 through December 2005. The report also details modifications and upgrades that were made to the active treatment systems during the reporting period.

2.0 GWTP COMPLIANCE MONITORING

2.1 INTRODUCTION

Effluent samples are collected on a regular schedule from the treatment system to demonstrate compliance with the discharge limits (Table 2.1) established by the Indiana Department of Environmental Management (IDEM) and the United States Environmental Protection Agency (U.S. EPA). The approved Performance Standard Verification Plan (PSVP) (Montgomery Watson, July 1997) requires quarterly effluent sampling for biochemical oxygen demand (BOD), total suspended solids (TSS), SVOCs, metals, and polychlorinated biphenyls (PCBs) in the system, and monthly effluent sampling for pH and VOCs, as tabulated below. In accordance with the PSVP, a full analysis effluent compliance sample was collected during October 2005 and analyzed for all of the analytes listed above. During November and December 2005, the monthly effluent compliance samples were analyzed for VOCs and pH only.

Sampling and analyses were performed in accordance with the approved Quality Assurance Project Plan (QAPP) (Montgomery Watson Harza, November 2001). Quality control measures were also instituted in accordance with the PSVP. The following table and paragraphs present details on sampling and analyses and also summarize the analytical data for the treatment system effluent.

Sampling Frequency Schedule – Groundwater Treatment System

Analytes	Cumulative Time From Startup*	Frequency
Flowrate	–	Continuous
BOD, TSS, SVOCs and Metals	181 days onward	Once per quarter
VOCs and pH	31 days onward	Once per month
PCBs	181 days onward	Once per quarter
PCBs in Sediment (one location)	–	Once per year

*Note: System operation began on March 13, 1997

2.2 EFFLUENT SAMPLING AND ANALYSES

Effluent samples were collected each month during the fourth quarter of 2005. Samples were collected on the following dates and analyzed for the listed analytes for this reporting period:

October 10, 2005	full analysis (pH, TSS, BOD, Metals, VOCs, SVOCs, pentachlorophenol, and PCBs)
November 10, 2005	pH and VOCs
December 14, 2005	pH and VOCs

The above samples were collected directly from a sampling port on the effluent line of the treatment system. The samples were placed in contaminant-free containers, in accordance with the U.S. EPA Specifications and Guidance for Obtaining Contaminant-Free Sample Containers (U.S. EPA, 1992). Appropriate sample containers and preservatives, as specified in the QAPP, were used to collect and preserve the samples. Following sample collection, the temperature of the sample containers was maintained at or below 4° C in coolers. Chain-of-Custody forms were prepared to track the transfer of samples from the treatment system to the laboratories. In accordance with the approved QAPP, the effluent water samples were analyzed for the following parameters by the following analytical methods:

Parameter	Analytical Method
VOCs	SW-846 8260B
SVOCs	SW-846 8270C
Pentachlorophenol	SW-846 8270C and SIM
Pesticides/PCBs	EPA 608/SW-846 8081/8082
Metals (Excluding Mercury)	SW-846 6010
General Water Quality Parameters (TSS and BOD-5)	EPA 160.2 and 405.1
Mercury	SW-846 7470
pH	EPA 150.1

2.3 EFFLUENT ANALYTICAL RESULTS

2.3.1 GWTP Effluent Samples

The GWTP effluent monitoring data, summarized in Table 2.2, verify that the system effluent was compliant with the discharge limits summarized in Table 2.1. No effluent exceedences were reported in the October, November, or December samples.

Compuchem Laboratory of Cary, North Carolina performed the analysis of the samples. Laboratory Data Consultants (LDC) of Carlsbad, California performed third party data validation in accordance with the U.S. EPA National Functional Guidelines for Organic/Inorganic Data Review. Validation qualifiers are listed in Table 2.2 and are written in the margin of the analytical data sheets provided in Appendix A.

3.0 ISVE SYSTEM MONITORING

3.1 THERMAL OXIDIZER OFF-GAS SAMPLING

During the fourth quarter of 2005, Thermal Oxidizer/Scrubber Unit 1 (Therm Ox 1) was used to treat vapors from the SBPA ISVE system and Thermal Oxidizer/Scrubber Unit 2 (Therm Ox 2) was used to treat vapors from the Off-Site ISVE system and T-102. Compliance samples were collected from both thermal oxidizer/scrubber units on October 11th, November 8th, and December 8th.

Influent and effluent off-gas samples were collected directly from sampling ports on the influent pipe to the thermal oxidizer and the discharge stack of the scrubber. One influent sample (labeled IN1) and one effluent sample (EF1) were collected. A duplicate influent sample (IN2) was also collected. The samples were collected to comply with the PSVP and QAPP and in accordance with laboratory guidelines. The VOC samples were collected using a Summa canister and the SVOC samples were collected in sorbent tubes.

Sampling Frequency Schedule – ISVE System

Startup	Weekly for a four week period
Post-Startup	Monthly in accordance with the IDEM Air Permit Equivalency

Following sample collection, the SVOC, sample containers were maintained at or below 4°C in coolers. Chain-of-Custody forms were prepared to track the transfer of samples from the treatment system to the laboratories for extraction and analysis. In accordance with the approved QAPP, the off-gas samples were analyzed by the following analytical methods:

Parameter	Analytical Method
VOCs	TO-14
SVOCs	TO-13

3.2 SAMPLING RESULTS

The influent and effluent off-gas data are collected to verify that the off-gas from both of the thermal oxidizers were less than the IDEM discharge limit of three pounds of VOCs per hour for October, November, and December. For example, the VOC discharge reported from the October 11, 2005 Therm Ox 1 sample was 0.068 pounds per hour, approximately two percent of the discharge limit. The VOC discharge from the October 11, 2005 Therm Ox 2 sample was 0.035 pounds per hour, approximately one percent of the discharge limit. The results for November and December were within the same order of magnitude. Therefore, it can be concluded that the ISVE systems are performing well within discharge limits for air emissions. The analytical data sheets for the compliance samples are provided in Appendix B.

In addition to the off-gas data collected during the fourth quarter, MWH collected off-gas samples from the Off-Site ISVE system and the SBPA ISVE system influent lines. These samples were collected in order to comply with the PSVP.

Air Toxics Laboratories of Folsom, California analyzed the samples. The analytical results are summarized in Tables 3.1 through 3.18. MWH performed data validation in accordance with the QAPP and the National Functional Guidelines for Organic/Inorganic Data Review. Validation qualifiers are listed in the tables and are written in the margin of the analytical data sheets provided in Appendix B.

3.3 ISVE SYSTEM MONITORING

Performance monitoring of the ISVE system was conducted in accordance with the PSVP (Montgomery Watson, June 1999). Extracted vapor flow rates and vacuums at individual ISVE wells and headers were measured and recorded on a routine basis. Additionally, VOC concentrations were measured at individual wells and headers using a photoionization detector (PID).

The information collected during performance monitoring is used to evaluate and optimize the ISVE system. Data collected from the Off-Site ISVE system during the fourth quarter of 2005 is presented in Tables 3.19 and 3.20. Data that was collected from the SBPA ISVE system during the fourth quarter of 2005 is presented in Tables 3.21 and 3.22.

4.0 GWTP PROCESS MODIFICATIONS AND REPAIRS

4.1 GWTP PROCESS MODIFICATIONS

The following modifications were made to the GWTP during the fourth quarter of 2005:

- In November 2005, blower ME-102, associated with the Activated Sludge Plant, malfunctioned. A new blower was ordered; however, the lead time is 12-16 weeks to arrive. Delivery is anticipated in March 2006. In the meantime, Blower ME-103 will be utilized to supply compressed air to various GWTP components and the SBPA ISVE system.

4.2 GWTP REPAIRS AND MAINTENANCE

The following repairs were made to the GWTP during the Fourth quarter of 2005:

- On November 14th, the GWTP was shut down for annual maintenance. During this time equipment was inspected and cleaned. The GWTP was restarted on Friday, November 18th with no issues.

5.0 ISVE PROCESS MODIFICATIONS AND REPAIRS

5.1 ISVE PROCESS MODIFICATIONS

The following modifications were made to the SBPA ISVE system during the Fourth quarter of 2005:

- The SBPA ISVE system continued to operate with 23 ISVE wells and the Off-Site ISVE system continued to operate with 42 ISVE wells throughout the fourth quarter.

- Construction of the SBPA ISVE System upgrades were completed in October 2005. The upgrades included conversion of a subset of the extraction wells to air injection wells. The air injection system was brought online for testing during the week of November 7th and December 5th. The 18 target ISVE wells were evaluated for their ability to accept pressurized air. The design memorandum designated 19 wells for air injection; however, since that document was issued, SVE-61 has been included in the product recovery program. On November 20, 2005, air was successfully injected into 15 of the 18 wells. Air could not be injected into three wells (SVE-60, SVE-66, and SVE-83) utilizing the pressure and flow available from the blower. Operation of these wells will be further evaluated.

- Product removal activities were performed at six ISVE well locations in the SBPA throughout the fourth quarter (SVE-52, SVE-53, SVE-62, SVE-72, SVE-88, and DPE-61). 258 gallons were removed from these ISVE wells.

No modifications were made to the Off-Site ISVE system during the fourth quarter of 2005.

5.2 ISVE REPAIRS AND MAINTENANCE

The following repairs were made to the ISVE system during the fourth quarter of 2005:

- MWH shut down ThermOx 1 and ThermOx 2 for two days in October to assess usage of natural gas at the facility.

- On October 18th, Global repaired the heat exchanger and two small holes in the tubing for ThermOx 2. The oxidizer temperature probe and air filter were also replaced.

- Eclipse, Inc. came to the Site during the week of November 21st to analyze the burner controllers on the Thermal Oxidizer units and test the fuel train efficiency of each unit. ThermOx 1 was found to be running at an efficiency of approximately 80 percent. The air/gas regulator was replaced and the spark igniter and coil were adjusted to increase the efficiency. ThermOx 2 was found to be running as efficiently as possible and no changes were made to the unit.

- Routine maintenance was performed on the two air compressors associated with the Off-Site and SBPA Air Sparge Systems in December.

6.0 PGCS AND BWES GAUGING ACTIVITIES

When the GWTP was operational, the PGCS groundwater extraction trenches were operated in "auto" mode during the fourth quarter of 2005. In "auto" mode, the PGCS extraction wells pump continuously unless there is a low water level in individual extraction wells or a high water level in Aeration Equalization Tank (T-102). This mode is used to control the flowrate through the treatment system while at the same time creating an inward gradient along the PGCS trench. The GWTP also received influent from the On-Site and Off-Site components of the BWES and the SBPA DPE wells during the fourth quarter of 2005.

In accordance with the PSVP, a discussion on the effect of the PGCS and BWES on the water table near the Site is presented in each quarterly monitoring report. This section summarizes the groundwater elevations at the Site during October, November, and December 2005. Groundwater elevation measurements were collected throughout the Site on December 29, 2005 as part of the groundwater monitoring program. The groundwater elevations are listed in Table 6.1 and the resulting contours outside the barrier wall are shown on Figure 6.1.

The barrier wall was constructed to contain a contaminated zone under the Site, and the BWES was installed to extract groundwater from within the barrier wall and dewater the Site for the ISVE system. Eight pairs of piezometers were installed, with one piezometer of each pair on either side of the barrier wall, spaced along the barrier wall alignment. This allows measurement and tracking of water levels in order to document that the barrier wall is serving its designed function.

Table 6.1, BWES Water Level and Piezometer Pairs, presents the groundwater elevations inside and outside the barrier wall on December 29, 2005. The groundwater elevations are illustrated on Figure 6.2. The groundwater elevation measurements were within a range of 0.81 to 5.82 feet higher outside the barrier wall. In general, the data demonstrates that the barrier wall is successfully performing the intended function of isolating and protecting the groundwater outside the barrier wall from the source areas of the Site inside the barrier wall. MWH will continue to periodically collect water level measurements across the Site as required in the PSVP.

As part of the optimization of the GWTP and BWES upgrades, MWH began active dewatering of the Off-Site Area through increased groundwater pumping rates on September 25, 2001. Active dewatering of the SBPA began on February 11, 2003 with the addition of the DPE wells. Water levels were measured throughout the quarter at piezometer locations (P29, P31, P32, P36, and P49) in the On-Site Area and at piezometers (P96, P110, P112, P113, P114, P116, P118) and three air sparge (AS) wells (AS-7, AS-8, and AS-9) in the Off-Site Area. The water level trend data from these piezometers and AS wells for the fourth quarter 2005 are depicted graphically on Figures 6.3 and 6.4, which also reference the target water elevations for each area. In the SBPA the target water level is 629 feet amsl.

Actual water levels varied from approximately 627 feet amsl to 631 feet amsl. These figures show that there has been a slight increase in the average water levels since the Third Quarter 2005.

In the Off-Site ISVE area, the target water level is 626 feet amsl. Actual water levels varied from approximately 621 feet amsl to 627 feet amsl. This represents no change in the average water levels from the Third Quarter 2005. MWH will continue to monitor the water levels in both the SBPA and Off-Site Area to ensure vapor extraction at the ISVE wells is not inhibited.

7.0 SYSTEM OPERATION

The GWTP operated as designed for approximately 95 percent of the fourth quarter of 2005 (based on 86 days of operation out of a total of 92 days). The system drew influent from the On-Site Area BWES, the Off-Site Area BWES, the PGCS, MW-10C and MW-56.

The Off-Site Area ISVE system continued to operate as designed for approximately 90 percent of the fourth quarter of 2005 (based on 83 days of operation out of a total of 92 days). The SBPA ISVE system continued to operate as designed for approximately 91 percent of the fourth quarter of 2005 (based on 84 days of operation out of a total of 92 days).

8.0 REFERENCES

1. *Final Remedial Design Report: Final Remedy, ACS NPL Site,* Montgomery Watson, August 1999.

2. *Performance Standard Verification Plan, ACS NPL Site*, Montgomery Watson, July 1997.

3. *Performance Standard Verification Plan, ACS NPL Site*, Montgomery Watson, June 1999.

4. *Phase I Technical Memorandum Wetland Investigation, ACS NPL Site*, Montgomery Watson, July 1996.

5. *Phase II Technical Memorandum Wetland Investigation, ACS NPL Site*, Montgomery Watson, February 1997.

6. *Quality Assurance Project Plan, ACS NPL Site*, Montgomery Watson Harza, March 2001.

7. *U.S. EPA Specifications and Guidance for Obtaining Contaminant-Free Sample Containers*, United States Environmental Protection Agency, 1992.

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TABLES

Table 2.1
Groundwater Treatment System Effluent Discharge Limits
American Chemical Service NPL Site
Griffith, Indiana

Groundwater Quality Parameter	Effluent Standard (Limit)
General Water Quality Parameters	
PH	6 - 9 S.U.
BOD-5	30 mg/L
TSS	30 mg/L
Inorganics	
Arsenic	50 µg/L
Beryllium	NE
Cadmium	4.1 µg/L
Manganese	NE
Mercury	0.02 µg/L (w/DL = 0.64)
Selenium	8.2 µg/L
Thallium	NE
Zinc	411 µg/L
Volatile Organics	
Acetone	6,800 µg/L
Benzene	5 µg/L
2-Butanone	210 µg/L
Chloromethane	NE
1,4 – Dichlorobenzene	NE
1,1 – Dichloroethane	NE
1,2 – Dichloroethene – cis	70 µg/L
Ethylbenzene	34 µg/L
Methylene chloride	5 µg/L
Tetrachloroethene	5 µg/L
Trichloroethene	5 µg/L
Vinyl chloride	2 µg/L
4 – Methyl - 2 – pentanone	15 µg/L
Semi-Volatile Organics	
bis(2 – Chloroethyl) ether	9.6 µg/L
bis(2 – Ethylhexyl) phthalate	6 µg/L
Isophorone	50 µg/L
4 – Methylphenol	34 µg/L
Pentachlorophenol	1 µg/L
PCBs	
PCBs	0.00056 µg/L (w/DL = 0.1 to 0.9)

Notes:
NE = No effluent limit established.
DL = Detection limit
S.U. = Standard pH units
µg/L - micrograms per Liter

Table 2.2
Summary of Effluent Analytical Results - Fourth Quarter 2005
Groundwater Treatment System
American Chemical Service NPL Site
Griffith, Indiana

Event Date	Month 101 10/10/2005	Month 102 11/10/2005	Month 103 12/14/2005	Effluent Limits	Lab Reporting Limits
pH	7.22 /J	7.72 /J	8.00 /J	6-9	none
TSS	0.8 B/	NS	NS	30	10
BOD	< 2 / UJ	NS	NS	30	2
Arsenic	10.4	NS	NS	50	3.4
Beryllium	ND	NS	NS	NE	0.2
Cadmium	ND	NS	NS	4.1	0.3
Manganese	14.6 /B	NS	NS	NE	10
Mercury	ND	NS	NS	0.02 (w/DL = 0.64)	0.64
Selenium	ND	NS	NS	8.2	4.3
Thallium	ND	NS	NS	NE	5.7
Zinc	2.1B/UB	NS	NS	411	1.2
Benzene	0.50 U/	0.50 U	0.50 U	5	0.5
Acetone	2.5 U/UJ	2.5 U/UJ	2.5 U/UJ	6,800	3
2-Butanone	2.5 U/	2.5 U	2.5 U/UJ	210	3
Chloromethane	0.5 U/	0.50 U/UJ	0.50 U	NE	0.5
1,4-Dichlorobenzene	0.50 U/	0.50 U	0.50 U	NE	0.5
1,1-Dichloroethane	0.50 U/	0.50 U	0.50 U	NE	0.5
cis-1,2-Dichloroethene	0.50 U/	0.50 U	0.50 U	70	0.5
Ethylbenzene	0.50 U/	0.50 U	0.50 U	34	0.5
Methylene chloride	1.0	0.64	0.67	5	0.6
Tetrachloroethene	0.50 U/	0.50 U	0.50 U	5	0.5
Trichloroethene	0.50 U/	0.50 U	0.50 U	5	0.5
Vinyl chloride	0.50 U/	0.50 U	0.50 U	2	0.5
4-Methyl-2-pentanone	2.5 U/	2.5 U/UJ	2.5 U	15	3
bis (2-Chloroethyl) ether	ND	NS	NS	9.6	9.6
bis(2-Ethylhexyl) - phthalate	1.7 J/UB	NS	NS	6	6
4 - Methylphenol	ND	NS	NS	34	10
Isophorone	ND	NS	NS	50	10
Pentachlorophenol	ND	NS	NS	1	1
PCB/Aroclor-1016	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1221	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.92*
PCB/Aroclor-1232	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1242	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1248	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1254	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1260	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5

Notes:

Bolded result indicates a exceedence of the discharge limit
pH data is expressed in S.U.
Metals, VOC, SVOC and PCB data is expressed in ug/L
ND = Not detected
NS = This analyte was not sampled or analyzed for
NE = No effluent limit established.
DL = Detection limit
* = Approved SW-846 method is incapable of achieving effluent limit.

Suffix Definitions:

_/ = Data qualifier added by laboratory
/_ = Data qualifier added by data validator
J = Result is detected below the reporting limit and is an estimated concentration concentration and the compound is also detected in the method blank resulting in a potential high bias
B = Compound is also detected in the blank
UJ = Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value
UB = Compound or analyte is not detected at or above the indicated concentration due to blank contamination
UBJ = Analyte is not detected at or above the indicated concentration due to blank contamination, however the calibration was out of range. Therefore the concentration is estimated.

