QUARTERLY MONITORING REPORT
ACTIVE TREATMENT SYSTEMS
THIRD 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

March 2006

EPA Region 5 Records Ctr.
258669

MWH

QUARTERLY MONITORING REPORT FOR ACTIVE TREATMENT SYSTEMS THIRD QUARTER 2005

AMERICAN CHEMICAL SERVICE NPL SITE GRIFFITH, INDIANA

Prepared For:

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

Prepared by: _____ March 10, 2006
Jonathan Pohl, P.E. — Date
Project Engineer

Approved by: _____ March 10, 2006
Peter Vagt, Ph.D., CPG — Date
Project Manager

TABLE OF CONTENTS

SECTION	PAGE
ACRONYMS AND ABBREVIATIONS	iii
1.0 INTRODUCTION	1
2.0 GWTP COMPLIANCE MONITORING	3
2.1 Introduction	3
2.2 Effluent Sampling and Analyses	3
2.3 Effluent Analytical Results	4
2.3.1 GWTP Effluent Samples	4
3.0 ISVE SYSTEM MONITORING	5
3.1 Thermal Oxidizer Off-Gas Sampling	5
3.2 Sampling Results	5
3.3 ISVE System Monitoring	6
4.0 GWTP PROCESS MODIFICATIONS AND REPAIRS	7
4.1 GWTP Process Modifications	7
4.2 GWTP Repairs and Maintenance	7
5.0 ISVE PROCESS MODIFICATIONS AND REPAIRS	8
5.1 ISVE Process Modifications	8
5.2 ISVE Repairs and Maintenance	8
6.0 PGCS AND BWES GAUGING ACTIVITIES	9
7.0 SYSTEM OPERATION	11
8.0 REFERENCES	12

TABLES

Table 2.1	Groundwater Treatment System Effluent Discharge Limits
Table 2.2	Summary of Effluent Analytical Results – Third Quarter 2005; Groundwater Treatment System
Table 3.1	Thermal Oxidizer 1 Results for Method TO-14 (VOCs) – July 2005
Table 3.2	Thermal Oxidizer 1 Results for Method TO-14 (VOCs) – August 2005
Table 3.3	Thermal Oxidizer 1 Results for Method TO-14 (VOCs) – September 2005
Table 3.4	Thermal Oxidizer 2 Results for Method TO-14 (VOCs) – July 2005
Table 3.5	Thermal Oxidizer 2 Results for Method TO-14 (VOCs) – August 2005
Table 3.6	Thermal Oxidizer 2 Results for Method TO-14 (VOCs) – September 2005
Table 3.7	SBPA and Off-site ISVE System Results for Method TO-14 (VOCs) – July 2005
Table 3.8	SBPA and Off-site ISVE System Results for Method TO-14 (VOCs) – August 2005
Table 3.9	SBPA and Off-site ISVE System Results for Method TO-14 (VOCs) – September 2005
Table 3.10	Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) – July 2005
Table 3.11	Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) – August 2005

TABLES
(Continued)

Table 3.12	Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) – September 2005
Table 3.13	Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) – July 2005
Table 3.14	Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) – August 2005
Table 3.15	Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) – September 2005
Table 3.16	SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) – July 2005
Table 3.17	SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) – August 2005
Table 3.18	SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) – September 2005
Table 3.19	Off-Site In-Situ Vapor Extraction (ISVE) System Well Monitoring Data – Third Quarter 2005
Table 3.20	Off-Site In-Situ Vapor Extraction (ISVE) System Header Monitoring Data – Third Quarter 2005
Table 3.21	SBPA In-Situ Vapor Extraction (ISVE) System Well Monitoring Data – Third Quarter 2005
Table 3.22	SBPA In-Situ Vapor Extraction (ISVE) System Header Monitoring Data – Third Quarter 2005
Table 6.1	Water Table Elevations Across the Barrier Wall and Near the PGCS – September 2005
Table 6.2	Water Levels Inside Barrier Wall – Third Quarter 2005

FIGURES

Figure 6.1	Upper Aquifer Water Table Contour Map – September 2005
Figure 6.2	Water Table Elevations Across the Barrier Wall – September 2005
Figure 6.3	Water Level Trends Inside Barrier Wall (Still Bottoms Pond Area)
Figure 6.4	Water Level Trends Inside Barrier Wall (Off-Site Area)

APPENDICES

Appendix A Effluent Analytical Data
- July 12, 2005 Compliance Sample – Laboratory Results
- August 15, 2005 Compliance Sample – Laboratory Results
- September 13, 2005 Compliance Sample – Laboratory Results

Appendix B Thermal Oxidizer Off-Gas Analytical Data
- July 11, 2005 Off-Gas Sample Laboratory Results
- August 12, 2005 Off-Gas Sample Laboratory Results
- September 15, 2005 Off-Gas Sample Laboratory Results

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.