Table 3.1
Thermal Oxidizer 1 Results for Method TO-14 (VOCs) - October 2005
American Chemical Service
Griffith, Indiana

		Sampled 10/11/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	40,000		39,000		98		99.75%	99.76%	99.75%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,100		4,000		14		99.65%	99.66%	99.65%
1,1-Dichloroethene	ppbv	510	J/J	570	J/J	130		NC	NC	NC
1,2-Dichloroethane	ppbv	540	J/J	520	J/J	2.6	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	890	J/J	900		2.1	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	2,400	J/J	2,200	J/J	28		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	1.3	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	ND	U	ND	U	13		NC	NC	NC
Acetone	ppbv	3,900		4,500		65		98.33%	98.56%	98.44%
Benzene	ppbv	20,000		20,000		340		98.30%	98.30%	98.30%
Bromodichloromethane	ppbv	ND	U	ND	U	0.87	J/J	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	2,200	J/J	2,300	J/J	3.8	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	340	J/J	380	J/J	8.2		NC	NC	NC
Chloroethane	ppbv	700	J/J	690	J/J	5.2		NC	NC	NC
Chloroform	ppbv	7,800		7,700		23		99.70%	99.71%	99.70%
Chloromethane	ppbv	ND	U	ND	U	65		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	83,000		82,000		310		99.62%	99.63%	99.62%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	1.4	J/J	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	35,000		34,000		87		99.74%	99.75%	99.75%
m,p-Xylene	ppbv	210,000		210,000		510		99.76%	99.76%	99.76%
Methylene Chloride	ppbv	5,800		5,800		67		98.84%	98.84%	98.84%
o-Xylene	ppbv	92,000		91,000		220		99.76%	99.76%	99.76%
Styrene	ppbv	ND	U	ND	U	77		NC	NC	NC
Tetrachloroethene	ppbv	78,000		78,000		430		99.45%	99.45%	99.45%
Toluene	ppbv	280,000		280,000		720		99.74%	99.74%	99.74%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	88		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	1.5	J/J	NC	NC	NC
Trichloroethene	ppbv	38,000		37,000		190		99.49%	99.50%	99.49%
Vinyl Chloride	ppbv	2,400		2,400		86		96.42%	96.42%	96.42%
Total	**ppbv**	**907,580**		**902,960**		**3,587.97**		**99.60%**	**99.60%**	**99.60%**
Total	**lb/hr**	**17.486**		**17.385**		**0.068**		**99.61%**	**99.61%**	**99.61%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
NS = Not sampled
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 1 VOC lb/hr based on 1250 scfm, 112 degrees Fahrenheit (10/11/05)
Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

Table 3.2
Thermal Oxidizer 1 Results for Method TO-14 (VOCs) - November 2005
American Chemical Service
Griffith, Indiana

		Sampled 11/8/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	80,000		68,000		33		99.95%	99.96%	99.96%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	8,200		7,000		10		99.86%	99.88%	99.87%
1,1-Dichloroethene	ppbv	1,500		890	J/J	91		NC	NC	NC
1,2-Dichloroethane	ppbv	910	J/J	600	J/J	0.62	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	1,500		1,200	J/J	ND	U	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	2,700	J/J	2,200	J/J	4.3	J/J	NC	NC	NC
Acetone	ppbv	1,800	J/J	1,200	J/J	5.1	J/J	NC	NC	NC
Benzene	ppbv	33,000		28,000		95		99.66%	99.71%	99.69%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	2.4	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	2.2	J/J	NC	NC	NC
Chlorobenzene	ppbv	660	J/J	ND	U	8		NC	NC	NC
Chloroethane	ppbv	1,500	_J	1,200	J/J	9.1	_J	NC	NC	NC
Chloroform	ppbv	13,000		11,000		6.3		99.94%	99.95%	99.95%
Chloromethane	ppbv	ND	U	ND	U	36		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	110,000		93,000		140		99.85%	99.87%	99.86%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	56,000		46,000		170		99.63%	99.70%	99.66%
m,p-Xylene	ppbv	350,000		290,000		1,100		99.62%	99.69%	99.65%
Methylene Chloride	ppbv	12,000		10,000		10		99.90%	99.92%	99.91%
o-Xylene	ppbv	180,000		150,000		700		99.53%	99.61%	99.57%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	150,000		120,000		460		99.62%	99.69%	99.66%
Toluene	ppbv	460,000		390,000		650		99.83%	99.86%	99.85%
trans-1,2-Dichloroethene	ppbv	ND	U	590	J/J	21		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	56,000		45,000		98		99.78%	99.83%	99.80%
Vinyl Chloride	ppbv	4,300		3,200		74		97.69%	98.28%	97.98%
Total	**ppbv**	**1,523,070**		**1,269,080**		**3,726.02**		**99.71%**	**99.76%**	**99.73%**
Total	**lb/hr**	**34.865**		**28.968**		**0.079**		**99.73%**	**99.77%**	**99.75%**

Notes:

NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour

Qualifiers:

J = Result is estimated
U = below reported quantitation limit
_/ = Laboratory data qualifier
/_ = Data validation qualifier

Therm-Ox 1 VOC lb/hr based on 1410 scfm, 90 (influent) and 114 (effluent) degrees Fahrenheit (11/8/05).
Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Table 3.3
Thermal Oxidizer 1 Results for Method TO-14 (VOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	45,000		45,000		29		99.94%	99.94%	99.94%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	1		NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	5,100		5,200		12		99.76%	99.77%	99.77%
1,1-Dichloroethene	ppbv	430	J/J	430		120		72.09%	72.09%	72.09%
1,2-Dichloroethane	ppbv	430	J/J	430		ND	U	NC	NC	NC
1,2-Dichloropropane	ppbv	780		800		0.61	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	1,100	J/J	1,200	J/J	9.4		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	0.93	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	840	J/J	860	J/J	8.4		NC	NC	NC
Acetone	ppbv	3,800		3,700		96		NC	NC	NC
Benzene	ppbv	15,000		16,000		180		98.80%	98.88%	98.84%
Bromodichloromethane	ppbv	ND	U	ND	U	0.49	J/J	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	1		NC	NC	NC
Carbon Disulfide	ppbv	ND	U	120	J/J	0.66	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.93	J/J	NC	NC	NC
Chlorobenzene	ppbv	210	J/J	210	J/J	7.1		NC	NC	NC
Chloroethane	ppbv	850		880		12		98.59%	98.64%	98.61%
Chloroform	ppbv	6,400		6,500		4.9		99.92%	99.92%	99.92%
Chloromethane	ppbv	ND	U	ND	U	36		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	64,000		65,000		240		99.63%	99.63%	99.63%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	1.7		NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	19,000		18,000		25		99.86%	99.87%	99.86%
m,p-Xylene	ppbv	110,000		110,000		130		99.88%	99.88%	99.88%
Methylene Chloride	ppbv	6,500		6,700		25		99.62%	99.63%	99.62%
o-Xylene	ppbv	65,000		65,000		53		99.92%	99.92%	99.92%
Styrene	ppbv	ND	U	ND	U	14		NC	NC	NC
Tetrachloroethene	ppbv	68,000		67,000		260		99.61%	99.62%	99.61%
Toluene	ppbv	140,000		140,000		160		99.89%	99.89%	99.89%
trans-1,2-Dichloroethene	ppbv	250.0	J/J	330	J/J	61		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	1.5		NC	NC	NC
Trichloroethene	ppbv	36,000		36,000		120		99.67%	99.67%	99.67%
Vinyl Chloride	ppbv	3,500		3,900		89		97.46%	97.72%	97.59%
Total	**ppbv**	**592,190**		**593,260**		**1,700.62**		**99.71%**	**99.71%**	**99.71%**
Total	**lb/hr**	**12.781**		**12.779**		**0.031**		**99.76%**	**99.76%**	**99.76%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
NS = Not sampled
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 1 VOC lb/hr based on 1410 scfm, 90 (influent) and 114 (effluent) degrees Fahrenheit (11/8/05)
Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

Table 3.4
Thermal Oxidizer 2 Results for Method TO-14 (VOCs) - October 2005
American Chemical Service
Griffith, Indiana

		Sampled 10/11/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	20,000		20,000		83		99.59%	99.59%	99.59%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	170	J/J	150	J/J	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	2,700		2,700		12		99.56%	99.56%	99.56%
1,1-Dichloroethene	ppbv	120	J/J	120	J/J	0.7	J/J	NC	NC	NC
1,2-Dichloroethane	ppbv	680		660		3.1		99.53%	99.54%	99.54%
1,2-Dichloropropane	ppbv	220	J/J	230	J/J	1.1	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	5,000		7,100		180		96.40%	97.46%	96.93%
2-Hexanone	ppbv	ND	U	ND	U	1.2	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	4,700		4,700		60		98.72%	98.72%	98.72%
Acetone	ppbv	7,200		8,300		310		95.69%	96.27%	95.98%
Benzene	ppbv	12,000		14,000		62		99.48%	99.56%	99.52%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	510	J/J	330	J/J	1.2	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	140	J/J	110	J/J	1.5	J/J	NC	NC	NC
Chloroform	ppbv	1,700		1,600		7.3		99.54%	99.57%	99.56%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	3,400		3,400		31		99.09%	99.09%	99.09%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	10,000		11,000		50		99.50%	99.55%	99.52%
m,p-Xylene	ppbv	48,000		50,000		240		99.50%	99.52%	99.51%
Methylene Chloride	ppbv	21,000		21,000		94		99.55%	99.55%	99.55%
o-Xylene	ppbv	17,000		18,000		90		99.47%	99.50%	99.49%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	19,000		19,000		87		99.54%	99.54%	99.54%
Toluene	ppbv	85,000		86,000		370		99.56%	99.57%	99.57%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	14,000		14,000		62		99.56%	99.56%	99.56%
Vinyl Chloride	ppbv	290		280		3.8		98.64%	98.69%	98.67%
Total	**ppbv**	**272,830**		**282,680**		**1,750.9**		**99.36%**	**99.38%**	**99.37%**
Total	**lb/hr**	**5.978**		**6.158**		**0.035**		**99.42%**	**99.44%**	**99.43%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 2 VOC lb/hr based on 1394 scfm, 85 degrees Fahrenheit (10/11/05)
Destruction efficiencies were not calculated if either influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

LRH/ALC/jdp/JEF/jmf
J:\209\0603 ACS\0301 GWTP\6030301a174.xls\Table 3.4

Table 3.5
Thermal Oxidizer 2 Results for Method TO-14 (VOCs) - November 2005
American Chemical Service
Griffith, Indiana

		Sampled 11/8/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	35,000		36,000		100		99.71%	99.72%	99.72%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,700		4,800		40		99.15%	99.17%	99.16%
1,1-Dichloroethene	ppbv	570		420	J/J	2.7		NC	NC	NC
1,2-Dichloroethane	ppbv	1,200		1,100		0.8	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	310	J/J	310	J/J	1.3	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	14,000		14,000		ND	U	100.00%	100.00%	100.00%
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	8,000		8,100		3.6	J/J	NC	NC	NC
Acetone	ppbv	15,000		15,000		26		99.83%	99.83%	99.83%
Benzene	ppbv	22,000		22,000		120		99.45%	99.45%	99.45%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	0.45	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	ND	U/R	ND	U/R	42	_J	NC	NC	NC
Chloroform	ppbv	2,500		2,600		3.1		99.88%	99.88%	99.88%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	3,900		4,100		360		90.77%	91.22%	90.99%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	17,000		18,000		66		99.61%	99.63%	99.62%
m,p-Xylene	ppbv	71,000		76,000		270		99.62%	99.64%	99.63%
Methylene Chloride	ppbv	42,000		43,000		6.7		99.98%	99.98%	99.98%
o-Xylene	ppbv	28,000		30,000		87		99.69%	99.71%	99.70%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	31,000		32,000		280		99.10%	99.13%	99.11%
Toluene	ppbv	130,000		140,000		420		99.68%	99.70%	99.69%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	3.4	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	23,000		23,000		97		99.58%	99.58%	99.58%
Vinyl Chloride	ppbv	460		510		110		76.09%	78.43%	77.26%
Total	**ppbv**	**449,640**		**470,940**		**2,040.1**		**99.55%**	**99.57%**	**99.56%**
Total	**lb/hr**	**13.140**		**13.758**		**0.054**		**99.59%**	**99.61%**	**99.60%**

Notes:

NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit
R = Quality control indicates the data is not usable
_/ = Laboratory data qualifier
/_ = Data validation qualifier

Therm-Ox 2 VOC lb/hr based on 1829 scfm, 72 (influent) and 150 (effluent) degrees Fahrenheit (11/8/05)
Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Table 3.6
Thermal Oxidizer 2 Results for Method TO-14 (VOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/05											
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	30,000		28,000		470		98.32%	98.43%	98.38%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,300		4,000		71		98.23%	98.35%	98.29%
1,1-Dichloroethene	ppbv	440		520		92.0		79.09%	82.31%	80.70%
1,2-Dichloroethane	ppbv	960		880		16.0		98.18%	98.33%	98.26%
1,2-Dichloropropane	ppbv	290	J/J	260	J/J	4.4	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	11,000		11,000		200		100.00%	100.00%	100.00%
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	6,800		6,700		58.0		99.13%	99.15%	99.14%
Acetone	ppbv	14,000		13,000		480		96.31%	96.57%	96.44%
Benzene	ppbv	19,000		19,000		460		97.58%	97.58%	97.58%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	2.9	J/J	NC	NC	NC
Chloroethane	ppbv	590		350	J/J	14		NC	NC	NC
Chloroform	ppbv	2,000		1,900		34.0		98.21%	98.30%	98.26%
Chloromethane	ppbv	ND	U	ND	U	9.0	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	10,000		9,000		200		97.78%	98.00%	97.89%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	16,000		15,000		160		98.93%	99.00%	98.97%
m,p-Xylene	ppbv	66,000		62,000		610		99.02%	99.08%	99.05%
Methylene Chloride	ppbv	35,000		34,000		600.0		98.24%	98.29%	98.26%
o-Xylene	ppbv	26,000		24,000		250		98.96%	99.04%	99.00%
Styrene	ppbv	ND	U	ND	U	46		NC	NC	NC
Tetrachloroethene	ppbv	26,000		25,000		510		97.96%	98.04%	98.00%
Toluene	ppbv	110,000		100,000		1,400		98.60%	98.73%	98.66%
trans-1,2-Dichloroethene	ppbv	200.0	J/J	200	J/J	23.0	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	19,000		18,000		330		98.17%	98.26%	98.21%
Vinyl Chloride	ppbv	1,800		1,700		59		96.53%	96.72%	96.63%
Total	**ppbv**	**399,380**		**374,510**		**6,099.3**		**98.37%**	**98.47%**	**98.42%**
Total	**lb/hr**	**11.885**		**11.150**		**0.152**		**98.64%**	**98.72%**	**98.68%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 2 VOC lb/hr based on 1829 scfm, 72 (influent) and 150 (effluent) degrees Fahrenheit (11/8/05)
Destruction efficiencies were not calculated if either influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

Table 3.7
SBPA and Off-Site ISVE System Results
for Method TO-14 (VOCs) - October 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 10/11/2005			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	42,000		28,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	250	J/J
1,1-Dichloroethane	ppbv	4,100		3,500	
1,1-Dichloroethene	ppbv	580	J/J	180	J/J
1,2-Dichloroethane	ppbv	510	J/J	960	
1,2-Dichloropropane	*ppbv*	*880*		*290*	*J/J*
2-Butanone (Methyl Ethyl Ketone)	ppbv	2,200	J/J	10,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	ND	U	6,800	
Acetone	ppbv	3,700		12,000	
Benzene	ppbv	21,000		19,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	2,200	J/J	160	J/J
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	360	J/J	ND	U
Chloroethane	ppbv	720	J/J	ND	U
Chloroform	*ppbv*	*8,100*		*2,200*	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	88,000		3,200	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	36,000		19,000	
m,p-Xylene	ppbv	220,000		86,000	
Methylene Chloride	ppbv	6,100		28,000	
o-Xylene	ppbv	96,000		32,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	80,000		29,000	
Toluene	ppbv	300,000		130,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	*ppbv*	*ND*	*U*	*ND*	*U*
Trichloroethene	ppbv	40,000		21,000	
Vinyl Chloride	ppbv	2,500		290	J/J
Total	**ppbv**	**954,950**		**431,830**	
Total	**lb/hr**	**18.432**		**9.537**	

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

10/11/05 VOCs in lb/hr calculated based on Offsite: 1394 scfm, 80 degrees Fahrenheit (10/11/05)
On-site: 1250 scfm, 110 degrees Fahrenheit (10/11/05)

Table 3.8
SBPA and Off-Site ISVE System Results
for Method TO-14 (VOCs) - November 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 11/8/2005			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	62,000		34,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	6,700		4,600	
1,1-Dichloroethene	ppbv	1,200	J/J	790	
1,2-Dichloroethane	ppbv	670	J/J	1,000	
1,2-Dichloropropane	ppbv	1,300		280	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	2,200	J/J	12,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	2,000	J/J	7,500	
Acetone	ppbv	1,400	J/J	16,000	
Benzene	ppbv	26,000		21,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	ND	U
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	1,300	_J	ND	U/R
Chloroform	ppbv	10,000		2,400	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	89,000		3,400	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	44,000		18,000	
m,p-Xylene	ppbv	280,000		71,000	
Methylene Chloride	ppbv	9,400		42,000	
o-Xylene	ppbv	150,000		28,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	120,000		30,000	
Toluene	ppbv	370,000		130,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	44,000		22,000	
Vinyl Chloride	ppbv	3,500		430	
Total	**ppbv**	**1,224,670**		**444,400**	
Total	**lb/hr**	**28.617**		**13.016**	

Notes:
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour

Qualifiers:
J = Result is estimated
U = below reported quantitation limit
R = Quality control indicates the data is not usable
_/ = Laboratory data qualifier
/_ = Data validation qualifier

11/8/05 VOCs in lb/hr calculated based on Offsite: 1829 scfm, 70 degrees Fahrenheit (11/8/05)
On-site: 1410 scfm, 78 degrees Fahrenheit (11/8/05)

Table 3.9
SBPA and Off-Site ISVE System Results
for Method TO-14 (VOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/2005			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	34,000		32,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	3,800		4,000	
1,1-Dichloroethene	ppbv	310	J/J	ND	U
1,2-Dichloroethane	ppbv	310	J/J	1,000	
1,2-Dichloropropane	ppbv	630		300	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	840	J/J	12,000	
2-Hexanone	ppbv	ND	U	250	J/J
4-Methyl-2-pentanone	ppbv	600	J/J	8,000	
Acetone	ppbv	3,000		16,000	
Benzene	ppbv	11,000		19,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	ND	U
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	650		ND	U
Chloroform	ppbv	4,600		2,200	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	48,000		4,000	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	14,000		19,000	
m,p-Xylene	ppbv	82,000		79,000	
Methylene Chloride	ppbv	4,900		38,000	
o-Xylene	ppbv	47,000		32,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	50,000		28,000	
Toluene	ppbv	110,000		110,000	
trans-1,2-Dichloroethene	ppbv	240	J/J	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	27,000		20,000	
Vinyl Chloride	ppbv	2,600		300	J/J
Total	**ppbv**	**445,480**		**425,050**	
Total	**lb/hr**	**9.661**		**12.668**	

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per *billion volume*
lb/hr = pounds per hour
11/8/05 VOCs in lb/hr calculated based on Offsite: 1829 scfm, 70 degrees Fahrenheit (11/8/05)
On-site: 1410 scfm, 78 degrees Fahrenheit (11/8/05)

Table 3.10
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - October 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 10/11/05								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.9	J/J	1.3		ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	74		93		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	6.3		7.7		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	17		21		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	0.23	J/J	0.29	J/J	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	43		54		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	0.76	J/J	4.2	U	0.52	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	0.24	J/J	0.25	J/J	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	0.22	J/J	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	12		15		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	6		7.4		ND	U	100.00%	100.00%	100.00%

Table 3.10
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - October 2005
American Chemical Service
Griffith, Indiana

		Sampled 10/11/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	*Units*	*Influent*		*Influent Dup*		*Effluent*		Low	High	Average
Naphthalene	µg	63		83		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**223.43**		**287.36**		**0.52**		**99.77%**	**99.82%**	**99.79%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
µg = Microgram
ND = Non-detect
NS = Not sampled
NA = Not applicable

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit
R = Quality control indicates the data is not usable.

Table 3.11
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - November 2005
American Chemical Service
Griffith, Indiana

		Sampled 11/8/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	1.5		1.3		ND	U	100.00%	100.00%	100.00%
1,2-Dichlorobenzene	µg	110		100		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	11		11		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	26		26		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	0.27	J/J	0.26	J/J	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	55		55		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	1.2	J/J	0.88	J/J	ND	U	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	2.4	J/J	1.8	J/J	1.8	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.47	J/J	0.6	J/J	0.95	J/J	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	18		18		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	8.2		8.1		ND	U	100.00%	100.00%	100.00%

Table 3.11
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - November 2005
American Chemical Service
Griffith, Indiana

		Sampled 11/8/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	92		93		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**326.04**		**315.94**		**2.75**		**99.13%**	**99.16%**	**99.14%**

Notes:
µg = Microgram
NC = Not calculated
ND = Non-detect

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit
_/ = Laboratory data qualifier
/_ = Data validation qualifier

Table 3.12
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	0.7	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	36		33		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	3.4		3		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	9		8.5		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	8.5		8.5		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	0.63	J/J	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	4.3		4.2		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	1.5		1.5		ND	U	100.00%	100.00%	100.00%

Table 3.12
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - December 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 12/8/05								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	16		16		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**78.70**		**76.03**		**ND**		**100.00%**	**100.00%**	**100.00%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
µg = Microgram
ND = Non-detect
NS = Not sampled
NA = Not applicable

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit

Table 3.13
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - October 2005
American Chemical Service
Griffith, Indiana

		Sampled 10/11/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.46	J/J	0.48	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	24		22		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	0.96	J/J	0.81	J/J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	3.2		2.9		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	0.99	J/J	0.91	J/J	ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	0.53	J/J	0.4	J/J	1.6		NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	0.22	J/J	0.3	J/J	0.28	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.23	J/J	0.27	J/J	0.25	J/J	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	1.7		1.7		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	7.1		6.7		ND	U	100.00%	100.00%	100.00%

Table 3.13
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - October 2005
American Chemical Service
Griffith, Indiana

		Sampled 10/11/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	8.1		8.8		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**47.49**		**45.27**		**2.13**		**95.29%**	**95.51%**	**95.40%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
µg = Microgram
NC = Not calculated
ND = Non-detect

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit
R = Quality control indicates the data is not usable.

Table 3.14
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - November 2005
American Chemical Service
Griffith, Indiana

		Sampled 11/8/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.58	J/J	0.49	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	26		27		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	1		1		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	3.4		3.4		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	1.9		1.7		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	0.56	J/J	0.85	J	0.59	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	0.42	J/J	0.48	J/J	0.49	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.24	J/J	0.3	J/J	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	2		2.1		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	8.6		9.4		ND	U	100.00%	100.00%	100.00%

Table 3.14
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - November 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 11/8/05								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	12		13		0.22	J/J	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**56.70**		**59.72**		**1.30**		***97.71%***	***97.82%***	***97.77%***

Notes:
µg = Microgram
NC = Not calculated
ND = Non-detect

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit
_/ = Laboratory data qualifier
/_ = Data validation qualifier

Table 3.15
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	9.5		14		1.2		100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	ND	U	0.53	J/J	ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	1.3		1.7		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	1		1.3		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U	1.6	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	0.64	J/J	0.85	J/J	ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	2.6		4.5		ND	U	100.00%	100.00%	100.00%

Table 3.15
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	5.8		7.6		2.1		63.79%	72.37%	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**20.84**		**30.48**		**4.90**		**76.49%**	**83.92%**	**80.21%**

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
µg = Microgram
NC = Not calculated
ND = Non-detect

Qualifiers:

J - = Result is estimated
U = Below reported quantitation limit

Table 3.16
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - October 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 10/11/2005			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	1.6		2.1	
1,2-Dichlorobenzene	µg	120		52	
1,3-Dichlorobenzene	µg	10		1.9	
1,4-Dichlorobenzene	µg	28		6.5	
2,4,5-Trichlorophenol	µg	ND	U	ND	U
2,4,6-Trichlorophenol	µg	ND	U	ND	U
2,4-Dichlorophenol	µg	ND	U	ND	U
2,4-Dimethylphenol	µg	ND	U	ND	U
2,4-Dinitrophenol	µg	ND	U	ND	U
2,4-Dinitrotoluene	µg	ND	U	ND	U
2,6-Dinitrotoluene	µg	ND	U	ND	U
2-Chloronaphthalene	µg	0.38	J/J	ND	U
2-Chlorophenol	µg	ND	U	ND	U
2-Methylnaphthalene	µg	68		12	
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U	ND	U
3,3'-Dichlorobenzidine	µg	ND	U	ND	U
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U	ND	U
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U	ND	U
Acenaphthene	µg	ND	U/R	ND	U/R
Acenaphthylene	µg	ND	U	ND	U
Anthracene	µg	ND	U	ND	U
Benzo(a)anthracene	µg	ND	U	ND	U
Benzo(a)pyrene	µg	ND	U	ND	U
Benzo(b)fluoranthene	µg	ND	U	ND	U
Benzo(g,h,i)perylene	µg	ND	U	ND	U
Benzo(k)fluoranthene	µg	ND	U	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U
bis(2-Ethylhexyl)phthalate	µg	1.1		0.81	J/J
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	0.32	J/J	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	0.27	J/J	0.23	J/J
Di-n-Octylphthalate	µg	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U
Fluorene	µg	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	20		5.2	
Hexachlorocyclopentadiene	µg	ND	U	0.63	J/J
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	11		31	

Table 3.16
SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) - October 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 10/11/2005			
		SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	100		56	
Nitrobenzene	µg	ND	U	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U
Pentachlorophenol	µg	ND	U	ND	U
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	ND	U	ND	U
Pyrene	µg	ND	U	ND	U
Total	µg	**360.67**		**168.37**	

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
µg = Microgram
NC = Not calculated
ND = Non-detect

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit
R = Quality control indicates the data is not usable.

Table 3.17
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - November 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 11/8/2005			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	1.8		ND	U
1,2-Dichlorobenzene	µg	140		ND	U
1,3-Dichlorobenzene	µg	15		ND	U
1,4-Dichlorobenzene	µg	35		ND	U
2,4,5-Trichlorophenol	µg	ND	U	ND	U
2,4,6-Trichlorophenol	µg	ND	U	ND	U
2,4-Dichlorophenol	µg	ND	U	ND	U
2,4-Dimethylphenol	µg	ND	U	ND	U
2,4-Dinitrophenol	µg	ND	U	ND	U
2,4-Dinitrotoluene	µg	ND	U	ND	U
2,6-Dinitrotoluene	µg	ND	U	ND	U
2-Chloronaphthalene	µg	0.35	J/J	ND	U
2-Chlorophenol	µg	ND	U	ND	U
2-Methylnaphthalene	µg	73		0.17	J/J
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U	ND	U
3,3'-Dichlorobenzidine	µg	ND	U	ND	U
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U	ND	U
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U	ND	U
Acenaphthene	µg	ND	U	ND	U
Acenaphthylene	µg	ND	U	ND	U
Anthracene	µg	ND	U	ND	U
Benzo(a)anthracene	µg	ND	U	ND	U
Benzo(a)pyrene	µg	ND	U	ND	U
Benzo(b)fluoranthene	µg	ND	U	ND	U
Benzo(g,h,i)perylene	µg	ND	U	ND	U
Benzo(k)fluoranthene	µg	ND	U	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U
bis(2-Ethylhexyl)phthalate	µg	1.5	J/J	0.46	J/J
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	0.75	J/J	0.81	J/J
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	0.26	J/J	0.51	J/J
Di-n-Octylphthalate	µg	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U
Fluorene	µg	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	25		ND	U
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	10		ND	U

Table 3.17
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - November 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 11/8/2005			
		SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	120		0.42	J/J
Nitrobenzene	µg	ND	U	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U
Pentachlorophenol	µg	ND	U	ND	U
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	ND	U	ND	U
Pyrene	µg	ND	U		U
Total	µg	**422.66**		**2.37**	

Notes:
µg = Microgram
NC = Not calculated
ND = Non-detect

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit
_/ = Laboratory data qualifier
/_ = Data validation qualifier

Table 3.18
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/2005			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,2,4-Trichlorobenzene	µg	0.56	J/J	1.8	
1,2-Dichlorobenzene	µg	67		47	
1,3-Dichlorobenzene	µg	6.8		1.5	
1,4-Dichlorobenzene	µg	17		5.6	
2,4,5-Trichlorophenol	µg	ND	U	ND	U
2,4,6-Trichlorophenol	µg	ND	U	ND	U
2,4-Dichlorophenol	µg	ND	U	ND	U
2,4-Dimethylphenol	µg	ND	U	ND	U
2,4-Dinitrophenol	µg	ND	U	ND	U
2,4-Dinitrotoluene	µg	ND	U	ND	U
2,6-Dinitrotoluene	µg	ND	U	ND	U
2-Chloronaphthalene	µg	ND	U	ND	U
2-Chlorophenol	µg	ND	U	ND	U
2-Methylnaphthalene	µg	15		12	
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U	ND	U
3,3'-Dichlorobenzidine	µg	ND	U	ND	U
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U	ND	U
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U	ND	U
Acenaphthene	µg	ND	U	ND	U
Acenaphthylene	µg	ND	U	ND	U
Anthracene	µg	ND	U	ND	U
Benzo(a)anthracene	µg	ND	U	ND	U
Benzo(a)pyrene	µg	ND	U	ND	U
Benzo(b)fluoranthene	µg	ND	U	ND	U
Benzo(g,h,i)perylene	µg	ND	U	ND	U
Benzo(k)fluoranthene	µg	ND	U	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	ND	U	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	ND	U	ND	U
Di-n-Octylphthalate	µg	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U
Fluorene	µg	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	9		5.2	
Hexachlorocyclopentadiene	µg	ND	U	1	J/J
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	3.5		29	

Table 3.18
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - December 2005
American Chemical Service
Griffith, Indiana

		Sampled 12/8/2005			
Compounds	***Units***	***SBPA ISVE***		***Off-Site ISVE***	
Naphthalene	µg	30		58	
Nitrobenzene	µg	ND	U	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U
Pentachlorophenol	µg	ND	U	ND	U
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	3.8	J/J	3.8	J/J
Pyrene	µg	ND	U	ND	U
Total	µg	**152.66**		**164.90**	

Notes:
_/ = Laboratory data qualifier
/_ = Data validation qualifier
µg = Microgram
NC = Not calculated
ND = Non-detect

Table 3.19
Off-Site In-Situ Vapor Extraction (ISVE) System Well Monitoring Data
Fourth Quarter 2005
American Chemical Service
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-01	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	92	0	
	12/30/2005	0	95	Water	
SVE-02	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	86	0	
	12/30/2005	106	89	435	
SVE-03	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	0	80	Water	
SVE-04	10/18/2005	-	-	-	System Turned Off
	11/23/2005	62	100	0	Vacuum >100
	12/30/2005	160	100	1	Vacuum >100
SVE-05	10/18/2005	-	-	-	System Turned Off
	11/23/2005	246	86	0	
	12/30/2005	254	92	Water	
SVE-06	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	70	0	
	12/30/2005	79	76	Water	
SVE-07	10/18/2005	-	-	-	System Turned Off
	11/23/2005	125	66	0	
	12/30/2005	157	70	14	
SVE-08	10/18/2005	-	-	-	System Turned Off
	11/23/2005	74	83	0	
	12/30/2005	0	85	Water	
SVE-09	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	0	28	56	
SVE-10	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	-	26	85	
SVE-11	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	84	0	
	12/30/2005	-	84	92	
SVE-12	10/18/2005	-	-	-	System Turned Off
	11/23/2005	91	76	0	
	12/30/2005	170	32	Water	
SVE-13	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	82	0	
	12/30/2005	0	85	521	
SVE-14	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	Water	64	2990	
SVE-15	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	48	45	275	
SVE-16	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	Water	50	Water	
SVE-17	10/18/2005	-	-	-	System Turned Off
	11/23/2005	Water	88	0	Water in Riser
	12/30/2005	Water	90	Water	

Table 3.19
Off-Site In-Situ Vapor Extraction (ISVE) System Well Monitoring Data
Fourth Quarter 2005
American Chemical Service
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-18	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	86	0	
	12/30/2005	0	88	81	
SVE-19	10/18/2005	-	-	-	System Turned Off
	11/23/2005	156	75	0	
	12/30/2005	69	83	88	
SVE-20	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	17	49	19	
SVE-21	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	Water	50	17	
SVE-22	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	90	0	
	12/30/2005	60	87	3135	
SVE-23	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	79	30	3285	
SVE-24	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	39	37	1515	
SVE-25	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	67	49	1842	
SVE-26	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	70	72	44	
SVE-27	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	85	0	
	12/30/2005	16	88	724	
SVE-28	10/18/2005	-	-	-	System Turned Off
	11/23/2005	Water	91	0	Liquid in Riser
	12/30/2005	52	90	583	
SVE-29	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	0	26	478	
SVE-30	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	89	0	
	12/30/2005	0	93	403	
SVE-31	10/18/2005	-	-	-	System Turned Off
	11/23/2005	37	80	0	
	12/30/2005	0	83	-	PID Malfunctioned
SVE-32	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	45	60	-	PID Malfunctioned
SVE-33	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	58	0	
	12/30/2005	0	88	-	PID Malfunctioned
SVE-34	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	43	60	-	PID Malfunctioned

Table 3.19
Off-Site In-Situ Vapor Extraction (ISVE) System Well Monitoring Data
Fourth Quarter 2005
American Chemical Service
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-35	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	120	47	-	PID Malfunctioned
SVE-36	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	88	0	
	12/30/2005	0	90	401	
SVE-37	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	100	0	
	12/30/2005	Water	100	-	Vacuum >100 PID Malfunctioned
SVE-38	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	58	0	
	12/30/2005	81	64	484	
SVE-39	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	62	38	Water	
SVE-40	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	83	44	1119	
SVE-41	10/18/2005	-	-	-	System Turned Off
	11/23/2005	-	-	-	
	12/30/2005	0	43	1013	
SVE-42	10/18/2005	-	-	-	System Turned Off
	11/23/2005	0	81	0	
	12/30/2005	23	83	454	

Notes:
"-" = data not collected
"Water" - water present in vapor stream, preventing data collection

Table 3.20
Off-Site In-Situ Vapor Extraction (ISVE) System Header Monitoring Data - Fourth Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

Date	KP1 Line Press (psia)	KP1 Flow (scfm)	KP1 Vac (" H_2O)	KP2 Line Press (psia)	KP2 Flow (scfm)	KP2 Vac (" H_2O)	OFCA1 Vac (" H_2O)	OFCA2 Vac (" H_2O)	OFCA3 Vac (" H_2O)	Dilution Flow (cfm)	Blower Inf Line Press (psia)	Blower Inf Flow (scfm)
10/18/2005	NM	-	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/23/2005	11.4	-	84	11.5	536	82	82	78	82	0	11.2	1184
12/30/2005	11.5	-	86	11.6	0	84	84	76	86	0	11.4	1195

Date	Blower Inf Vac (" H2O)	Blower Inf VOC (ppm)	Blower Inf Temp. (°F)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (°F)	Filter Diff Press (" H_2O)	Ambient Temperature (°F)	Barometric Pressure ("Hg)	Humidity (%)
10/18/2005	NM	-	NM	NM	NM	NM	-	NM	NM	55	29.82	59%
11/23/2005	90	-	60	15.0	517	16.0	-	150	5.0	37	29.42	84%
12/30/2005	91	-	58	15.3	547	17.0	-	148	5.0	34	29.83	88%

Notes:

"-" = data not collected
scfm = standard cubic feet per minute
" H_20 = inches of water
ppm = parts per million
VOCs = volatile organic compounds
psia = pounds per square inch, atmosphere
" Hg = inches of mercury
°F = degrees Fahrenheit

Table 3.21
SBPA In-Situ Vapor Extraction (ISVE) System Well Monitoring
Fourth Quarter 2005
American Chemical Service
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-43	10/18/2005	21	62	107	
	11/23/2005	0	60	70	
	12/30/2005	0	61	-	PID Malfunctioned
SVE-44	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	0	63	-	PID Malfunctioned
SVE-45	10/18/2005	0	66	132	
	11/23/2005	0	64	37	
	12/30/2005	0	64	-	PID Malfunctioned
SVE-46	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-47	10/18/2005	0	69	101	
	11/23/2005	0	68	37	
	12/30/2005	17	68	-	PID Malfunctioned
SVE-48	10/18/2005	0	93	100	
	11/23/2005	12	67	317	
	12/30/2005	26	74	-	PID Malfunctioned
SVE-49	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	0	83	-	PID Malfunctioned
SVE-50	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005				Air Injection Well
SVE-51	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	0	92	-	PID Malfunctioned
SVE-52	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-53	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-54	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005				Air Injection Well
SVE-55	10/18/2005	45	60	29	
	11/23/2005	0	60	303	
	12/30/2005	0	60	-	PID Malfunctioned
SVE-56	10/18/2005	12	62	83	
	11/23/2005	0	61	169	
	12/30/2005	0	62	-	PID Malfunctioned
SVE-57	10/18/2005	0	73	NM	VOCs not measured
	11/23/2005	30	60	104	
	12/30/2005	24	60	-	PID Malfunctioned
SVE-58	10/18/2005	26	73	105	
	11/23/2005	0	67	54	
	12/30/2005	65	68	-	PID Malfunctioned
SVE-59	10/18/2005	45	64	133	
	11/23/2005	0	64	58	
	12/30/2005	20	97	-	PID Malfunctioned
SVE-60	10/18/2005	0	77	158	
	11/23/2005	0	85	158	
	12/30/2005	0	98	-	PID Malfunctioned

Table 3.21
SBPA In-Situ Vapor Extraction (ISVE) System Well Monitoring
Fourth Quarter 2005
American Chemical Service
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-61	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-62	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-63	10/18/2005	34	62	167	
	11/23/2005	17	60	851	
	12/30/2005	41	65	-	PID Malfunctioned
SVE-64	10/18/2005	0	64	184	
	11/23/2005	0	62	1165	
	12/30/2005	0	63	-	PID Malfunctioned
SVE-65	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	0	58	-	PID Malfunctioned
SVE-66	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-67	10/18/2005	45	38	NM	Liquid in riser pipe
	11/23/2005	Water	33	640	Water in Riser
	12/30/2005	Water	59	-	PID Malfunctioned
SVE-68	10/18/2005	38	64	81	
	11/23/2005	29	63	747	
	12/30/2005	0	66	-	PID Malfunctioned
SVE-69	10/18/2005	-	-	-	
	11/23/2005	95	58	195	
	12/30/2005	-	-	-	
SVE-70	10/18/2005	11	95	110	
	11/23/2005	28	98	118	
	12/30/2005	32	100	-	PID Malfunctioned
SVE-71	10/18/2005	0	70	113	
	11/23/2005	0	93	84	
	12/30/2005	0	95	-	PID Malfunctioned
SVE-72	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-73	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005				Air Injection Well
SVE-74	10/18/2005	0	76	2601	
	11/23/2005	0	65	0	
	12/30/2005	0	70	-	PID Malfunctioned
SVE-75	10/18/2005	108	71	196	
	11/23/2005	112	67	759	
	12/30/2005	114	75	-	PID Malfunctioned
SVE-76	10/18/2005	0	66	214	
	11/23/2005	0	64	663	
	12/30/2005	0	70	-	PID Malfunctioned
SVE-77	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-78	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	

Table 3.21
SBPA In-Situ Vapor Extraction (ISVE) System Well Monitoring
Fourth Quarter 2005
American Chemical Service
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-79	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-80	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	
SVE-81	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005				Air Injection Well
SVE-82	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	12	68	-	PID Malfunctioned
SVE-83	10/18/2005	0	67	150	
	11/23/2005	0	100	122	Vacuum >100"
	12/30/2005	0	100	-	Vacuum >100", PID Malfunctioned
SVE-84	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	32	58	-	PID Malfunctioned
SVE-85	10/18/2005	20	74	1529	
	11/23/2005	0	68	98	
	12/30/2005	0	69	-	PID Malfunctioned
SVE-86	10/18/2005	34	69	130	
	11/23/2005	24	63	131	
	12/30/2005	31	78	-	PID Malfunctioned
SVE-87	10/18/2005	30	97	698	
	11/23/2005	0	80	160	
	12/30/2005	23	83	-	PID Malfunctioned
SVE-88	10/18/2005	-	-	-	
	11/23/2005	-	-	-	
	12/30/2005	-	-	-	

Notes:

"-" = data not collected

"Water" - water present in vapor stream, preventing data collection

Table 3.22
SBPA In-Situ Vapor Extraction (ISVE) System Header Monitoring Data - Fourth Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

Date	Line Press (psia)	Flow (scfm)	Vac (" H_2O)	Line Press (psia)	Flow (scfm)	Vac (" H_2O)	Dilution Flow (cfm)	Blower Inf Line Press (psia)	Blower Inf Flow (scfm)	Blower Inf Vac (" H2O)	Blower Inf VOC (ppm)
10/18/2005	14.3	0	10	14.4	0	7	0	14.7	0	0	-
11/23/2005	12.0	0	68	14.2	175	8	0	14.5	0	0	-
12/30/2005	12.0	0	73	12.1	229	72	0	14.7	472	0	-

Date	Blower Inf Temp. (°F)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (°F)	Filter Diff Press (" H_2O)	Ambient Temperature (°F)	Barometric Pressure ("Hg)	Humidity (%)
10/18/2005	41	14.7	233	0.0	-	124	1.0	55	29.82	59%
11/23/2005	40	14.9	1157	13.0	-	120	7.0	37	29.42	84%
12/30/2005	39	15.1	1270	12.0	-	118	7.0	34	29.83	88%

Notes:

"-" = data not collected
scfm = standard cubic feet per minute
" H_20 = inches of water
ppm = parts per million
VOCs = volatile organic compounds
psia = pounds per square inch, atmosphere
" Hg = inches of mercury
°F = degrees Fahrenheit

Table 6.1
Water Table Elevations Across the Barrier Wall and Near the PGCS - Fourth Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

Upper Aquifer Wells

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW11	6377	7329	640.47	9.94	630.53		n/a
MW13	5050	7814	634.08	3.41	630.67		n/a
MW37	5395	7976	636.78	6.69	630.09		n/a
MW46	4526	7424	633.32	2.76	630.56		n/a
MW48	5669	7814	636.36	6.20	630.16		n/a
MW49	5551	7650	637.00	6.83	630.17		n/a

Staff Gauges & Piezometers

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P23	4689	7018	636.18	7.06	629.12		n/a
P25	5131	7510	633.33	2.41	630.92	Resurveyed	n/a
P26	4764	7309	634.23	3.86	630.37		n/a
P27	4904	7020	639.70	11.75	627.95		n/a
P28	5883	7486	644.53	14.37	630.16		n/a
P32	5746	7026	642.32	12.64	629.68		n/a
P40	5931	7241	638.77	8.43	630.34		n/a
P41	5663	7377	637.23	6.45	630.78		n/a
P49	5145	6949	638.98	10.90	628.08		n/a
SG13	4819	7209	631.53	4.86	630.39	Ice; TOSG = 6.0' mark	n/a

PGCS Piezometer Sets

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P81	5577	7581	636.19	6.63	629.56	Only 0.02 ft of water	n/a
P82	5577	7572	635.77	6.63	629.14		n/a
P83	5577	7561.6	635.95	6.17	629.78		n/a
P84	5322	7603	634.35	4.13	630.22		n/a
P85	5326	7594	634.08	3.92	630.16		n/a
P86	5329	7585	634.41	4.40	630.01		n/a
P87	5121	7466	633.88	3.60	630.28		n/a
P88	5130	7460	633.90	3.87	630.03		n/a
P89	5137	7454	634.02	4.01	630.01		n/a
P90	4881	7152	634.45	6.98	627.47		n/a
P91	4889	7145	634.59	7.77	626.82		n/a
P92	4896	7138.1	633.87	6.92	626.95		n/a

Table 6.1
Water Table Elevations Across the Barrier Wall and Near the PGCS - Fourth Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

BWES Water Level and Piezometer Pairs

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P93R - Outside BW	TBD	TBD	639.05	10.19	628.86	Installed Nov. 2004	-2.84
P94R - Inside BW	TBD	TBD	640.99	14.97	626.02	Installed Nov. 2004	
P95 - Outside BW	5146	6532	638.58	8.91	629.67		-3.54
P96 - Inside BW	5156	6537	641.26	15.13	626.13	TD=17.80 (623.46)	
P105 - Outside BW	5885	6678	638.86	7.97	630.89		-3.63
P106 - Inside BW	5871	6685	638.10	10.84	627.26		
P107 - Outside BW	5766	7339	637.42	7.33	630.09		-0.81
P108 - Inside BW	5757	7324	638.13	8.85	629.28		
P109 - Outside BW	5740	6387	644.30	13.46	630.84		-4.65
P110 - Inside BW	5705	6382	647.68	21.49	626.19		
P111 - Outside BW	5551	5950	650.03	19.53	630.50		-5.82
P112 - Inside BW	5525	5960	653.36	28.68	624.68		
P113 - Inside BW	5309	5693	657.53	31.93	625.60		-4.63
ORCPZ102 - Outside BW	5331	5612	652.47	22.24	630.23		
P114 - Inside BW	5035	5729	653.69	27.84	625.85		-4.41
P115 - Outside BW	4970	5708	652.50	22.24	630.26		
P116 - Inside BW	5031	6087	646.26	20.56	625.70		-5.73
P117 - Outside BW	5014	6087	643.93	12.50	631.43		
P118 - Inside BW	5402	6539	645.52	19.56	625.96		n/a

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TOIC = top of inner casing

TOC = top of casing

TOSG = top of staff gauge

CNM = could not measure (reason given under "Notes" column)

n/a = not applicable

1 = *A positive value indicates that the water level is higher inside the barrier wall. A negative value indicates that the water* level is lower inside the barrier wall.