In the fall of 2001, MWH began construction of an In-Situ Vapor Extraction (ISVE) system for the Off-Site Containment Area (OFCA) and the Kapica-Pazmey (K-P) Area, both within the area known as the Off-Site Area. The ISVE system was designed to remove volatile and semi-volatile compounds from the subsurface media. As outlined in the Final Remedy, the design and installation of the Off-Site and SBPA ISVE systems are to be implemented in stages. Following the start-up of the initial ISVE system, the system will be evaluated for performance, and then upgraded as necessary to operate at full-scale.

The Off-Site Area ISVE system consists of 42 ISVE wells, 3 air sparge wells, ISVE and air sparge blower systems, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. The construction of the system was completed in March 2002 and the system was started on May 1, 2002 after the startup of the thermal oxidizer and scrubber system was completed. 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 to 2000 cubic feet per minute (cfm).

In the beginning of 2003, MWH began construction of an ISVE system for the Still Bottoms Pond Area (SBPA). The SBPA ISVE system consists of 25 ISVE wells, 21 dual phase extraction (DPE) wells, 6 air sparge wells, ISVE and air sparge blower systems, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. The construction of the system was completed and the system was started in July of 2003. As part of the ISVE operations, a new thermal oxidizer/scrubber unit was installed in the GWTP in the spring of 2003. The new unit was installed to treat vapors from both ISVE systems. In 2004, Phase 2 of the SBPA ISVE schedule began. The performance of the ISVE system was evaluated in order to make recommendations to upgrade and optimize the system. Construction of the SBPA ISVE upgrades (Phase 3) is scheduled to begin in the fourth quarter of 2005.

This Active Treatment Systems 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 July 2005 through September 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 July and analyzed for all of the analytes listed above. During August and September, the monthly effluent compliance sample was 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 was started up on March 13, 1997

2.2 EFFLUENT SAMPLING AND ANALYSES

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

July 12, 2005	full analysis (pH, TSS, BOD, Metals, VOCs, SVOCs, pentachlorophenol, and PCBs)
August 15, 2005	pH and VOCs
September 13, 2005	pH and VOCs

The above samples were collected directly from a sampling tap 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 July, August, or September 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 third 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 July 11th, August 12th, and September 15th.

Influent and effluent off-gas samples were collected directly from sampling taps 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 July, August, and September. For example, the VOC discharge reported from the July 11, 2005 Therm Ox 1 sample was 0.040 pounds per hour, approximately one percent of the discharge limit. The VOC discharge from the July 11, 2005 Therm Ox 2 sample was 0.079 pounds per hour, approximately two percent of the discharge limit. The results for August and September 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 third 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 monitor the performance of these systems and are not part of the compliance requirements.

Air Toxics Laboratories of Folsom, California analyzed the samples. The analytical results are summarized in Tables 3.1 through 3.18. Laboratory Data Consultants of Carlsbad, California 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 third quarter of 2005 is presented in Tables 3.19 and 3.20. Data that was collected from the SBPA ISVE system during the third quarter of 2005 is presented in Tables 3.21 and 3.22.

4.0 GWTP PROCESS MODIFICATIONS AND REPAIRS

4.1 GWTP PROCESS MODIFICATIONS

No process modifications were made to the GWTP during the Third Quarter of 2005.

4.2 GWTP REPAIRS AND MAINTENANCE

The following repairs were made to the GWTP during the Third Quarter of 2005:

- During the first week of July, a new diaphragm pump was installed for the lamella clarifier (P-13).
- During the week of August 22nd, a new input card was installed in the GWTP's control logic.

5.0 ISVE PROCESS MODIFICATIONS AND REPAIRS

5.1 ISVE PROCESS MODIFICATIONS

The SBPA ISVE system operated with 23 ISVE wells and the Off-Site ISVE system was operated with 42 ISVE wells throughout the third quarter.