JEF/jdp/jmf

J:\209\0603 ACS\0301 GWTP\6030301a172.xls[Elevations]

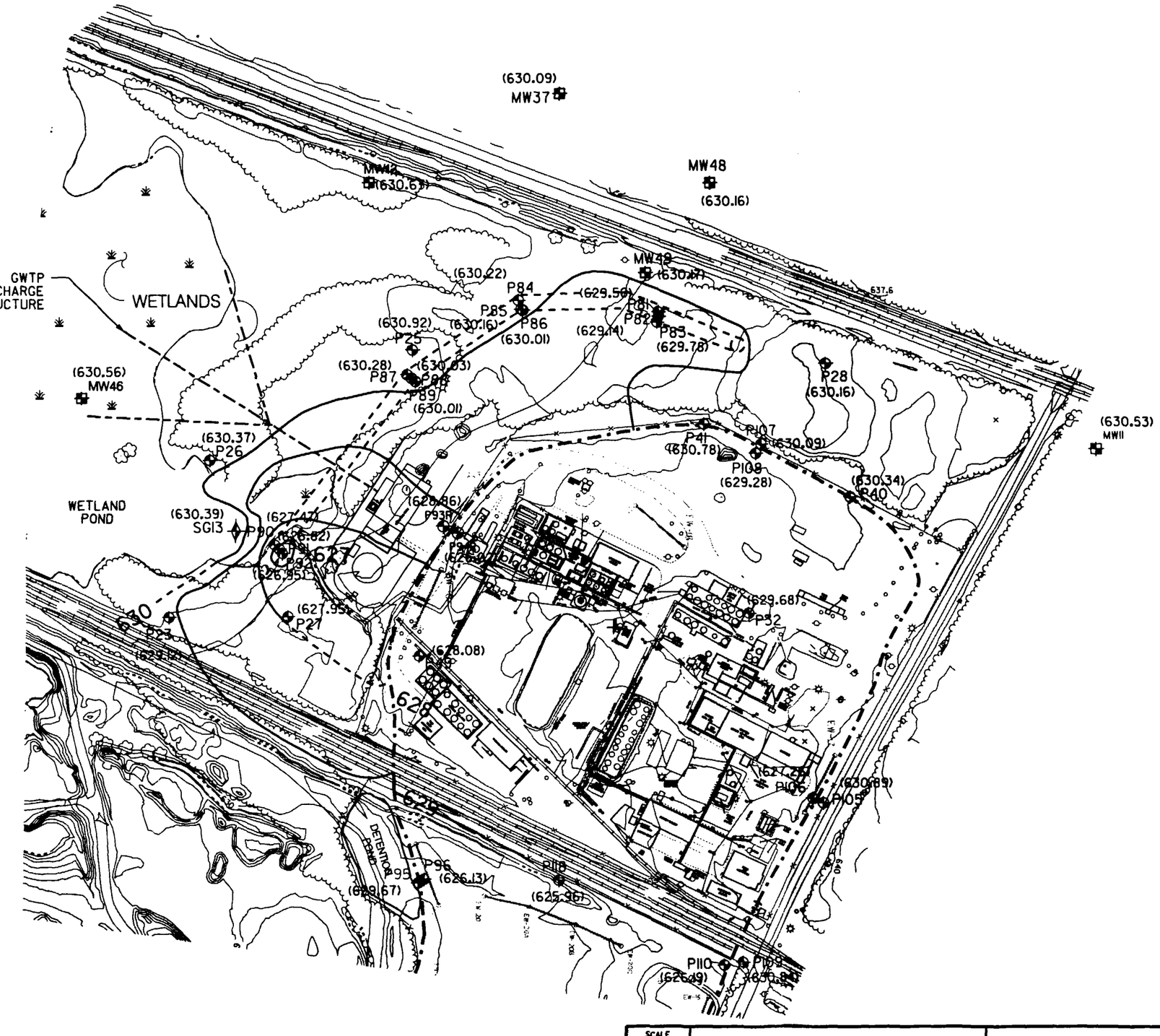
Table 6.2
Water Levels Inside Barrier Wall - Fourth Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

Date	On-Site Area					
	Target Level	P-29	P-31	P-32	P-36	P-49
10/14/2005	629.0	630.4	630.9	629.7	628.7	627.7
10/28/2005	629.0	630.4	630.9	629.7	628.7	627.7
11/11/2005	629.0	630.4	630.9	629.7	628.7	627.7
12/9/2005	629.0	630.4	630.9	629.7	628.7	627.7

Date	Off-Site Area										
	Target Level	P-96	P-110	P-112	P-113	P-114	P-116	P-118	AS-7	AS-8	AS-9
10/14/2005	626.0	621.6	626.8	625.3	626.2	626.6	626.5	626.2	NM	NM	NM
10/18/2005	626.0	NM	NM	NM	NM	NM	NM	NM	627.38	627.05	626.69
10/28/2005	626.0	621.4	626.7	625.0	626.3	626.7	626.7	626.1	NM	NM	NM
11/11/2005	626.0	621.8	626.9	625.2	626.1	626.4	626.3	626.1	NM	NM	NM
11/23/2005	626.0	NM	NM	NM	NM	NM	NM	NM	627.82	627.01	626.18
12/9/2005	626.0	623.1	626.5	624.8	625.9	626.1	625.9	626.1	NM	NM	NM
12/30/2005	626.0	NM	NM	NM	NM	NM	NM	NM	619.64	626.86	625.86

Notes:
All water level elevations are in feet AMSL.
Measurements were not taken during January due to frozen weather conditions.

FIGURES



0 200
SCALE IN FEET

LEGEND

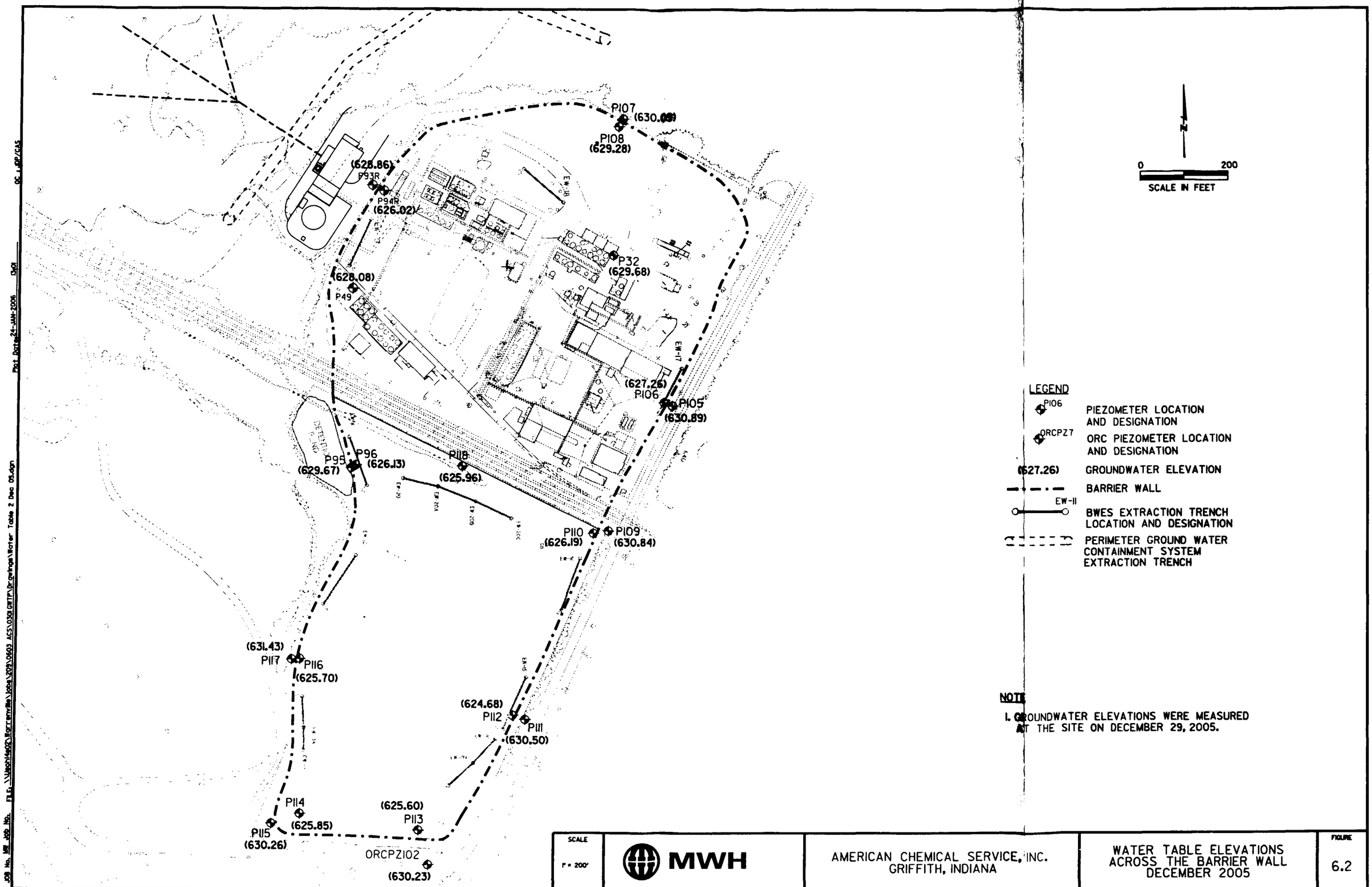
P106	PIEZOMETER LOCATION AND DESIGNATION
SG13	STAFF GAUGE LOCATION AND DESIGNATION
MW13	MONITORING WELL LOCATION AND DESIGNATION
(630.67)	GROUNDWATER ELEVATION
	BARRIER WALL
	PERIMETER GROUND WATER CONTAINMENT SYSTEM EXTRACTION TRENCH
	BWES EXTRACTION TRENCH LOCATION AND DESIGNATION
—630	GROUNDWATER ELEVATION CONTOUR BASED ON GROUNDWATER ELEVATION DATA
- - -627	CONTOUR LINE DASHED WHERE ELEVATION IS INFERRED

NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON DECEMBER 29, 2005.

SCALE				FIGURE
1" = 200'	MWH	AMERICAN CHEMICAL SERVICE, INC. GRIFFITH, INDIANA	WATER TABLE ELEVATIONS NEAR THE PGCS DECEMBER 2005	6.1

JOB No. MW Job No. FILE: \\Uschi4s02\Warrenville\Jobs\209\0603 ACS\0301GWTP\Drawings\Water Table 1Dec 05.dgn Plot Date: 30-MAR-2006 16:04 QC: JF/DPP



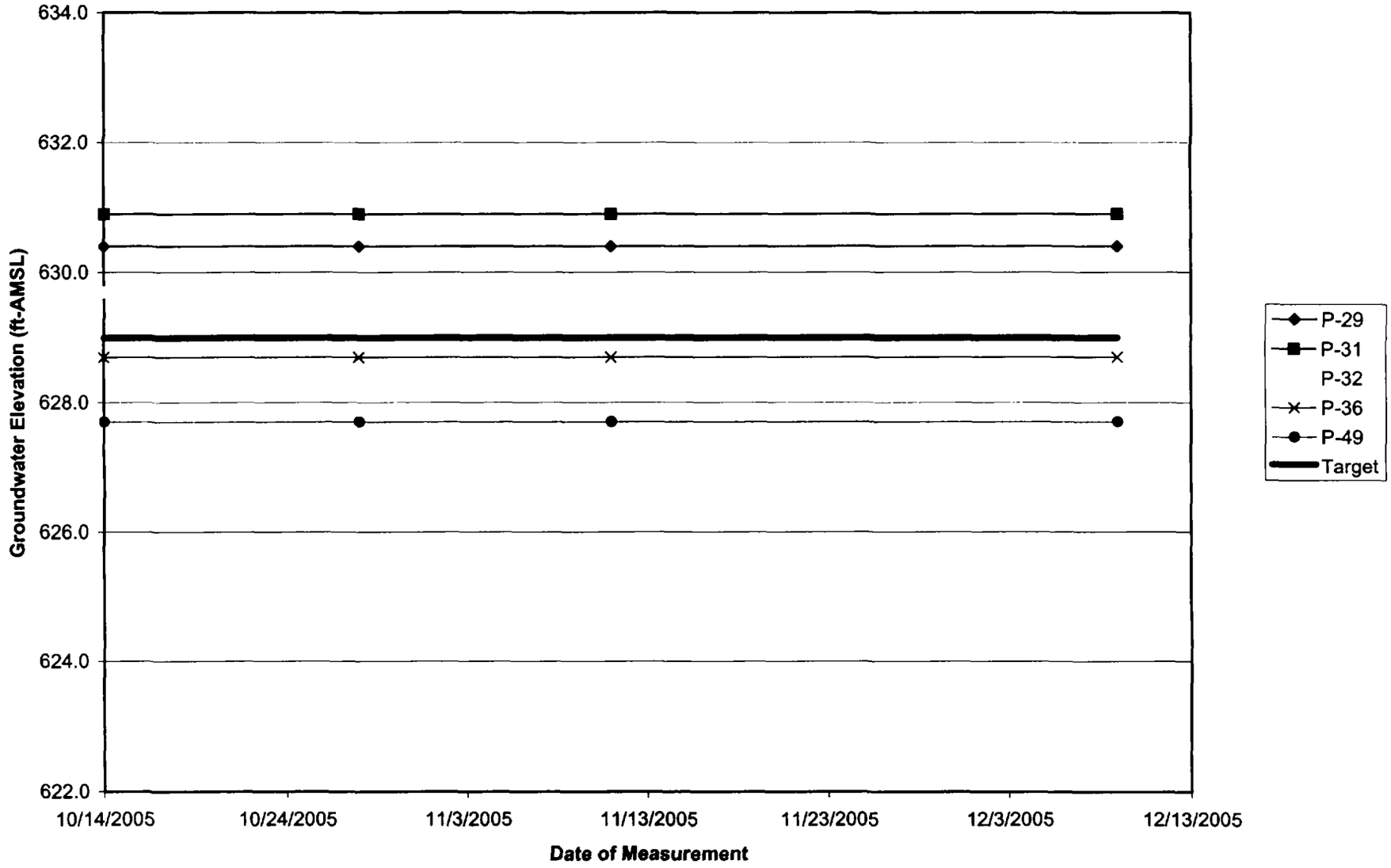
NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON DECEMBER 29, 2005.

SCALE				FIGURE
1" = 200'	MWH	AMERICAN CHEMICAL SERVICE, INC. GRIFFITH, INDIANA	WATER TABLE ELEVATIONS ACROSS THE BARRIER WALL DECEMBER 2005	6.2

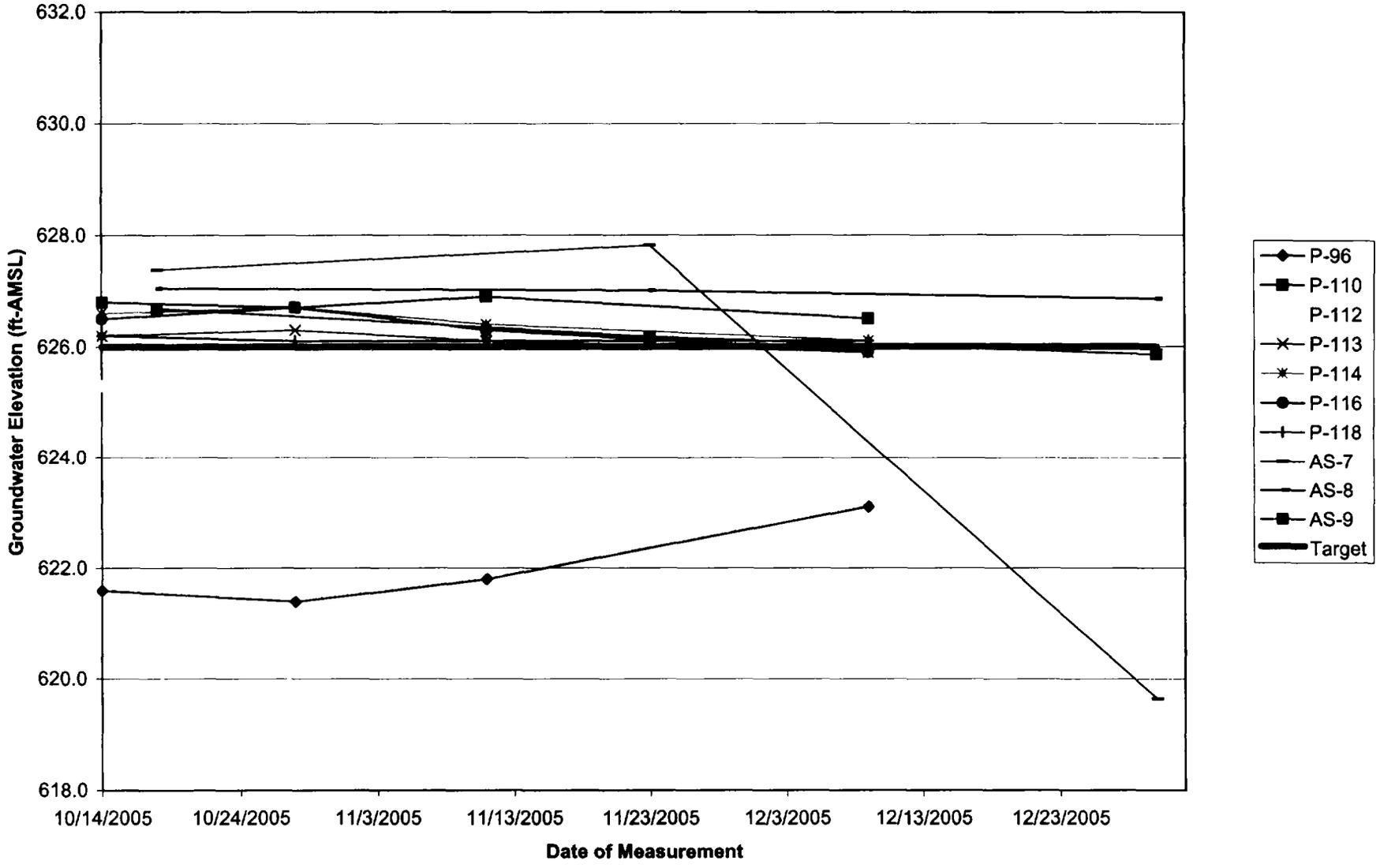
JOB No. MW Job No. FILE: \\Uephi4e02\Warrenville\Jobs\209\0603 ACS\0301GWTP\Drawings\Water Table 2 Dec 05.dgn Plot Date: 24-JAN-2006 13:01 QC: JDP/CAS

Figure 6.3
Water Level Trends Inside the Barrier Wall (Still Bottoms Pond Area)
ACS NPL Site
Griffith, Indiana



JEF/jdp
J:\209\0603 ACS\0301 GWTP\6030301a172.xls\SBPA GW Trends

Figure 6.4
Water Level Trends Inside the Barrier Wall (Off-Site Area)
ACS NPL Site
Griffith, Indiana



JEF/jdp
J:\209\0603 ACS\0301 GWTP\6030301a172.xls\Off-Site GW Trends

APPENDIX A

EFFLUENT ANALYTICAL DATA

October 10, 2005 Compliance Sample
Laboratory Results

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8010

Matrix: (soil/water) WATER Lab Sample ID: 801001

Sample wt/vol: 25 (g/ml) ML Lab File ID: 801001A73

Level: (low/med) LOW Date Received: 10/11/05

% Moisture: not dec. _____ Date Analyzed: 10/12/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U
67-64-1	Acetone	2.5	U uJ
75-09-2	Methylene Chloride	1.0	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-butanone	2.5	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U

FORM I VOA

11/14/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8010

Matrix: (soil/water) WATER Lab Sample ID: 801001

Sample wt/vol: 25 (g/ml) ML Lab File ID: 801001A73

Level: (low/med) LOW Date Received: 10/11/05

% Moisture: not dec. _____ Date Analyzed: 10/12/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
540-59-0	1,2-Dichloroethene (total)	0.50	U
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

11/14/05

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8010

Matrix: (soil/water) WATER Lab Sample ID: 801001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 801001A66

Level: (low/med) LOW Date Received: 10/11/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/13/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/19/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
111-44-4	Bis(2-chloroethyl)ether	9.6	U
106-44-5	4-Methylphenol	20	U
78-59-1	Isophorone	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	1.7	J 6.0 uB

11/14/05

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8010

Matrix: (soil/water) WATER Lab Sample ID: 801001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 801001A60

Level: (low/med) LOW Date Received: 10/11/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/13/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-86-5	Pentachlorophenol	1.0	U

11/14/05

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8010

Matrix: (soil/water) WATER Lab Sample ID: 801001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/14/05

Concentrated Extract Volume: 2500(uL) Date Analyzed: 10/18/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.47	U
11104-28-2------	Aroclor-1221	0.63	U
11141-16-5------	Aroclor-1232	0.47	U
53469-21-9------	Aroclor-1242	0.31	U
12672-29-6------	Aroclor-1248	0.31	U
11097-69-1------	Aroclor-1254	0.31	U
11096-82-5------	Aroclor-1260	0.47	U

FORM I PEST

11/14/05

SW846-METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8010

Matrix (soil/water): WATER Lab Sample ID: 801001

Level (low/med): LOW Date Received: 10/11/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	10.4			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.50	U		P
7439-97-6	Mercury	0.64	U		CV
7439-96-5	Manganese	14.6		B	P
7782-49-2	Selenium	4.5	U		P
7440-28-0	Thallium	4.0	U		P
7440-66-6	Zinc	2.1	B	UB	P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

11/14/05

CompuChem
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CompuChem a Division of Liberty Analytical
Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 8010
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID:	801001	Date Collected:	10/10/2005 14:00	Matrix:	Water
Sample ID:	EFFLUENT	Date Received:	10/11/2005 12:04		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
PH OF WATER 150.1			Analytical Method: EPA 150.1								
PH-150.1	7.22	PH UNITS	0.00	1			10/17/2005	2477		J	
TTL SSPND SOLIDS (TSS) 160.2 W			Analytical Method: EPA 160.2								
TSS	0.800B	mg/L	1.00	1			10/17/2005	2152			

11/14/05

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November 10, 2005 Compliance Sample
Laboratory Results

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8438

Matrix: (soil/water) WATER Lab Sample ID: 843801

Sample wt/vol: 25 (g/ml) ML Lab File ID: 843801RA61

Level: (low/med) LOW Date Received: 11/11/05

% Moisture: not dec. _____ Date Analyzed: 11/15/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	0.50	U	UJ
75-01-4	Vinyl Chloride	0.50	U	
74-83-9	Bromomethane	0.50	U	UJ
75-00-3	Chloroethane	0.50	U	
75-35-4	1,1-Dichloroethene	0.50	U	
75-15-0	Carbon disulfide	0.50	U	
67-64-1	Acetone	2.5	U	UJ
75-09-2	Methylene Chloride	0.64		
156-60-5	trans-1,2-Dichloroethene	0.50	U	
75-34-3	1,1-Dichloroethane	0.50	U	
156-59-2	cis-1,2-Dichloroethene	0.50	U	
78-93-3	2-butanone	2.5	U	
67-66-3	Chloroform	0.50	U	
71-55-6	1,1,1-Trichloroethane	0.50	U	
56-23-5	Carbon Tetrachloride	0.50	U	
71-43-2	Benzene	0.50	U	
107-06-2	1,2-Dichloroethane	0.50	U	
79-01-6	Trichloroethene	0.50	U	
78-87-5	1,2-Dichloropropane	0.50	U	
75-27-4	Bromodichloromethane	0.50	U	
10061-01-5	cis-1,3-Dichloropropene	0.50	U	
108-10-1	4-Methyl-2-pentanone	2.5	U	UJ
108-88-3	Toluene	0.50	U	
10061-02-6	trans-1,3-Dichloropropene	0.50	U	
79-00-5	1,1,2-Trichloroethane	0.50	U	
127-18-4	Tetrachloroethene	0.50	U	
591-78-6	2-hexanone	2.5	U	UJ
124-48-1	Dibromochloromethane	0.50	U	
108-90-7	Chlorobenzene	0.50	U	
100-41-4	Ethylbenzene	0.50	U	
108-38-3	m,p-Xylene	1.0	U	
95-47-6	o-Xylene	0.50	U	
100-42-5	Styrene	0.50	U	

FORM I VOA

11/16/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8438

Matrix: (soil/water) WATER Lab Sample ID: 843801

Sample wt/vol: 25 (g/ml) ML Lab File ID: 843801RA61

Level: (low/med) LOW Date Received: 11/11/05

% Moisture: not dec. _____ Date Analyzed: 11/15/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
540-59-0	1,2-Dichloroethene (total)	0.50	U
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

12/28/05

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Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 8438
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 843801 Date Collected: 11/10/2005 11:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 11/11/2005 11:51

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
PH OF WATER 150.1			Analytical Method: EPA 150.1								
PH-150.1	7.72	PH UNITS	NA	1			11/21/2005	2477		J	

Date: 11/30/2005

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12/12/05

December 14, 2005 Compliance Sample
Laboratory Results

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8742

Matrix: (soil/water) WATER Lab Sample ID: 874201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 874201A61

Level: (low/med) LOW Date Received: 12/15/05

% Moisture: not dec. _____ Date Analyzed: 12/16/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	UuJ
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U
67-64-1	Acetone	2.5	UuJ
75-09-2	Methylene Chloride	0.67	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-butanone	2.5	UuJ
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	2.5	U
108-88-3	Toluene	0.17	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U

FORM I VOA

HH0/1206

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 8742

Matrix: (soil/water) WATER Lab Sample ID: 874201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 874201A61

Level: (low/med) LOW Date Received: 12/15/05

% Moisture: not dec. _____ Date Analyzed: 12/16/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
540-59-0	1,2-Dichloroethene (total)	0.50	U
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

4H01206

COMPUCHEM
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Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 8742
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID:	874201	Date Collected:	12/14/2005 14:00	Matrix:	Water
Sample ID:	EFFLUENT	Date Received:	12/15/2005 14:03		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
PH OF WATER 150.1			Analytical Method: EPA 150.1								
PH-150.1	8.00	PH UNITS	J	NA	1		12/28/2005	2477			

Date: 12/28/2005

MM 01/20/06

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APPENDIX B

THERMAL OXIDIZER OFF-GAS ANALYTICAL DATA

October 11, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0510221B-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.9
1,4-Dichlorobenzene	1.0	6.5
1,2-Dichlorobenzene	1.0	52
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	31
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	2.1
Naphthalene	1.0	56
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.2
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	12
Hexachlorocyclopentadiene	20	0.63 J 15
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected /R
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0510221B-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.23 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.81 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	38 Q	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	87	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	77	60-120
Pyrene-d10	81	60-120

CTCS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0510221B-01AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.8
1,4-Dichlorobenzene	1.0	6.3
1,2-Dichlorobenzene	1.0	52
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	32
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	2.1
Naphthalene	1.0	57
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	12
Hexachlorocyclopentadiene	20	0.48 J 15
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected 1R
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0510221B-01AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.27 J /5
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.90 J /5
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	40 Q	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	88	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	77	60-120
Pyrene-d10	81	60-120

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AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0510221B-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	10
1,4-Dichlorobenzene	1.0	28
1,2-Dichlorobenzene	1.0	120
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	11
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.6
Naphthalene	1.0	100
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	20
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	68
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.38 J 15
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected 1PC
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.32 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0510221B-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.27 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.1
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	20 Q	50-150
Phenol-d5	114	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	92	50-150
Fluorene-d10	79	60-120
Pyrene-d10	82	60-120

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0510221B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	6.3
1,4-Dichlorobenzene	1.0	17
1,2-Dichlorobenzene	1.0	74
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	6.0
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.90 J 15
Naphthalene	1.0	63
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	12
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	43
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.23 J 15
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected 1R
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.24 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0510221B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.76 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	19 Q	50-150
Phenol-d5	100	50-150
Nitrobenzene-d5	81	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	81	60-120
Pyrene-d10	84	60-120

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0510221B-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	7.7
1,4-Dichlorobenzene	1.0	21
1,2-Dichlorobenzene	1.0	93
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	7.4
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.3
Naphthalene	1.0	83
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	15
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	54
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.29 J /5
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected /R
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.25 J /5
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0510221B-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.22 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	4.2
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	19 Q	50-150
Phenol-d5	99	50-150
Nitrobenzene-d5	78	50-150
2,4,6-Tribromophenol	87	50-150
Fluorene-d10	75	60-120
Pyrene-d10	79	60-120

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AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0510221B-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected /R
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0510221B-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.52 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	70	50-150
Phenol-d5	76	50-150
Nitrobenzene-d5	77	50-150
2,4,6-Tribromophenol	81	50-150
Fluorene-d10	68	60-120
Pyrene-d10	75	60-120

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AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0510221B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.96 J
1,4-Dichlorobenzene	1.0	3.2
1,2-Dichlorobenzene	1.0	24
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	7.1
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.46 J
Naphthalene	1.0	8.1
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.7
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.99 J
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.22 J
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0510221B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.23 J B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.53 J B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	48 Q	50-150
Phenol-d5	73	50-150
Nitrobenzene-d5	91	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	77	60-120
Pyrene-d10	80	60-120

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AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0510221B-07A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.81 J
1,4-Dichlorobenzene	1.0	2.9
1,2-Dichlorobenzene	1.0	22
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	6.7
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.48 J
Naphthalene	1.0	8.8
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.7
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.91 J
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.30 J
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0510221B-07A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.27 J B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.40 J B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	63	50-150
Phenol-d5	72	50-150
Nitrobenzene-d5	87	50-150
2,4,6-Tribromophenol	86	50-150
Fluorene-d10	76	60-120
Pyrene-d10	78	60-120

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0510221B-08A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected /R
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.28 J /5
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0510221B-08A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.25 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.6
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	69	50-150
Phenol-d5	71	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	66	60-120
Pyrene-d10	76	60-120

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AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0510221B-09A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0510221B-09A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.27 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	74	50-150
Phenol-d5	76	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	78	50-150
Fluorene-d10	68	60-120
Pyrene-d10	72	60-120

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0510221B-10A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	%Recovery
Phenol	64
bis(2-Chloroethyl) Ether	Not Spiked
2-Chlorophenol	58
1,3-Dichlorobenzene	Not Spiked
1,4-Dichlorobenzene	54
1,2-Dichlorobenzene	Not Spiked
2-Methylphenol (o-Cresol)	Not Spiked
N-Nitroso-di-n-propylamine	73
4-Methylphenol/3-Methylphenol	Not Spiked
Hexachloroethane	Not Spiked
Nitrobenzene	Not Spiked
Isophorone	Not Spiked
2-Nitrophenol	Not Spiked
2,4-Dimethylphenol	Not Spiked
bis(2-Chloroethoxy) Methane	Not Spiked
2,4-Dichlorophenol	Not Spiked
1,2,4-Trichlorobenzene	62
Naphthalene	Not Spiked
4-Chloroaniline	Not Spiked
Hexachlorobutadiene	Not Spiked
4-Chloro-3-methylphenol	69
2-Methylnaphthalene	Not Spiked
Hexachlorocyclopentadiene	Not Spiked
2,4,6-Trichlorophenol	Not Spiked
2,4,5-Trichlorophenol	Not Spiked
2-Chloronaphthalene	Not Spiked
2-Nitroaniline	Not Spiked
Dimethylphthalate	Not Spiked
Acenaphthylene	Not Spiked
2,6-Dinitrotoluene	Not Spiked
3-Nitroaniline	Not Spiked
Acenaphthene	58 Q
2,4-Dinitrophenol	Not Spiked
4-Nitrophenol	58
2,4-Dinitrotoluene	70
Dibenzofuran	Not Spiked
Diethylphthalate	Not Spiked
Fluorene	Not Spiked
4-Chlorophenyl-phenyl Ether	Not Spiked
4-Nitroaniline	Not Spiked
4,6-Dinitro-2-methylphenol	Not Spiked

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0510221B-10A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	%Recovery
N-Nitrosodiphenylamine	Not Spiked
4-Bromophenyl-phenyl Ether	Not Spiked
Hexachlorobenzene	Not Spiked
Pentachlorophenol	66
Phenanthrene	Not Spiked
Anthracene	Not Spiked
di-n-Butylphthalate	Not Spiked
Fluoranthene	Not Spiked
Pyrene	71
Butylbenzylphthalate	Not Spiked
3,3'-Dichlorobenzidine	Not Spiked
Chrysene	Not Spiked
Benzo(a)anthracene	Not Spiked
bis(2-Ethylhexyl)phthalate	Not Spiked
Di-n-Octylphthalate	Not Spiked
Benzo(b)fluoranthene	Not Spiked
Benzo(k)fluoranthene	Not Spiked
Benzo(a)pyrene	Not Spiked
Indeno(1,2,3-c,d)pyrene	Not Spiked
Dibenz(a,h)anthracene	Not Spiked
Benzo(g,h,i)perylene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	62	50-150
Phenol-d5	63	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	66	60-120
Pyrene-d10	75	60-120

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0510221A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	450	290 J 15	1100	740 J
Bromomethane	450	Not Detected	1700	Not Detected
Chloroethane	450	Not Detected	1200	Not Detected
1,1-Dichloroethene	450	180 J 15	1800	700 J
Methylene Chloride	450	28000	1600	99000
1,1-Dichloroethane	450	3500	1800	14000
cis-1,2-Dichloroethene	450	3200	1800	13000
Chloroform	450	2200	2200	11000
1,1,1-Trichloroethane	450	28000	2400	150000
Carbon Tetrachloride	450	Not Detected	2800	Not Detected
Benzene	450	19000	1400	61000
1,2-Dichloroethane	450	960	1800	3900
Trichloroethene	450	21000	2400	110000
1,2-Dichloropropane	450	290 J 15	2100	1300 J
cis-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
Toluene	450	130000	1700	490000
trans-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	450	250 J 15	2400	1400 J
Tetrachloroethene	450	29000	3000	200000
Chlorobenzene	450	Not Detected	2000	Not Detected
Ethyl Benzene	450	19000	1900	83000
m,p-Xylene	450	86000	1900	370000
o-Xylene	450	32000	1900	140000
Styrene	450	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	450	Not Detected	3100	Not Detected
Bromodichloromethane	450	Not Detected	3000	Not Detected
Dibromochloromethane	450	Not Detected	3800	Not Detected
Chloromethane	1800	Not Detected	3700	Not Detected
Acetone	1800	12000	4200	28000
Carbon Disulfide	1800	160 J 15	5600	480 J
trans-1,2-Dichloroethene	1800	Not Detected	7100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1800	10000	5300	29000
4-Methyl-2-pentanone	1800	6800	7300	28000
2-Hexanone	1800	Not Detected	7300	Not Detected
Bromoform	1800	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0510221A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	105	70-130

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AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0510221A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	880	2500	2200	6400
Bromomethane	880	Not Detected	3400	Not Detected
Chloroethane	880	720 J	2300	1900 J
1,1-Dichloroethene	880	580 J	3500	2300 J
Methylene Chloride	880	6100	3000	21000
1,1-Dichloroethane	880	4100	3600	17000
cis-1,2-Dichloroethene	880	88000	3500	350000
Chloroform	880	8100	4300	39000
1,1,1-Trichloroethane	880	42000	4800	230000
Carbon Tetrachloride	880	Not Detected	5500	Not Detected
Benzene	880	21000	2800	67000
1,2-Dichloroethane	880	510 J	3600	2100 J
Trichloroethene	880	40000	4700	220000
1,2-Dichloropropane	880	880	4100	4100
cis-1,3-Dichloropropene	880	Not Detected	4000	Not Detected
Toluene	880	300000	3300	1100000
trans-1,3-Dichloropropene	880	Not Detected	4000	Not Detected
1,1,2-Trichloroethane	880	Not Detected	4800	Not Detected
Tetrachloroethene	880	80000	6000	550000
Chlorobenzene	880	360 J	4000	1600 J
Ethyl Benzene	880	36000	3800	160000
m,p-Xylene	880	220000	3800	960000
o-Xylene	880	96000	3800	420000
Styrene	880	Not Detected	3700	Not Detected
1,1,2,2-Tetrachloroethane	880	Not Detected	6000	Not Detected
Bromodichloromethane	880	Not Detected	5900	Not Detected
Dibromochloromethane	880	Not Detected	7500	Not Detected
Chloromethane	3500	Not Detected	7300	Not Detected
Acetone	3500	3700	8400	8800
Carbon Disulfide	3500	2200 J	11000	7000 J
trans-1,2-Dichloroethene	3500	Not Detected	14000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3500	2200 J	10000	6500 J
4-Methyl-2-pentanone	3500	Not Detected	14000	Not Detected
2-Hexanone	3500	Not Detected	14000	Not Detected
Bromoform	3500	Not Detected	36000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	102	70-130

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AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0510221A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	111	70-130

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0510221A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	900	2400	2300	6200
Bromomethane	900	Not Detected	3500	Not Detected
Chloroethane	900	700 J /5	2400	1800 J
1,1-Dichloroethene	900	510 J /5	3500	2000 J
Methylene Chloride	900	5800	3100	20000
1,1-Dichloroethane	900	4100	3600	16000
cis-1,2-Dichloroethene	900	83000	3500	330000
Chloroform	900	7800	4400	38000
1,1,1-Trichloroethane	900	40000	4900	220000
Carbon Tetrachloride	900	Not Detected	5600	Not Detected
Benzene	900	20000	2800	64000
1,2-Dichloroethane	900	540 J /5	3600	2200 J
Trichloroethene	900	38000	4800	200000
1,2-Dichloropropane	900	890 J /5	4100	4100
cis-1,3-Dichloropropene	900	Not Detected	4100	Not Detected
Toluene	900	280000	3400	1100000
trans-1,3-Dichloropropene	900	Not Detected	4100	Not Detected
1,1,2-Trichloroethane	900	Not Detected	4900	Not Detected
Tetrachloroethene	900	78000	6100	530000
Chlorobenzene	900	340 J /5	4100	1600 J
Ethyl Benzene	900	35000	3900	150000
m,p-Xylene	900	210000	3900	920000
o-Xylene	900	92000	3900	400000
Styrene	900	Not Detected	3800	Not Detected
1,1,2,2-Tetrachloroethane	900	Not Detected	6100	Not Detected
Bromodichloromethane	900	Not Detected	6000	Not Detected
Dibromochloromethane	900	Not Detected	7600	Not Detected
Chloromethane	3600	Not Detected	7400	Not Detected
Acetone	3600	3900	8500	9400
Carbon Disulfide	3600	2200 J /5	11000	6800 J
trans-1,2-Dichloroethene	3600	Not Detected	14000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3600	2400 J /5	10000	7000 J
4-Methyl-2-pentanone	3600	Not Detected	15000	Not Detected
2-Hexanone	3600	Not Detected	15000	Not Detected
Bromoform	3600	Not Detected	37000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	100	70-130

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0510221A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	106	70-130

CES
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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0510221A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	900	2400	2300	6100
Bromomethane	900	Not Detected	3500	Not Detected
Chloroethane	900	690 J /5	2400	1800 J
1,1-Dichloroethene	900	570 J /5	3500	2300 J
Methylene Chloride	900	5800	3100	20000
1,1-Dichloroethane	900	4000	3600	16000
cis-1,2-Dichloroethene	900	82000	3500	320000
Chloroform	900	7700	4400	38000
1,1,1-Trichloroethane	900	39000	4900	210000
Carbon Tetrachloride	900	Not Detected	5600	Not Detected
Benzene	900	20000	2800	64000
1,2-Dichloroethane	900	520 J /5	3600	2100 J
Trichloroethene	900	37000	4800	200000
1,2-Dichloropropane	900	900	4100	4200
cis-1,3-Dichloropropene	900	Not Detected	4100	Not Detected
Toluene	900	280000	3400	1100000
trans-1,3-Dichloropropene	900	Not Detected	4100	Not Detected
1,1,2-Trichloroethane	900	Not Detected	4900	Not Detected
Tetrachloroethene	900	78000	6100	530000
Chlorobenzene	900	380 J /5	4100	1700 J
Ethyl Benzene	900	34000	3900	150000
m,p-Xylene	900	210000	3900	910000
o-Xylene	900	91000	3900	400000
Styrene	900	Not Detected	3800	Not Detected
1,1,2,2-Tetrachloroethane	900	Not Detected	6100	Not Detected
Bromodichloromethane	900	Not Detected	6000	Not Detected
Dibromochloromethane	900	Not Detected	7600	Not Detected
Chloromethane	3600	Not Detected	7400	Not Detected
Acetone	3600	4500	8500	11000
Carbon Disulfide	3600	2300 J /5	11000	7000 J
trans-1,2-Dichloroethene	3600	Not Detected	14000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3600	2200 J /5	10000	6400 J
4-Methyl-2-pentanone	3600	Not Detected	15000	Not Detected
2-Hexanone	3600	Not Detected	15000	Not Detected
Bromoform	3600	Not Detected	37000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	102	70-130

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0510221A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	108	70-130