The SBPA ISVE System Upgrades were scheduled to start at the beginning of October 2005 and take approximately two weeks to complete. Eighteen target SBPA ISVE wells were configured to operate as air injection wells, to mobilize the subsurface contaminants from the air injection wells to adjacent extraction wells.

Product removal activities were performed at six ISVE well locations in the SBPA throughout the third quarter (SVE-52, SVE-53, SVE-62, SVE-72, SVE-88, DPE-61). Product was removed from all six wells once during each month of the quarter.

5.2 ISVE REPAIRS AND MAINTENANCE

On July 12th, the pumps were removed from all 21 of the dual phase extraction (DPE) wells in the SBPA area. The pumps were taken apart and cleaned. New stainless steel pipe discharges, check valves, airlines, and quick disconnects were all installed on 19 of the 21 pumps. The DPE pumps were placed back into the DPE SBPA wells on August 3rd. Due to the presence of substantial product in DPE-61 and SVE-63, special pumps were needed. On July 14th, a new bladder pump was installed in DPE-61. The well joined the group of product removal wells. If the new bladder pump placed in DPE-61 is capable of continually removing product from the well, a similar pump will be obtained and installed in SVE-63.

During the week of July 11th, Therm Ox 1 shutdown twice due to a flame failure. The flame detector was replaced on July 14th, as well as the gaskets in the ductwork between the oxidizer and scrubber. Therm Ox 1 had no other problems during the third quarter.

On August 3rd a new conductivity controller was installed on Therm Ox 2, due to a caustic leak that damaged the original controller. Global Engineering is scheduled to come to the ACS Site in October to repair the heat exchanger in Therm Ox 2.

6.0 PGCS AND BWES GAUGING ACTIVITIES

When the GWTP was operational, the PGCS groundwater extraction trenches were operated in "auto" mode during the third 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 third quarter of 2005.

In accordance with the PSVP for the Site, 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 July, August, and September 2005. Groundwater elevation measurements were collected throughout the Site on September 19, 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 September 19, 2005. The groundwater elevations are illustrated on Figure 6.2. The groundwater elevation measurements were within a range of 2.56 to 5.68 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. There were, however, two locations (P107/P108 and P93R/P94R) where the piezometer on the inside of the barrier wall had a higher elevation than its corresponding outer piezometer (0.65 feet and 2.93 feet, respectively). Historically, the higher groundwater elevations for these wells have been located outside the barrier wall. The upcoming groundwater data, that will be reported for the 4th Quarter, shows that both piezometer sets have elevations higher outside the barrier wall. Therefore, the third quarter results are not representative of the gradient across the wall. MWH will continue to monitor the two piezometer sets for any elevation changes across the barrier wall. MWH will also 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 piezometers 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 third 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 626 feet amsl to 631 feet amsl. These figures show that there has been a general decrease in the average water levels since the Second 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 Second 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 98 percent of the third quarter of 2005 (based on days of operation). 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 87 percent of the third quarter of 2005 (based on days of operation). The SBPA ISVE system continued to operate as designed for approximately 91 percent of the third quarter of 2005 (based on days of operation).

8.0 REFERENCES

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

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

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

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

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

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

ALC/JDP/PJV/jmf
J:\209\0603 ACS\0301 GWTP\6030301a168a.doc
2090603.030101

Tables

MWH

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 - Third Quarter 2005
Groundwater Treatment System
American Chemical Service NPL Site
Griffith, Indiana

Event Date	Month 98 7/12/2005	Month 99 8/15/2005	Month 100 9/13/2005	Effluent Limits	Lab Reporting Limits
pH	7.17 /J	7.66 /J	7.55 /J	6-9	none
TSS	6.00	NS	NS	30	10
BOD	< 2 / UJ	NS	NS	30	2
Arsenic	6.3 B/	NS	NS	50	3.4
Beryllium	ND	NS	NS	NE	0.2
Cadmium	ND	NS	NS	4.1	0.3
Manganese	9.4 B/UB	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	ND	NS	NS	411	1.2
Benzene	0.50 U/	0.50 U/	0.50 U/UJ	5	0.5
Acetone	2.5 U/	2.5 U/UJ	2.5 U/UJ	6,800	3
2-Butanone	2.5 U/	2.5 U/UJ	2.5 U/UJ	210	3
Chloromethane	0.3 J/ J	0.50 U/UJ	0.50 U/UJ	NE	0.5
1,4-Dichlorobenzene	0.50 U/	0.50 U/	0.50 U/UJ	NE	0.5
1,1-Dichloroethane	0.50 U/	0.50 U/	0.50 U/UJ	NE	0.5
cis-1,2-Dichloroethene	0.50 U/	0.50 U/	0.50 U/UJ	70	0.5
Ethylbenzene	0.50 U/	0.50 U/	0.50 U/UJ	34	0.5
Methylene chloride	0.50 U/	0.50 U/	0.44 J/J	5	0.6
Tetrachloroethene	0.50 U/	0.50 U/	0.50 U/UJ	5	0.5
Trichloroethene	0.50 U/	0.50 U/	0.50 U/UJ	5	0.5
Vinyl chloride	0.50 U/	0.50 U/	0.50 U/UJ	2	0.5
4-Methyl-2-pentanone	ND /UJ	2.5 U/UJ	2.5 U/UJ	15	3
bis (2-Chloroethyl) ether	ND	NS	NS	9.6	9.6
bis(2-Ethylhexyl) - phthalate	ND	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 exceedance 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.
U = Analyte is not detected at or above the indicated concentration.
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.