OES 11/15/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0510221A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	2.7	86	6.8	220
Bromomethane	2.7	Not Detected	10	Not Detected
Chloroethane	2.7	5.2	7.1	14
1,1-Dichloroethene	2.7	130	11	510
Methylene Chloride	2.7	67	9.3	230
1,1-Dichloroethane	2.7	14	11	56
cis-1,2-Dichloroethene	2.7	310	11	1200
Chloroform	2.7	23	13	110
1,1,1-Trichloroethane	2.7	98	15	530
Carbon Tetrachloride	2.7	Not Detected	17	Not Detected
Benzene	2.7	340	8.6	1100
1,2-Dichloroethane	2.7	2.6 J 15	11	10 J
Trichloroethene	2.7	190	14	1000
1,2-Dichloropropane	2.7	2.1 J 15	12	9.9 J
cis-1,3-Dichloropropene	2.7	1.4 J 15	12	6.4 J
Toluene	2.7	720	10	2700
trans-1,3-Dichloropropene	2.7	1.5 J 15	12	6.8 J
1,1,2-Trichloroethane	2.7	Not Detected	15	Not Detected
Tetrachloroethene	2.7	430	18	2900
Chlorobenzene	2.7	8.2	12	38
Ethyl Benzene	2.7	87	12	380
m,p-Xylene	2.7	510	12	2200
o-Xylene	2.7	220	12	940
Styrene	2.7	77	11	330
1,1,2,2-Tetrachloroethane	2.7	Not Detected	18	Not Detected
Bromodichloromethane	2.7	0.87 J 15	18	5.8 J
Dibromochloromethane	2.7	Not Detected	23	Not Detected
Chloromethane	11	65	22	130
Acetone	11	65	25	150
Carbon Disulfide	11	3.8 J 15	33	12 J
trans-1,2-Dichloroethene	11	88	42	350
2-Butanone (Methyl Ethyl Ketone)	11	28	32	83
4-Methyl-2-pentanone	11	13	44	53
2-Hexanone	11	1.3 J 15	44	5.4 J
Bromoform	11	Not Detected	110	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	103	70-130

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0510221A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	103	70-130

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0510221A-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	280	290	710	740
Bromomethane	280	Not Detected	1100	Not Detected
Chloroethane	280	140 J /J	730	360 J
1,1-Dichloroethene	280	120 J /J	1100	460 J
Methylene Chloride	280	21000	960	74000
1,1-Dichloroethane	280	2700	1100	11000
cis-1,2-Dichloroethene	280	3400	1100	14000
Chloroform	280	1700	1400	8100
1,1,1-Trichloroethane	280	20000	1500	110000
Carbon Tetrachloride	280	Not Detected	1700	Not Detected
Benzene	280	12000	890	39000
1,2-Dichloroethane	280	680	1100	2700
Trichloroethene	280	14000	1500	78000
1,2-Dichloropropane	280	220 J /J	1300	1000 J
cis-1,3-Dichloropropene	280	Not Detected	1300	Not Detected
Toluene	280	85000	1000	320000
trans-1,3-Dichloropropene	280	Not Detected	1300	Not Detected
1,1,2-Trichloroethane	280	170 J /J	1500	920 J
Tetrachloroethene	280	19000	1900	130000
Chlorobenzene	280	Not Detected	1300	Not Detected
Ethyl Benzene	280	10000	1200	45000
m,p-Xylene	280	48000	1200	210000
o-Xylene	280	17000	1200	74000
Styrene	280	Not Detected	1200	Not Detected
1,1,2,2-Tetrachloroethane	280	Not Detected	1900	Not Detected
Bromodichloromethane	280	Not Detected	1900	Not Detected
Dibromochloromethane	280	Not Detected	2400	Not Detected
Chloromethane	1100	Not Detected	2300	Not Detected
Acetone	1100	7200	2600	17000
Carbon Disulfide	1100	510 J /J	3500	1600 J
trans-1,2-Dichloroethene	1100	Not Detected	4400	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	5000	3300	15000
4-Methyl-2-pentanone	1100	4700	4600	19000
2-Hexanone	1100	Not Detected	4600	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0510221A-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	102	70-130

CTS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0510221A-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	280	700	710
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	110 J	720	300 J
1,1-Dichloroethene	270	120 J	1100	500 J
Methylene Chloride	270	21000	940	72000
1,1-Dichloroethane	270	2700	1100	11000
cis-1,2-Dichloroethene	270	3400	1100	13000
Chloroform	270	1600	1300	7700
1,1,1-Trichloroethane	270	20000	1500	110000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	14000	870	43000
1,2-Dichloroethane	270	660	1100	2700
Trichloroethene	270	14000	1500	78000
1,2-Dichloropropane	270	230 J	1200	1000 J
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	86000	1000	320000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	150 J	1500	830 J
Tetrachloroethene	270	19000	1800	130000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	11000	1200	49000
m,p-Xylene	270	50000	1200	220000
o-Xylene	270	18000	1200	78000
Styrene	270	Not Detected	1200	Not Detected
1,1,2,2-Tetrachloroethane	270	Not Detected	1900	Not Detected
Bromodichloromethane	270	Not Detected	1800	Not Detected
Dibromochloromethane	270	Not Detected	2300	Not Detected
Chloromethane	1100	Not Detected	2200	Not Detected
Acetone	1100	8300	2600	20000
Carbon Disulfide	1100	330 J	3400	1000 J
trans-1,2-Dichloroethene	1100	Not Detected	4300	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	7100	3200	21000
4-Methyl-2-pentanone	1100	4700	4400	19000
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	101	70-130

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0510221A-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	104	70-130

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0510221A-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.8	3.8	4.6	9.8
Bromomethane	1.8	Not Detected	6.9	Not Detected
Chloroethane	1.8	1.5 J	4.7	4.0 J
1,1-Dichloroethene	1.8	0.70 J	7.1	2.8 J
Methylene Chloride	1.8	94	6.2	320
1,1-Dichloroethane	1.8	12	7.2	50
cis-1,2-Dichloroethene	1.8	31	7.1	120
Chloroform	1.8	7.3	8.7	36
1,1,1-Trichloroethane	1.8	83	9.7	450
Carbon Tetrachloride	1.8	Not Detected	11	Not Detected
Benzene	1.8	62	5.7	200
1,2-Dichloroethane	1.8	3.1	7.2	13
Trichloroethene	1.8	62	9.6	330
1,2-Dichloropropane	1.8	1.1 J	8.2	4.9 J
cis-1,3-Dichloropropene	1.8	Not Detected	8.1	Not Detected
Toluene	1.8	370	6.7	1400
trans-1,3-Dichloropropene	1.8	Not Detected	8.1	Not Detected
1,1,2-Trichloroethane	1.8	Not Detected	9.7	Not Detected
Tetrachloroethene	1.8	87	12	590
Chlorobenzene	1.8	Not Detected	8.2	Not Detected
Ethyl Benzene	1.8	50	7.8	220
m,p-Xylene	1.8	240	7.8	1000
o-Xylene	1.8	90	7.8	390
Styrene	1.8	Not Detected	7.6	Not Detected
1,1,2,2-Tetrachloroethane	1.8	Not Detected	12	Not Detected
Bromodichloromethane	1.8	Not Detected	12	Not Detected
Dibromochloromethane	1.8	Not Detected	15	Not Detected
Chloromethane	7.1	Not Detected	15	Not Detected
Acetone	7.1	310	17	740
Carbon Disulfide	7.1	1.2 J	22	3.8 J
trans-1,2-Dichloroethene	7.1	Not Detected	28	Not Detected
2-Butanone (Methyl Ethyl Ketone)	7.1	180	21	540
4-Methyl-2-pentanone	7.1	60	29	240
2-Hexanone	7.1	1.2 J	29	4.8 J
Bromoform	7.1	Not Detected	74	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	101	70-130

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0510221A-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	104	70-130

CKS 11/15/05

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0510221A-09A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Acetone	2.0	0.37 J	4.8	0.89 J
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
trans-1,2-Dichloroethene	2.0	Not Detected	7.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected	8.2	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	2.0	Not Detected	21	Not Detected

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0510221A-09A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	103	70-130

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0510221A-10A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	%Recovery
Vinyl Chloride	89
Bromomethane	89
Chloroethane	92
1,1-Dichloroethene	88
Methylene Chloride	84
1,1-Dichloroethane	88
cis-1,2-Dichloroethene	91
Chloroform	90
1,1,1-Trichloroethane	87
Carbon Tetrachloride	87
Benzene	95
1,2-Dichloroethane	92
Trichloroethene	95
1,2-Dichloropropane	96
cis-1,3-Dichloropropene	102
Toluene	98
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	94
Tetrachloroethene	96
Chlorobenzene	91
Ethyl Benzene	100
m,p-Xylene	103
o-Xylene	101
Styrene	103
1,1,2,2-Tetrachloroethane	93
Bromodichloromethane	94
Dibromochloromethane	95
Chloromethane	86
Acetone	83
Carbon Disulfide	86
trans-1,2-Dichloroethene	88
2-Butanone (Methyl Ethyl Ketone)	97
4-Methyl-2-pentanone	106
2-Hexanone	95
Bromoform	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0510221A-10A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0510221A-11A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	%Recovery
Vinyl Chloride	87
Bromomethane	96
Chloroethane	93
1,1-Dichloroethene	84
Methylene Chloride	82
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	94
Chloroform	84
1,1,1-Trichloroethane	75
Carbon Tetrachloride	80
Benzene	87
1,2-Dichloroethane	81
Trichloroethene	86
1,2-Dichloropropane	86
cis-1,3-Dichloropropene	90
Toluene	92
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	83
Tetrachloroethene	88
Chlorobenzene	83
Ethyl Benzene	88
m,p-Xylene	96
o-Xylene	85
Styrene	114
1,1,2,2-Tetrachloroethane	78
Bromodichloromethane	88
Dibromochloromethane	85
Chloromethane	85
Acetone	93
Carbon Disulfide	91
trans-1,2-Dichloroethene	94
2-Butanone (Methyl Ethyl Ketone)	98
4-Methyl-2-pentanone	98
2-Hexanone	76
Bromoform	82

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0510221A-11A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

AIR TOXICS LTD.

Client Sample ID: LCSD

Lab ID#: 0510221A-11AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	%Recovery
Vinyl Chloride	87
Bromomethane	96
Chloroethane	94
1,1-Dichloroethene	84
Methylene Chloride	84
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	90
Chloroform	83
1,1,1-Trichloroethane	74
Carbon Tetrachloride	78
Benzene	89
1,2-Dichloroethane	82
Trichloroethene	87
1,2-Dichloropropane	87
cis-1,3-Dichloropropene	91
Toluene	93
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	83
Tetrachloroethene	89
Chlorobenzene	83
Ethyl Benzene	88
m,p-Xylene	94
o-Xylene	85
Styrene	113
1,1,2,2-Tetrachloroethane	78
Bromodichloromethane	89
Dibromochloromethane	85
Chloromethane	87
Acetone	94
Carbon Disulfide	92
trans-1,2-Dichloroethene	94
2-Butanone (Methyl Ethyl Ketone)	98
4-Methyl-2-pentanone	98
2-Hexanone	77
Bromoform	82

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	103	70-130

AIR TOXICS LTD.

Client Sample ID: LCSD

Lab ID#: 0510221A-11AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

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FOLSOM, CA 95630-4719
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CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Contact Person: CHRIS DALY
Company: MWH Email:
Address: 175 W. JACKSON City: CHICAGO State: IL Zip: 60604
Phone: 312 831 3415 Fax: 312 831 3021
Collected by: (Signature)

Project Info: October 05
P.O. #:
Project #:
Project Name: ACS Griffith

Turn Around Time: ☒ Normal ☐ Rush ____ specify

Lab Use Only
Pressurized by: ____
Date: ____
Pressurization Gas: N, He

Lab I.D.	Field Sample I.D. (Location)	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	1 Offsite ISVE	10.11.05	13:03	T013/T014 SumaCan + Sorb Tube	-24.5			
02A	2 SBPA ISVE	↓	13:05	↓	-24.5			
03A	3 TOX 1 INF	↓	13:30	↓	-25			
04A	4 TOX 1 INF DUP	↓	13:45	↓	-24.5			
05A	5 TOX 1 Eff	↓	13:34	↓	-24			
06A	6 TOX 2 INF	↓	14:05	↓	-25			
07A	7 TOX 2 INF DUP	↓	14:20	↓	-25			
08A	8 TOX 2 Eff	10.11.05	14:30	T013/T014 SumaCan + Sorb Tube	-25.5			

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
[signature]	10.11.05 1450	[signature] AR	10/12/05 1000	
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 #
	Felix	8470 8881 4453	—	good	Yes No None	0510221

Form 1293 rev.10

November 8, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0511177B-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	0.42 J 15
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.17 J 15
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.81 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0511177B-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.51 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.46 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	91	50-150
Nitrobenzene-d5	96	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	83	60-120
Pyrene-d10	87	60-120

ERS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0511177B-01AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	0.40 J /J
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.18 J /J
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.80 J /J
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

ERS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0511177B-01AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.44 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.55 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	78	50-150
Phenol-d5	90	50-150
Nitrobenzene-d5	97	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	81	60-120
Pyrene-d10	86	60-120

CTS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0511177B-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	15
1,4-Dichlorobenzene	1.0	35
1,2-Dichlorobenzene	1.0	140
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	10
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.8
Naphthalene	1.0	120
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	25
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	73
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.35 J 15
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.75 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CMS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0511177B-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.26 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.5 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	18 Q	50-150
Phenol-d5	129	50-150
Nitrobenzene-d5	140	50-150
2,4,6-Tribromophenol	95	50-150
Fluorene-d10	89	60-120
Pyrene-d10	93	60-120

CRS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0511177B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	11
1,4-Dichlorobenzene	1.0	26
1,2-Dichlorobenzene	1.0	110
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	8.2
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.5
Naphthalene	1.0	92
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	18
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	55
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.27 J 15
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	2.4 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

ORS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0511177B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.47 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.2 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	25 Q	50-150
Phenol-d5	124	50-150
Nitrobenzene-d5	132	50-150
2,4,6-Tribromophenol	95	50-150
Fluorene-d10	88	60-120
Pyrene-d10	91	60-120

ETS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0511177B-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	11
1,4-Dichlorobenzene	1.0	26
1,2-Dichlorobenzene	1.0	100
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	8.1
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.3
Naphthalene	1.0	93
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	18
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	55
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.26 J 15
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	1.8 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

PRS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0511177B-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.60 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.88 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	20 Q	50-150
Phenol-d5	112	50-150
Nitrobenzene-d5	121	50-150
2,4,6-Tribromophenol	87	50-150
Fluorene-d10	84	60-120
Pyrene-d10	88	60-120

CRS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0511177B-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	1.8 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0511177B-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.95 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	80	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	97	50-150
2,4,6-Tribromophenol	92	50-150
Fluorene-d10	80	60-120
Pyrene-d10	86	60-120

CPS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0511177B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.0
1,4-Dichlorobenzene	1.0	3.4
1,2-Dichlorobenzene	1.0	26
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	8.6
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.58 J 15
Naphthalene	1.0	12
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.0
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.9
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.42 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0511177B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.24 J 15
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.56 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	49 Q	50-150
Phenol-d5	95	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	82	60-120
Pyrene-d10	86	60-120

CRS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0511177B-07A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.0
1,4-Dichlorobenzene	1.0	3.4
1,2-Dichlorobenzene	1.0	27
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	9.4
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.49 J 15
Naphthalene	1.0	13
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.7
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.48 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0511177B-07A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.30 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.85 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	71	50-150
Phenol-d5	100	50-150
Nitrobenzene-d5	104	50-150
2,4,6-Tribromophenol	92	50-150
Fluorene-d10	85	60-120
Pyrene-d10	91	60-120

PRS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0511177B-08A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	0.22 J 15
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.49 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

PKS 12/22/15

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0511177B-08A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.59 J /J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	74	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	88	50-150
2,4,6-Tribromophenol	78	50-150
Fluorene-d10	74	60-120
Pyrene-d10	76	60-120

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AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0511177A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	340	430	860	1100
Bromomethane	340	Not Detected	1300	Not Detected
Chloroethane	340	Not Detected /R	880	Not Detected
1,1-Dichloroethene	340	790	1300	3100
Methylene Chloride	340	42000	1200	140000
1,1-Dichloroethane	340	4600	1400	19000
cis-1,2-Dichloroethene	340	3400	1300	13000
Chloroform	340	2400	1600	12000
1,1,1-Trichloroethane	340	34000	1800	180000
Carbon Tetrachloride	340	Not Detected	2100	Not Detected
Benzene	340	21000	1100	68000
1,2-Dichloroethane	340	1000	1400	4200
Trichloroethene	340	22000	1800	120000
1,2-Dichloropropane	340	280 J /5	1500	1300 J
cis-1,3-Dichloropropene	340	Not Detected	1500	Not Detected
Toluene	340	130000	1300	480000
trans-1,3-Dichloropropene	340	Not Detected	1500	Not Detected
1,1,2-Trichloroethane	340	Not Detected	1800	Not Detected
Tetrachloroethene	340	30000	2300	200000
Chlorobenzene	340	Not Detected	1500	Not Detected
Ethyl Benzene	340	18000	1400	76000
m,p-Xylene	340	71000	1400	310000
o-Xylene	340	28000	1400	120000
Styrene	340	Not Detected	1400	Not Detected
1,1,2,2-Tetrachloroethane	340	Not Detected	2300	Not Detected
Bromodichloromethane	340	Not Detected	2200	Not Detected
Dibromochloromethane	340	Not Detected	2800	Not Detected
Chloromethane	1300	Not Detected	2800	Not Detected
Acetone	1300	16000	3200	37000
Carbon Disulfide	1300	Not Detected	4200	Not Detected
trans-1,2-Dichloroethene	1300	Not Detected	5300	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1300	12000	4000	37000
4-Methyl-2-pentanone	1300	7500	5500	30000
2-Hexanone	1300	Not Detected	5500	Not Detected
Bromoform	1300	Not Detected	14000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	103	70-130

CMS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0511177A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	105	70-130

CRS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0511177A-01AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	340	420	860	1100
Bromomethane	340	Not Detected	1300	Not Detected
Chloroethane	340	Not Detected /R	880	Not Detected
1,1-Dichloroethene	340	760	1300	3000
Methylene Chloride	340	41000	1200	140000
1,1-Dichloroethane	340	4500	1400	18000
cis-1,2-Dichloroethene	340	3300	1300	13000
Chloroform	340	2400	1600	12000
1,1,1-Trichloroethane	340	33000	1800	180000
Carbon Tetrachloride	340	Not Detected	2100	Not Detected
Benzene	340	21000	1100	67000
1,2-Dichloroethane	340	1100	1400	4300
Trichloroethene	340	22000	1800	120000
1,2-Dichloropropane	340	300 J /5	1500	1400 J
cis-1,3-Dichloropropene	340	Not Detected	1500	Not Detected
Toluene	340	130000	1300	480000
trans-1,3-Dichloropropene	340	Not Detected	1500	Not Detected
1,1,2-Trichloroethane	340	Not Detected	1800	Not Detected
Tetrachloroethene	340	29000	2300	200000
Chlorobenzene	340	Not Detected	1500	Not Detected
Ethyl Benzene	340	16000	1400	72000
m,p-Xylene	340	68000	1400	300000
o-Xylene	340	28000	1400	120000
Styrene	340	Not Detected	1400	Not Detected
1,1,2,2-Tetrachloroethane	340	Not Detected	2300	Not Detected
Bromodichloromethane	340	Not Detected	2200	Not Detected
Dibromochloromethane	340	Not Detected	2800	Not Detected
Chloromethane	1300	Not Detected	2800	Not Detected
Acetone	1300	16000	3200	37000
Carbon Disulfide	1300	Not Detected	4200	Not Detected
trans-1,2-Dichloroethene	1300	Not Detected	5300	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1300	12000	4000	36000
4-Methyl-2-pentanone	1300	7500	5500	31000
2-Hexanone	1300	Not Detected	5500	Not Detected
Bromoform	1300	Not Detected	14000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	103	70-130

CRS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0511177A-01AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	102	70-130

CMS
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AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0511177A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1300	3500	3400	8800
Bromomethane	1300	Not Detected	5200	Not Detected
Chloroethane	1300	1300 15	3500	3400 J
1,1-Dichloroethene	1300	1200 J 15	5300	4700 J
Methylene Chloride	1300	9400	4600	33000
1,1-Dichloroethane	1300	6700	5400	27000
cis-1,2-Dichloroethene	1300	89000	5300	350000
Chloroform	1300	10000	6500	50000
1,1,1-Trichloroethane	1300	62000	7300	340000
Carbon Tetrachloride	1300	Not Detected	8400	Not Detected
Benzene	1300	26000	4300	83000
1,2-Dichloroethane	1300	670 J 15	5400	2700 J
Trichloroethene	1300	44000	7200	230000
1,2-Dichloropropane	1300	1300	6200	6100 J
cis-1,3-Dichloropropene	1300	Not Detected	6100	Not Detected
Toluene	1300	370000	5000	1400000
trans-1,3-Dichloropropene	1300	Not Detected	6100	Not Detected
1,1,2-Trichloroethane	1300	Not Detected	7300	Not Detected
Tetrachloroethene	1300	120000	9100	830000
Chlorobenzene	1300	Not Detected	6200	Not Detected
Ethyl Benzene	1300	44000	5800	190000
m,p-Xylene	1300	280000	5800	1200000
o-Xylene	1300	150000	5800	640000
Styrene	1300	Not Detected	5700	Not Detected
1,1,2,2-Tetrachloroethane	1300	Not Detected	9200	Not Detected
Bromodichloromethane	1300	Not Detected	9000	Not Detected
Dibromochloromethane	1300	Not Detected	11000	Not Detected
Chloromethane	5400	Not Detected	11000	Not Detected
Acetone	5400	1400 J 15	13000	3400 J
Carbon Disulfide	5400	Not Detected	17000	Not Detected
trans-1,2-Dichloroethene	5400	Not Detected	21000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5400	2200 J 15	16000	6600 J
4-Methyl-2-pentanone	5400	2000 J 15	22000	8200 J
2-Hexanone	5400	Not Detected	22000	Not Detected
Bromoform	5400	Not Detected	55000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS 12/22/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0511177A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

[redacted]

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	103	70-130

CKS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0511177A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1300	4300	3400	11000
Bromomethane	1300	Not Detected	5200	Not Detected
Chloroethane	1300	1500 15	3500	4000
1,1-Dichloroethene	1300	1500	5300	5800
Methylene Chloride	1300	12000	4600	42000
1,1-Dichloroethane	1300	8200	5400	33000
cis-1,2-Dichloroethene	1300	110000	5300	440000
Chloroform	1300	13000	6500	65000
1,1,1-Trichloroethane	1300	80000	7300	440000
Carbon Tetrachloride	1300	Not Detected	8400	Not Detected
Benzene	1300	33000	4300	110000
1,2-Dichloroethane	1300	910 J 15	5400	3700 J
Trichloroethene	1300	56000	7200	300000
1,2-Dichloropropane	1300	1500	6200	7100
cis-1,3-Dichloropropene	1300	Not Detected	6100	Not Detected
Toluene	1300	460000	5000	1700000
trans-1,3-Dichloropropene	1300	Not Detected	6100	Not Detected
1,1,2-Trichloroethane	1300	Not Detected	7300	Not Detected
Tetrachloroethene	1300	150000	9100	1000000
Chlorobenzene	1300	660 J 15	6200	3100 J
Ethyl Benzene	1300	56000	5800	240000
m,p-Xylene	1300	350000	5800	1500000
o-Xylene	1300	180000	5800	800000
Styrene	1300	Not Detected	5700	Not Detected
1,1,2,2-Tetrachloroethane	1300	Not Detected	9200	Not Detected
Bromodichloromethane	1300	Not Detected	9000	Not Detected
Dibromochloromethane	1300	Not Detected	11000	Not Detected
Chloromethane	5400	Not Detected	11000	Not Detected
Acetone	5400	1800 J 15	13000	4200 J
Carbon Disulfide	5400	Not Detected	17000	Not Detected
trans-1,2-Dichloroethene	5400	Not Detected	21000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5400	Not Detected	16000	Not Detected
4-Methyl-2-pentanone	5400	2700 J 15	22000	11000 J
2-Hexanone	5400	Not Detected	22000	Not Detected
Bromoform	5400	Not Detected	55000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0511177A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	104	70-130

CBS
12/22/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0511177A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1400	3200	3500	8300
Bromomethane	1400	Not Detected	5300	Not Detected
Chloroethane	1400	1200 J /5	3600	3200 J
1,1-Dichloroethene	1400	890 J /5	5400	3500 J
Methylene Chloride	1400	10000	4700	35000
1,1-Dichloroethane	1400	7000	5500	28000
cis-1,2-Dichloroethene	1400	93000	5400	370000
Chloroform	1400	11000	6600	54000
1,1,1-Trichloroethane	1400	68000	7400	370000
Carbon Tetrachloride	1400	Not Detected	8600	Not Detected
Benzene	1400	28000	4300	88000
1,2-Dichloroethane	1400	600 J /5	5500	2400 J
Trichloroethene	1400	45000	7300	240000
1,2-Dichloropropane	1400	1200 J /5	6300	5400 J
cis-1,3-Dichloropropene	1400	Not Detected	6200	Not Detected
Toluene	1400	390000	5100	1400000
trans-1,3-Dichloropropene	1400	Not Detected	6200	Not Detected
1,1,2-Trichloroethane	1400	Not Detected	7400	Not Detected
Tetrachloroethene	1400	120000	9200	840000
Chlorobenzene	1400	Not Detected	6300	Not Detected
Ethyl Benzene	1400	46000	5900	200000
m,p-Xylene	1400	290000	5900	1300000
o-Xylene	1400	150000	5900	670000
Styrene	1400	Not Detected	5800	Not Detected
1,1,2,2-Tetrachloroethane	1400	Not Detected	9300	Not Detected
Bromodichloromethane	1400	Not Detected	9100	Not Detected
Dibromochloromethane	1400	Not Detected	12000	Not Detected
Chloromethane	5400	Not Detected	11000	Not Detected
Acetone	5400	1200 J /5	13000	2900 J
Carbon Disulfide	5400	Not Detected	17000	Not Detected
trans-1,2-Dichloroethene	5400	590 J /5	22000	2300 J
2-Butanone (Methyl Ethyl Ketone)	5400	Not Detected	16000	Not Detected
4-Methyl-2-pentanone	5400	2200 J /5	22000	9000 J
2-Hexanone	5400	Not Detected	22000	Not Detected
Bromoform	5400	Not Detected	56000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0511177A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	102	70-130

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AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0511177A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	2.8	74	7.2	190
Bromomethane	2.8	Not Detected	11	Not Detected
Chloroethane	2.8	9.1 15	7.5	24
1,1-Dichloroethene	2.8	91	11	360
Methylene Chloride	2.8	10	9.8	37
1,1-Dichloroethane	2.8	10	11	40
cis-1,2-Dichloroethene	2.8	140	11	540
Chloroform	2.8	6.3	14	31
1,1,1-Trichloroethane	2.8	33	15	180
Carbon Tetrachloride	2.8	2.2 J 15	18	14 J
Benzene	2.8	95	9.0	300
1,2-Dichloroethane	2.8	0.62 J 15	11	2.5 J
Trichloroethene	2.8	98	15	520
1,2-Dichloropropane	2.8	Not Detected	13	Not Detected
cis-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
Toluene	2.8	650	11	2400
trans-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
1,1,2-Trichloroethane	2.8	Not Detected	15	Not Detected
Tetrachloroethene	2.8	460	19	3100
Chlorobenzene	2.8	8.0	13	37
Ethyl Benzene	2.8	170	12	730
m,p-Xylene	2.8	1100	12	4900
o-Xylene	2.8	700	12	3000
Styrene	2.8	Not Detected	12	Not Detected
1,1,2,2-Tetrachloroethane	2.8	Not Detected	19	Not Detected
Bromodichloromethane	2.8	Not Detected	19	Not Detected
Dibromochloromethane	2.8	Not Detected	24	Not Detected
Chloromethane	11	36	23	75
Acetone	11	5.1 J 15	27	12 J
Carbon Disulfide	11	2.4 J 15	35	7.5 J
trans-1,2-Dichloroethene	11	21	45	84
2-Butanone (Methyl Ethyl Ketone)	11	Not Detected	33	Not Detected
4-Methyl-2-pentanone	11	4.3 J 15	46	17 J
2-Hexanone	11	Not Detected	46	Not Detected
Bromoform	11	Not Detected	120	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0511177A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	107	70-130

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AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0511177A-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	450	460	1100	1200
Bromomethane	450	Not Detected	1700	Not Detected
Chloroethane	450	Not Detected /R	1200	Not Detected
1,1-Dichloroethene	450	570	1800	2200
Methylene Chloride	450	42000	1600	140000
1,1-Dichloroethane	450	4700	1800	19000
cis-1,2-Dichloroethene	450	3900	1800	15000
Chloroform	450	2500	2200	12000
1,1,1-Trichloroethane	450	35000	2400	190000
Carbon Tetrachloride	450	Not Detected	2800	Not Detected
Benzene	450	22000	1400	69000
1,2-Dichloroethane	450	1200	1800	4900
Trichloroethene	450	23000	2400	120000
1,2-Dichloropropane	450	310 J /J	2100	1400 J
cis-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
Toluene	450	130000	1700	510000
trans-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	450	Not Detected	2400	Not Detected
Tetrachloroethene	450	31000	3000	210000
Chlorobenzene	450	Not Detected	2000	Not Detected
Ethyl Benzene	450	17000	1900	75000
m,p-Xylene	450	71000	1900	310000
o-Xylene	450	28000	1900	120000
Styrene	450	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	450	Not Detected	3100	Not Detected
Bromodichloromethane	450	Not Detected	3000	Not Detected
Dibromochloromethane	450	Not Detected	3800	Not Detected
Chloromethane	1800	Not Detected	3700	Not Detected
Acetone	1800	15000	4200	35000
Carbon Disulfide	1800	Not Detected	5600	Not Detected
trans-1,2-Dichloroethene	1800	Not Detected	7100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1800	14000	5300	42000
4-Methyl-2-pentanone	1800	8000	7300	33000
2-Hexanone	1800	Not Detected	7300	Not Detected
Bromoform	1800	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0511177A-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	101	70-130

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AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0511177A-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	450	510	1200	1300
Bromomethane	450	Not Detected	1800	Not Detected
Chloroethane	450	Not Detected	1200	Not Detected
1,1-Dichloroethene	450	420 J	1800	1700 J
Methylene Chloride	450	43000	1600	150000
1,1-Dichloroethane	450	4800	1800	19000
cis-1,2-Dichloroethene	450	4100	1800	16000
Chloroform	450	2600	2200	12000
1,1,1-Trichloroethane	450	36000	2500	200000
Carbon Tetrachloride	450	Not Detected	2800	Not Detected
Benzene	450	22000	1400	70000
1,2-Dichloroethane	450	1100	1800	4600
Trichloroethene	450	23000	2400	120000
1,2-Dichloropropane	450	310 J	2100	1400 J
cis-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
Toluene	450	140000	1700	520000
trans-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	450	Not Detected	2500	Not Detected
Tetrachloroethene	450	32000	3100	220000
Chlorobenzene	450	Not Detected	2100	Not Detected
Ethyl Benzene	450	18000	2000	80000
m,p-Xylene	450	76000	2000	330000
o-Xylene	450	30000	2000	130000
Styrene	450	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	450	Not Detected	3100	Not Detected
Bromodichloromethane	450	Not Detected	3000	Not Detected
Dibromochloromethane	450	Not Detected	3900	Not Detected
Chloromethane	1800	Not Detected	3700	Not Detected
Acetone	1800	15000	4300	37000
Carbon Disulfide	1800	Not Detected	5600	Not Detected
trans-1,2-Dichloroethene	1800	Not Detected	7200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1800	14000	5300	42000
4-Methyl-2-pentanone	1800	8100	7400	33000
2-Hexanone	1800	Not Detected	7400	Not Detected
Bromoform	1800	Not Detected	19000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0511177A-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	103	70-130

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AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0511177A-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.4	110	3.6	290
Bromomethane	1.4	Not Detected	5.5	Not Detected
Chloroethane	1.4	42 15	3.8	110
1,1-Dichloroethene	1.4	2.7	5.6	11
Methylene Chloride	1.4	6.7	5.0	23
1,1-Dichloroethane	1.4	40	5.8	160
cis-1,2-Dichloroethene	1.4	360	5.6	1400
Chloroform	1.4	3.1	7.0	15
1,1,1-Trichloroethane	1.4	100	7.8	560
Carbon Tetrachloride	1.4	Not Detected	9.0	Not Detected
Benzene	1.4	120	4.6	400
1,2-Dichloroethane	1.4	0.80 J 15	5.8	3.2 J
Trichloroethene	1.4	97	7.6	520
1,2-Dichloropropane	1.4	1.3 J 15	6.6	6.0 J
cis-1,3-Dichloropropene	1.4	Not Detected	6.5	Not Detected
Toluene	1.4	420	5.4	1600
trans-1,3-Dichloropropene	1.4	Not Detected	6.5	Not Detected
1,1,2-Trichloroethane	1.4	Not Detected	7.8	Not Detected
Tetrachloroethene	1.4	280	9.7	1900
Chlorobenzene	1.4	Not Detected	6.6	Not Detected
Ethyl Benzene	1.4	66	6.2	290
m,p-Xylene	1.4	270	6.2	1200
o-Xylene	1.4	87	6.2	380
Styrene	1.4	Not Detected	6.1	Not Detected
1,1,2,2-Tetrachloroethane	1.4	Not Detected	9.8	Not Detected
Bromodichloromethane	1.4	Not Detected	9.5	Not Detected
Dibromochloromethane	1.4	Not Detected	12	Not Detected
Chloromethane	5.7	Not Detected	12	Not Detected
Acetone	5.7	26	14	63
Carbon Disulfide	5.7	0.45 J 15	18	1.4 J
trans-1,2-Dichloroethene	5.7	3.4 J 15	22	13 J
2-Butanone (Methyl Ethyl Ketone)	5.7	Not Detected	17	Not Detected
4-Methyl-2-pentanone	5.7	3.6 J 15	23	15 J
2-Hexanone	5.7	Not Detected	23	Not Detected
Bromoform	5.7	Not Detected	59	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0511177A-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	104	70-130

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

CHAIN-OF-CUSTODY RECORD

Contact Person: Chris Daly
Company: MWH
Address: 175 W Jackson City: CHICAGO State: IL Zip: 60604
Phone: 312 831 3415 Fax: 312 831 3021 Email:
Collected by: (signature)

Project Info: November 05
P.O. #:
Project #:
Project Name: ACS Griffith

Turn Around Time: [X] Normal [ ] Rush ____ specify

Canister Pressure/Vacuum

Lab ID	Field Sample I.D. (Location)	Date	Time	Analyses Requested	Initial	Final	Receipt Final
01A	1 OFFSite ISVE	11.8.05	13:57	To13/14 SUMA CAN + Sorb Tube	-24	0	
02A	2 SBPA ISVE		13:58		-23	0	
03A	3 TOX 1 INF		14:14		-25	0	
04A	4 TOX 1 INF DUP		14:32		-24	0	
05A	5 TOX 1 Eff		14:23		-28.5	0	
06A	6 TOX 2 INF		14:47		-28.5	0	
07A	7 TOX 2 INF DUP		15:02		-28.5	0	
08A	8 TOX 2 Eff	11.8.05	15:15	To13/14 SUMA CAN + Sorb Tube	-28.5	0	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	11/8.05 1545	[signature]	11/9/05 735
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Date Delivery	Shipping Method	Airbill #	Temperature	Condition	Custody Seals Intact	Work Order #
Fedex		8519 1234 8471	11°C	see discrepancy report.	Yes No None	0511177

Form 1280 Rev.18

December 8, 2005 Off-Gas Sample Laboratory Results

TO-13 Dec./05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0512257B-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	3.8 J /5
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.5
1,4-Dichlorobenzene	1.0	5.6
1,2-Dichlorobenzene	1.0	47
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	29
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.8
Naphthalene	1.0	58
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.2
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	12
Hexachlorocyclopentadiene	20	1.0 J /5
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

OTS 1/5/06

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0512257B-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	54	50-150
Phenol-d5	98	50-150
Nitrobenzene-d5	97	50-150
2,4,6-Tribromophenol	98	50-150
Fluorene-d10	86	60-120
Pyrene-d10	88	60-120

OPS
1/5/06

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0512257B-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	3.8 J
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	6.8
1,4-Dichlorobenzene	1.0	17
1,2-Dichlorobenzene	1.0	67
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	3.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.56 J
Naphthalene	1.0	30
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	9.0
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	15
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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1/5/06

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0512257B-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	18 Q	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	93	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	82	60-120
Pyrene-d10	86	60-120

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0512257B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	3.4
1,4-Dichlorobenzene	1.0	9.0
1,2-Dichlorobenzene	1.0	36
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	1.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	16
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0512257B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

Q = Exceeds Quality Control limits.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	29 Q	50-150
Phenol-d5	98	50-150
Nitrobenzene-d5	101	50-150
2,4,6-Tribromophenol	99	50-150
Fluorene-d10	86	60-120
Pyrene-d10	88	60-120

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0512257B-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	3.0
1,4-Dichlorobenzene	1.0	8.5
1,2-Dichlorobenzene	1.0	33
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	1.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.70 J 15
Naphthalene	1.0	16
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.2
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.63 J
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0512257B-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	55	50-150
Phenol-d5	94	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	84	60-120
Pyrene-d10	88	60-120

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP Duplicate

Lab ID#: 0512257B-04AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	3.2
1,4-Dichlorobenzene	1.0	8.5
1,2-Dichlorobenzene	1.0	32
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	1.4
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.60 J /5
Naphthalene	1.0	16
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.63 J /5
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP Duplicate

Lab ID#: 0512257B-04AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	53	50-150
Phenol-d5	93	50-150
Nitrobenzene-d5	95	50-150
2,4,6-Tribromophenol	93	50-150
Fluorene-d10	85	60-120
Pyrene-d10	89	60-120

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AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0512257B-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0512257B-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

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Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	89	50-150
Nitrobenzene-d5	94	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	79	60-120
Pyrene-d10	80	60-120

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AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0512257B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	1.3
1,2-Dichlorobenzene	1.0	9.5
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.6
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	5.8
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.64 J
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.0
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0512257B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	75	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	103	50-150
2,4,6-Tribromophenol	93	50-150
Fluorene-d10	82	60-120
Pyrene-d10	83	60-120

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AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0512257B-07A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.53 J 15
1,4-Dichlorobenzene	1.0	1.7
1,2-Dichlorobenzene	1.0	14
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	4.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	7.6
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.85 J 15
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.3
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0512257B-07A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	68	50-150
Phenol-d5	96	50-150
Nitrobenzene-d5	103	50-150
2,4,6-Tribromophenol	96	50-150
Fluorene-d10	83	60-120
Pyrene-d10	86	60-120

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AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0512257B-08A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	1.2
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	2.1
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

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1/5/06

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0512257B-08A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.6 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	87	50-150
Phenol-d5	94	50-150
Nitrobenzene-d5	99	50-150
2,4,6-Tribromophenol	98	50-150
Fluorene-d10	79	60-120
Pyrene-d10	82	60-120

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AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512257B-09A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512257B-09A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	77	50-150
Phenol-d5	85	50-150
Nitrobenzene-d5	91	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	74	60-120
Pyrene-d10	78	60-120

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512257B-10A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	%Recovery
Phenol	69
bis(2-Chloroethyl) Ether	Not Spiked
2-Chlorophenol	63
1,3-Dichlorobenzene	Not Spiked
1,4-Dichlorobenzene	59
1,2-Dichlorobenzene	Not Spiked
2-Methylphenol (o-Cresol)	Not Spiked
N-Nitroso-di-n-propylamine	87
4-Methylphenol/3-Methylphenol	Not Spiked
Hexachloroethane	Not Spiked
Nitrobenzene	Not Spiked
Isophorone	Not Spiked
2-Nitrophenol	Not Spiked
2,4-Dimethylphenol	Not Spiked
bis(2-Chloroethoxy) Methane	Not Spiked
2,4-Dichlorophenol	Not Spiked
1,2,4-Trichlorobenzene	76
Naphthalene	Not Spiked
4-Chloroaniline	Not Spiked
Hexachlorobutadiene	Not Spiked
4-Chloro-3-methylphenol	83
2-Methylnaphthalene	Not Spiked
Hexachlorocyclopentadiene	Not Spiked
2,4,6-Trichlorophenol	Not Spiked
2,4,5-Trichlorophenol	Not Spiked
2-Chloronaphthalene	Not Spiked
2-Nitroaniline	Not Spiked
Dimethylphthalate	Not Spiked
Acenaphthylene	Not Spiked
2,6-Dinitrotoluene	Not Spiked
3-Nitroaniline	Not Spiked
Acenaphthene	68
2,4-Dinitrophenol	Not Spiked
4-Nitrophenol	77
2,4-Dinitrotoluene	78
Dibenzofuran	Not Spiked
Diethylphthalate	Not Spiked
Fluorene	Not Spiked
4-Chlorophenyl-phenyl Ether	Not Spiked
4-Nitroaniline	Not Spiked
4,6-Dinitro-2-methylphenol	Not Spiked

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512257B-10A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Compound	%Recovery
N-Nitrosodiphenylamine	Not Spiked
4-Bromophenyl-phenyl Ether	Not Spiked
Hexachlorobenzene	Not Spiked
Pentachlorophenol	72
Phenanthrene	Not Spiked
Anthracene	Not Spiked
di-n-Butylphthalate	Not Spiked
Fluoranthene	Not Spiked
Pyrene	75
Butylbenzylphthalate	Not Spiked
3,3'-Dichlorobenzidine	Not Spiked
Chrysene	Not Spiked
Benzo(a)anthracene	Not Spiked
bis(2-Ethylhexyl)phthalate	Not Spiked
Di-n-Octylphthalate	Not Spiked
Benzo(b)fluoranthene	Not Spiked
Benzo(k)fluoranthene	Not Spiked
Benzo(a)pyrene	Not Spiked
Indeno(1,2,3-c,d)pyrene	Not Spiked
Dibenz(a,h)anthracene	Not Spiked
Benzo(g,h,i)perylene	Not Spiked

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	64	50-150
Phenol-d5	71	50-150
Nitrobenzene-d5	95	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	78	60-120
Pyrene-d10	78	60-120

TO-14 Dec./05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0512257A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	450	300 J	1100	770 J
Bromomethane	450	Not Detected	1700	Not Detected
Chloroethane	450	Not Detected	1200	Not Detected
1,1-Dichloroethene	450	Not Detected	1800	Not Detected
Methylene Chloride	450	38000	1600	130000
1,1-Dichloroethane	450	4000	1800	16000
cis-1,2-Dichloroethene	450	4000	1800	16000
Chloroform	450	2200	2200	11000
1,1,1-Trichloroethane	450	32000	2400	170000
Carbon Tetrachloride	450	Not Detected	2800	Not Detected
Benzene	450	19000	1400	62000
1,2-Dichloroethane	450	1000	1800	4200
Trichloroethene	450	20000	2400	110000
1,2-Dichloropropane	450	300 J	2100	1400 J
cis-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
Toluene	450	110000	1700	430000
trans-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	450	Not Detected	2400	Not Detected
Tetrachloroethene	450	28000	3000	190000
Chlorobenzene	450	Not Detected	2000	Not Detected
Ethyl Benzene	450	19000	1900	82000
m,p-Xylene	450	79000	1900	340000
o-Xylene	450	32000	1900	140000
Styrene	450	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	450	Not Detected	3100	Not Detected
Bromodichloromethane	450	Not Detected	3000	Not Detected
Dibromochloromethane	450	Not Detected	3800	Not Detected
Chloromethane	1800	Not Detected	3700	Not Detected
Acetone	1800	16000	4200	37000
Carbon Disulfide	1800	Not Detected	5600	Not Detected
trans-1,2-Dichloroethene	1800	Not Detected	7100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1800	12000	5300	37000
4-Methyl-2-pentanone	1800	8000	7300	33000
2-Hexanone	1800	250 J	7300	1000 J
Bromoform	1800	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	95	70-130