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

		Sampled 7/11/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	42,000		36,000		140		99.61%	99.67%	99.64%
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	5,300		4,500		18		99.60%	99.66%	99.63%
1,1-Dichloroethene	ppbv	430		360	J/J	1.4		NC	NC	NC
1,2-Dichloroethane	ppbv	720		680		2.50		99.63%	99.65%	99.64%
1,2-Dichloropropane	ppbv	530		440		1.7		99.61%	99.68%	99.65%
2-Butanone (Methyl Ethyl Ketone)	ppbv	1,200	J/J	ND	U	6.6		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	1,300	J/J	1,100	J/J	5.0		NC	NC	NC
Acetone	ppbv	2,600		3,600		13		99.50%	99.64%	99.57%
Benzene	ppbv	11,000		9,600		50		99.48%	99.55%	99.51%
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	1,300	J/J	1,900		0.74	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	150	J/J	0.84	J/J	NC	NC	NC
Chloroethane	ppbv	840		740		4.2		99.43%	99.50%	99.47%
Chloroform	ppbv	14,000		12,000		44		99.63%	99.69%	99.66%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	39,000		34,000		180		99.47%	99.54%	99.50%
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	22,000		18,000		85		99.53%	99.61%	99.57%
m,p-Xylene	ppbv	93,000		78,000		370		99.53%	99.60%	99.56%
Methylene Chloride	ppbv	12,000		10,000		36		99.64%	99.70%	99.67%
o-Xylene	ppbv	40,000		33,000		160		99.52%	99.60%	99.56%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	60,000		50,000		210		99.58%	99.65%	99.62%
Toluene	ppbv	100,000		88,000		390		99.56%	99.61%	99.58%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	0.65	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	35,000		29,000		110		99.62%	99.69%	99.65%
Vinyl Chloride	ppbv	1,800		1,600		10		99.38%	99.44%	99.41%
Total	**ppbv**	**484,020**		**412,670**		**1,839.63**		**99.55%**	**99.62%**	**99.59%**
Total	**lb/hr**	**10.62**		**9.02**		**0.040**		**99.56%**	**99.62%**	**99.59%**

Notes:
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 1 VOC lb/hr based on 1360 scfm, 114 degrees Fahrenheit (7/11/05)
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
_/ = Laboratory data qualifier
/_ = Data validation qualifier