1/5/06

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0512257A-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	100	70-130

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1/5/06

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0512257A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	450	2600	1100	6700
Bromomethane	450	Not Detected	1700	Not Detected
Chloroethane	450	650	1200	1700
1,1-Dichloroethene	450	310 J 15	1800	1200 J
Methylene Chloride	450	4900	1600	17000
1,1-Dichloroethane	450	3800	1800	15000
cis-1,2-Dichloroethene	450	48000	1800	190000
Chloroform	450	4600	2200	23000
1,1,1-Trichloroethane	450	34000	2400	180000
Carbon Tetrachloride	450	Not Detected	2800	Not Detected
Benzene	450	11000	1400	37000
1,2-Dichloroethane	450	310 J 15	1800	1300 J
Trichloroethene	450	27000	2400	150000
1,2-Dichloropropane	450	630	2100	2900
cis-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
Toluene	450	110000	1700	410000
trans-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	450	Not Detected	2400	Not Detected
Tetrachloroethene	450	50000	3000	340000
Chlorobenzene	450	Not Detected	2000	Not Detected
Ethyl Benzene	450	14000	1900	60000
m,p-Xylene	450	82000	1900	360000
o-Xylene	450	47000	1900	200000
Styrene	450	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	450	Not Detected	3100	Not Detected
Bromodichloromethane	450	Not Detected	3000	Not Detected
Dibromochloromethane	450	Not Detected	3800	Not Detected
Chloromethane	1800	Not Detected	3700	Not Detected
Acetone	1800	3000	4200	7000
Carbon Disulfide	1800	Not Detected	5600	Not Detected
trans-1,2-Dichloroethene	1800	240 J 15	7100	970 J
2-Butanone (Methyl Ethyl Ketone)	1800	840 J 15	5300	2500 J
4-Methyl-2-pentanone	1800	600 J 15	7300	2400 J
2-Hexanone	1800	Not Detected	7300	Not Detected
Bromoform	1800	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0512257A-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	98	70-130

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1/5/06

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0512257A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

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Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	450	3500	1100	8900
Bromomethane	450	Not Detected	1700	Not Detected
Chloroethane	450	850	1200	2200
1,1-Dichloroethene	450	430 J 15	1800	1700 J
Methylene Chloride	450	6500	1600	23000
1,1-Dichloroethane	450	5100	1800	20000
cis-1,2-Dichloroethene	450	64000	1800	250000
Chloroform	450	6400	2200	31000
1,1,1-Trichloroethane	450	45000	2400	240000
Carbon Tetrachloride	450	Not Detected	2800	Not Detected
Benzene	450	15000	1400	48000
1,2-Dichloroethane	450	430 J 15	1800	1700 J
Trichloroethene	450	36000	2400	190000
1,2-Dichloropropane	450	780	2100	3600
cis-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
Toluene	450	140000	1700	540000
trans-1,3-Dichloropropene	450	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	450	Not Detected	2400	Not Detected
Tetrachloroethene	450	68000	3000	460000
Chlorobenzene	450	210 J 15	2000	960 J
Ethyl Benzene	450	19000	1900	81000
m,p-Xylene	450	110000	1900	480000
o-Xylene	450	65000	1900	280000
Styrene	450	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	450	Not Detected	3100	Not Detected
Bromodichloromethane	450	Not Detected	3000	Not Detected
Dibromochloromethane	450	Not Detected	3800	Not Detected
Chloromethane	1800	Not Detected	3700	Not Detected
Acetone	1800	3800	4200	9200
Carbon Disulfide	1800	Not Detected	5600	Not Detected
trans-1,2-Dichloroethene	1800	250 J 15	7100	1000 J
2-Butanone (Methyl Ethyl Ketone)	1800	1100 J 15	5300	3100 J
4-Methyl-2-pentanone	1800	840 J 15	7300	3400 J
2-Hexanone	1800	Not Detected	7300	Not Detected
Bromoform	1800	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0512257A-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	98	70-130

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0512257A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	430	3900	1100	10000
Bromomethane	430	Not Detected	1700	Not Detected
Chloroethane	430	880	1100	2300
1,1-Dichloroethene	430	430	1700	1700
Methylene Chloride	430	6700	1500	23000
1,1-Dichloroethane	430	5200	1800	21000
cis-1,2-Dichloroethene	430	65000	1700	260000
Chloroform	430	6500	2100	32000
1,1,1-Trichloroethane	430	45000	2400	250000
Carbon Tetrachloride	430	Not Detected	2700	Not Detected
Benzene	430	16000	1400	50000
1,2-Dichloroethane	430	430	1800	1800
Trichloroethene	430	36000	2300	200000
1,2-Dichloropropane	430	800	2000	3700
cis-1,3-Dichloropropene	430	Not Detected	2000	Not Detected
Toluene	430	140000	1600	540000
trans-1,3-Dichloropropene	430	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	430	Not Detected	2400	Not Detected
Tetrachloroethene	430	67000	2900	460000
Chlorobenzene	430	210 J 15	2000	960 J
Ethyl Benzene	430	18000	1900	80000
m,p-Xylene	430	110000	1900	480000
o-Xylene	430	65000	1900	280000
Styrene	430	Not Detected	1800	Not Detected
1,1,2,2-Tetrachloroethane	430	Not Detected	3000	Not Detected
Bromodichloromethane	430	Not Detected	2900	Not Detected
Dibromochloromethane	430	Not Detected	3700	Not Detected
Chloromethane	1700	Not Detected	3600	Not Detected
Acetone	1700	3700	4100	8800
Carbon Disulfide	1700	120 J 15	5400	370 J
trans-1,2-Dichloroethene	1700	330 J 15	6900	1300 J
2-Butanone (Methyl Ethyl Ketone)	1700	1200 J 15	5100	3400 J
4-Methyl-2-pentanone	1700	860 J 15	7100	3500 J
2-Hexanone	1700	Not Detected	7100	Not Detected
Bromoform	1700	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0512257A-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	96	70-130

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1/5/06

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0512257A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.0	89	2.7	230
Bromomethane	1.0	1.0	4.1	4.0 J
Chloroethane	1.0	12	2.8	33
1,1-Dichloroethene	1.0	120	4.2	490
Methylene Chloride	1.0	25	3.7	88
1,1-Dichloroethane	1.0	12	4.3	47
cis-1,2-Dichloroethene	1.0	240	4.2	950
Chloroform	1.0	4.9	5.2	24
1,1,1-Trichloroethane	1.0	29	5.8	160
Carbon Tetrachloride	1.0	0.93 J 15	6.6	5.8 J
Benzene	1.0	180	3.4	580
1,2-Dichloroethane	1.0	Not Detected	4.3	Not Detected
Trichloroethene	1.0	120	5.7	620
1,2-Dichloropropane	1.0	0.61 J 15	4.9	2.8 J
cis-1,3-Dichloropropene	1.0	1.7	4.8	7.7
Toluene	1.0	160	4.0	600
trans-1,3-Dichloropropene	1.0	1.5	4.8	6.7
1,1,2-Trichloroethane	1.0	Not Detected	5.8	Not Detected
Tetrachloroethene	1.0	260	7.2	1700
Chlorobenzene	1.0	7.1	4.8	33
Ethyl Benzene	1.0	25	4.6	110
m,p-Xylene	1.0	130	4.6	550
o-Xylene	1.0	53	4.6	230
Styrene	1.0	14	4.5	59
1,1,2,2-Tetrachloroethane	1.0	1.0	7.2	7.1 J
Bromodichloromethane	1.0	0.49 J 15	7.1	3.3 J
Dibromochloromethane	1.0	Not Detected	9.0	Not Detected
Chloromethane	4.2	36	8.7	74
Acetone	4.2	96	10	230
Carbon Disulfide	4.2	0.66 J 15	13	2.0 J
trans-1,2-Dichloroethene	4.2	61	17	240
2-Butanone (Methyl Ethyl Ketone)	4.2	9.4	12	28
4-Methyl-2-pentanone	4.2	8.4	17	34
2-Hexanone	4.2	0.93 J 15	17	3.8 J
Bromoform	4.2	Not Detected	44	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS 1/5/06

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0512257A-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	103	70-130

CPS
1/5/06

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0512257A-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	430	1800	1100	4600
Bromomethane	430	Not Detected	1700	Not Detected
Chloroethane	430	590	1100	1600
1,1-Dichloroethene	430	440	1700	1700
Methylene Chloride	430	35000	1500	120000
1,1-Dichloroethane	430	4300	1800	18000
cis-1,2-Dichloroethene	430	10000	1700	40000
Chloroform	430	2000	2100	9600
1,1,1-Trichloroethane	430	30000	2400	160000
Carbon Tetrachloride	430	Not Detected	2700	Not Detected
Benzene	430	19000	1400	62000
1,2-Dichloroethane	430	960	1800	3900
Trichloroethene	430	19000	2300	100000
1,2-Dichloropropane	430	290 J	2000	1400 J
cis-1,3-Dichloropropene	430	Not Detected	2000	Not Detected
Toluene	430	110000	1600	400000
trans-1,3-Dichloropropene	430	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	430	Not Detected	2400	Not Detected
Tetrachloroethene	430	26000	2900	180000
Chlorobenzene	430	Not Detected	2000	Not Detected
Ethyl Benzene	430	16000	1900	69000
m,p-Xylene	430	66000	1900	280000
o-Xylene	430	26000	1900	110000
Styrene	430	Not Detected	1800	Not Detected
1,1,2,2-Tetrachloroethane	430	Not Detected	3000	Not Detected
Bromodichloromethane	430	Not Detected	2900	Not Detected
Dibromochloromethane	430	Not Detected	3700	Not Detected
Chloromethane	1700	Not Detected	3600	Not Detected
Acetone	1700	14000	4100	32000
Carbon Disulfide	1700	Not Detected	5400	Not Detected
trans-1,2-Dichloroethene	1700	200 J	6900	790 J
2-Butanone (Methyl Ethyl Ketone)	1700	11000	5100	32000
4-Methyl-2-pentanone	1700	6800	7100	28000
2-Hexanone	1700	Not Detected	7100	Not Detected
Bromoform	1700	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CAC
1/5/06

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0512257A-06A

MODIFIED EPA METHOD TO-14A, GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	99	70-130

CMS
1/5/06

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0512257A-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	430	1700	1100	4200
Bromomethane	430	Not Detected	1700	Not Detected
Chloroethane	430	350 J 15	1100	930 J
1,1-Dichloroethene	430	520	1700	2100
Methylene Chloride	430	34000	1500	120000
1,1-Dichloroethane	430	4000	1800	16000
cis-1,2-Dichloroethene	430	9000	1700	36000
Chloroform	430	1900	2100	9400
1,1,1-Trichloroethane	430	28000	2400	150000
Carbon Tetrachloride	430	Not Detected	2700	Not Detected
Benzene	430	19000	1400	60000
1,2-Dichloroethane	430	880	1800	3500
Trichloroethene	430	18000	2300	98000
1,2-Dichloropropane	430	260 J 15	2000	1200 J
cis-1,3-Dichloropropene	430	Not Detected	2000	Not Detected
Toluene	430	100000	1600	380000
trans-1,3-Dichloropropene	430	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	430	Not Detected	2400	Not Detected
Tetrachloroethene	430	25000	2900	170000
Chlorobenzene	430	Not Detected	2000	Not Detected
Ethyl Benzene	430	15000	1900	64000
m,p-Xylene	430	62000	1900	270000
o-Xylene	430	24000	1900	100000
Styrene	430	Not Detected	1800	Not Detected
1,1,2,2-Tetrachloroethane	430	Not Detected	3000	Not Detected
Bromodichloromethane	430	Not Detected	2900	Not Detected
Dibromochloromethane	430	Not Detected	3700	Not Detected
Chloromethane	1700	Not Detected	3600	Not Detected
Acetone	1700	13000	4100	32000
Carbon Disulfide	1700	Not Detected	5400	Not Detected
trans-1,2-Dichloroethene	1700	200 J 15	6900	820 J
2-Butanone (Methyl Ethyl Ketone)	1700	11000	5100	32000
4-Methyl-2-pentanone	1700	6700	7100	27000
2-Hexanone	1700	Not Detected	7100	Not Detected
Bromoform	1700	Not Detected	18000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
1/5/06

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0512257A-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	98	70-130

CRS
1/5/06

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0512257A-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	6.7	59	17	150
Bromomethane	6.7	Not Detected	26	Not Detected
Chloroethane	6.7	14	18	38
1,1-Dichloroethene	6.7	92	26	360
Methylene Chloride	6.7	600	23	2100
1,1-Dichloroethane	6.7	71	27	290
cis-1,2-Dichloroethene	6.7	200	26	810
Chloroform	6.7	34	33	170
1,1,1-Trichloroethane	6.7	470	36	2600
Carbon Tetrachloride	6.7	Not Detected	42	Not Detected
Benzene	6.7	460	21	1500
1,2-Dichloroethane	6.7	16	27	66
Trichloroethene	6.7	330	36	1800
1,2-Dichloropropane	6.7	4.4 J /5	31	20 J
cis-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
Toluene	6.7	1400	25	5400
trans-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
1,1,2-Trichloroethane	6.7	Not Detected	36	Not Detected
Tetrachloroethene	6.7	510	45	3500
Chlorobenzene	6.7	2.9 J /5	31	13 J
Ethyl Benzene	6.7	160	29	710
m,p-Xylene	6.7	610	29	2600
o-Xylene	6.7	250	29	1100
Styrene	6.7	46	28	200
1,1,2,2-Tetrachloroethane	6.7	Not Detected	46	Not Detected
Bromodichloromethane	6.7	Not Detected	45	Not Detected
Dibromochloromethane	6.7	Not Detected	57	Not Detected
Chloromethane	27	9.0 J /5	55	19 J
Acetone	27	480	64	1200
Carbon Disulfide	27	Not Detected	83	Not Detected
trans-1,2-Dichloroethene	27	23 J /5	110	91 J
2-Butanone (Methyl Ethyl Ketone)	27	200	79	580
4-Methyl-2-pentanone	27	58	110	240
2-Hexanone	27	Not Detected	110	Not Detected
Bromoform	27	Not Detected	280	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

OKS
11/6/06

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0512257A-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	100	70-130

CDS
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AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF Duplicate

Lab ID#: 0512257A-08AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	6.7	57	17	140
Bromomethane	6.7	Not Detected	26	Not Detected
Chloroethane	6.7	13	18	35
1,1-Dichloroethene	6.7	89	26	350
Methylene Chloride	6.7	590	23	2000
1,1-Dichloroethane	6.7	68	27	280
cis-1,2-Dichloroethene	6.7	200	26	780
Chloroform	6.7	34	33	160
1,1,1-Trichloroethane	6.7	450	36	2500
Carbon Tetrachloride	6.7	Not Detected	42	Not Detected
Benzene	6.7	450	21	1400
1,2-Dichloroethane	6.7	15	27	61
Trichloroethene	6.7	320	36	1700
1,2-Dichloropropane	6.7	4.6 J 15	31	21 J
cis-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
Toluene	6.7	1400	25	5300
trans-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
1,1,2-Trichloroethane	6.7	Not Detected	36	Not Detected
Tetrachloroethene	6.7	480	45	3300
Chlorobenzene	6.7	Not Detected	31	Not Detected
Ethyl Benzene	6.7	160	29	680
m,p-Xylene	6.7	590	29	2500
o-Xylene	6.7	230	29	1000
Styrene	6.7	44	28	190
1,1,2,2-Tetrachloroethane	6.7	Not Detected	46	Not Detected
Bromodichloromethane	6.7	Not Detected	45	Not Detected
Dibromochloromethane	6.7	Not Detected	57	Not Detected
Chloromethane	27	9.1 J 15	55	19 J
Acetone	27	460	64	1100
Carbon Disulfide	27	Not Detected	83	Not Detected
trans-1,2-Dichloroethene	27	22 J 15	110	87 J
2-Butanone (Methyl Ethyl Ketone)	27	200	79	580
4-Methyl-2-pentanone	27	58	110	240
2-Hexanone	27	3.9 J 15	110	16 J
Bromoform	27	Not Detected	280	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
1/5/06

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF Duplicate

Lab ID#: 0512257A-08AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	98	70-130

CRS
1/5/06

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512257A-09A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
trans-1,2-Dichloroethene	2.0	Not Detected	7.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected	8.2	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512257A-09A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512257A-10A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	%Recovery
Vinyl Chloride	100
Bromomethane	99
Chloroethane	101
1,1-Dichloroethene	98
Methylene Chloride	94
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	96
Chloroform	91
1,1,1-Trichloroethane	96
Carbon Tetrachloride	98
Benzene	94
1,2-Dichloroethane	96
Trichloroethene	95
1,2-Dichloropropane	93
cis-1,3-Dichloropropene	97
Toluene	93
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	95
Tetrachloroethene	93
Chlorobenzene	95
Ethyl Benzene	94
m,p-Xylene	92
o-Xylene	98
Styrene	100
1,1,2,2-Tetrachloroethane	98
Bromodichloromethane	93
Dibromochloromethane	92
Chloromethane	101
Acetone	96
Carbon Disulfide	91
trans-1,2-Dichloroethene	87
2-Butanone (Methyl Ethyl Ketone)	97
4-Methyl-2-pentanone	98
2-Hexanone	97
Bromoform	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512257A-10A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512257A-11A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	%Recovery
Vinyl Chloride	74
Bromomethane	77
Chloroethane	77
1,1-Dichloroethene	78
Methylene Chloride	78
1,1-Dichloroethane	77
cis-1,2-Dichloroethene	103
Chloroform	74
1,1,1-Trichloroethane	73
Carbon Tetrachloride	76
Benzene	76
1,2-Dichloroethane	78
Trichloroethene	77
1,2-Dichloropropane	77
cis-1,3-Dichloropropene	89
Toluene	81
trans-1,3-Dichloropropene	81
1,1,2-Trichloroethane	77
Tetrachloroethene	77
Chlorobenzene	78
Ethyl Benzene	79
m,p-Xylene	81
o-Xylene	80
Styrene	88
1,1,2,2-Tetrachloroethane	78
Bromodichloromethane	86
Dibromochloromethane	83
Chloromethane	86
Acetone	96
Carbon Disulfide	89
trans-1,2-Dichloroethene	83
2-Butanone (Methyl Ethyl Ketone)	91
4-Methyl-2-pentanone	92
2-Hexanone	82
Bromoform	81

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512257A-11A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

AIR TOXICS LTD.

Client Sample ID: LCSD

Lab ID#: 0512257A-11AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Compound	%Recovery
Vinyl Chloride	78
Bromomethane	82
Chloroethane	82
1,1-Dichloroethene	83
Methylene Chloride	84
1,1-Dichloroethane	82
cis-1,2-Dichloroethene	109
Chloroform	79
1,1,1-Trichloroethane	78
Carbon Tetrachloride	80
Benzene	79
1,2-Dichloroethane	82
Trichloroethene	79
1,2-Dichloropropane	81
cis-1,3-Dichloropropene	92
Toluene	86
trans-1,3-Dichloropropene	86
1,1,2-Trichloroethane	83
Tetrachloroethene	81
Chlorobenzene	81
Ethyl Benzene	84
m,p-Xylene	86
o-Xylene	85
Styrene	95
1,1,2,2-Tetrachloroethane	82
Bromodichloromethane	90
Dibromochloromethane	88
Chloromethane	90
Acetone	103
Carbon Disulfide	95
trans-1,2-Dichloroethene	87
2-Butanone (Methyl Ethyl Ketone)	98
4-Methyl-2-pentanone	95
2-Hexanone	89
Bromoform	86

Container Type: NA - Not Applicable

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

AIR TOXICS LTD.

Client Sample ID: LCSD

Lab ID#: 0512257A-11AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

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CHAIN-OF-CUSTODY RECORD

Contact Person: Chris Daley
Company: Montgomery Watson Email:
Address: 175 Jackson Bl. City: Chicago State: IL Zip: 600
Phone: 312 831 3406 Fax: 312 831 3021
Collected by: (Signature)

Project Info: ACS
P.O. #:
Project #:
Project Name: ACS Griffith

Turn Around Time: ☒ Normal ☐ Rush specify

Lab Use Only: Pressurized by: Date: Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final Vac
01A	1 OFFsite ISVE	88	12-8-05	1318	TO13/TO14 Summa Sorb Tube	-30	0		
02A	2 SBPA ISVE	14	"	1319	" "	-30	0		
03A	3 TOX1 Inf	27		1335	" "	-30	0		
04A	4 TOX1 Inf Dup	98		1355	" "	-30	0		
05A	5 TOX1 Eff	04		1344	" "	-28	0		
06A	6 TOX2 Inf	82		1406	" "	-30	0		
07A	7 TOX2 Inf Dup	86		1426	" "	-30	0		
08A	8 TOX2 Eff	78		1416	TO13/TO14 Summa + Sorb Tube	30	0		

Relinquished by: (signature) Date/Time 1500 12-8-05
Received by: (signature) Date/Time 12/10/05 0835 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	Customer Seals Intact?	Work Order #
	FedEx	8519 1245 7321	14°C	see discrepancy report	Yes No None	0512257

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