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

		Sampled 8/12/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	39,000		35,000		2.4		99.99%	99.99%	99.99%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	0.26	J/J	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,500		4,000		0.44	J/J	NC	NC	NC
1,1-Dichloroethene	ppbv	1,500		2,900		110		92.67%	96.21%	94.44%
1,2-Dichloroethane	ppbv	710		720		ND	U	100.00%	100.00%	100.00%
1,2-Dichloropropane	ppbv	680		670		ND	U	100.00%	100.00%	100.00%
2-Butanone (Methyl Ethyl Keton	ppbv	2,200	J/J	2,200		7.7		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	1	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	2,400		2,400		0.94	J/J	NC	NC	NC
Acetone	ppbv	5,000		5,100		35		99.30%	99.31%	99.31%
Benzene	ppbv	12,000		12,000		120		99.00%	99.00%	99.00%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	0.38	J/J	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	1,500	J/J	680	J/J	5.4		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.79		NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	7.3		NC	NC	NC
Chloroethane	ppbv	400	J/J	590		2.5		NC	NC	NC
Chloroform	ppbv	15,000		15,000		2.8		99.98%	99.98%	99.98%
Chloromethane	ppbv	ND	U	ND	U	23	B/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	48,000		44,000		74		99.83%	99.85%	99.84%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	0.77		NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	18,000		20,000		7.8		99.96%	99.96%	99.96%
m,p-Xylene	ppbv	86,000		94,000		50		99.94%	99.95%	99.94%
Methylene Chloride	ppbv	12,000		10,000		19		99.81%	99.84%	99.83%
o-Xylene	ppbv	40,000		44,000		20		99.95%	99.95%	99.95%
Styrene	ppbv	ND	U	ND	U	9.6		NC	NC	NC
Tetrachloroethene	ppbv	54,000		56,000		220		99.59%	99.61%	99.60%
Toluene	ppbv	110,000		110,000		34		99.97%	99.97%	99.97%
trans-1,2-Dichloroethene	ppbv	ND	U	380	J/J	49		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	0.72		NC	NC	NC
Trichloroethene	ppbv	30,000		30,000		83		99.72%	99.72%	99.72%
Vinyl Chloride	ppbv	3,600		3,200		37		98.84%	98.97%	98.91%
Total	**ppbv**	**486,490**		**492,840**		**924.80**		**99.81%**	**99.81%**	**99.81%**
Total	**lb/hr**	**9.655**		**9.795**		**0.018**		**99.81%**	**99.81%**	**99.81%**

Notes:

NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 1 VOC lb/hr based on 1250 scfm, 112 degrees Fahrenheit (8/12/05)
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
B = Compound is also detected in the blank
_/ = Laboratory data qualifier
/_ = Data validation qualifier

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

		Sampled 9/15/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	48,000		41,000		48		99.88%	99.90%	99.89%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	0.96	J/J	NC	NC	NC
1,1-Dichloroethane	ppbv	5,400		4,900		6.9		99.86%	99.87%	99.87%
1,1-Dichloroethene	ppbv	3,300		2,500		180		92.80%	94.55%	93.67%
1,2-Dichloroethane	ppbv	690	J/J	560	J/J	1.8	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	950	J/J	910	J/J	2	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	2,600	J/J	2,600	J/J	12		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	2	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	1,900	J/J	1,400	J/J	8.7	J/J	NC	NC	NC
Acetone	ppbv	5,900		6,200		42		99.29%	99.32%	99.31%
Benzene	ppbv	22,000		20,000		350		98.25%	98.41%	98.33%
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	3.8		NC	NC	NC
Carbon Disulfide	ppbv	2,400	J/J	2,500	J/J	10	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	13		NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	2.4	J/J	NC	NC	NC
Chloroform	ppbv	11,000		9,900		18		99.82%	99.84%	99.83%
Chloromethane	ppbv	ND	U/R	ND	U/R	100	_/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	120,000		100,000		360		99.64%	99.70%	99.67%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	1.9	J/J	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	34,000		32,000		220		99.31%	99.35%	99.33%
m,p-Xylene	ppbv	190,000		180,000		1,300		99.28%	99.32%	99.30%
Methylene Chloride	ppbv	33,000	_/J	34,000	_/J	53	_/J	NC	NC	NC
o-Xylene	ppbv	78,000		74,000		630		99.15%	99.19%	99.17%
Styrene	ppbv	ND	U	ND	U	53		NC	NC	NC
Tetrachloroethene	ppbv	75,000		68,000		540		99.21%	99.28%	99.24%
Toluene	ppbv	270,000		250,000		930		99.63%	99.66%	99.64%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	110		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	1.8	J/J	NC	NC	NC
Trichloroethene	ppbv	44,000		40,000		220		99.45%	99.50%	99.48%
Vinyl Chloride	ppbv	3,700		3,200		120		96.25%	96.76%	96.50%
Total	**ppbv**	**951,840**		**873,670**		**5,341.3**		**99.39%**	**99.44%**	**99.42%**
Total	**lb/hr**	**18.316**		**16.777**		**0.102**		**99.39%**	**99.44%**	**99.42%**

Notes:

NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 1 VOC lb/hr based on 1250 scfm, 108 degrees Fahrenheit (9/15/05)
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
R = Quality control indicates the data is not usable.
_/ = Laboratory data qualifier
/_ = Data validation qualifier

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

		Sampled 7/11/05											
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	30,000		28,000		160		99.43%	99.47%	99.45%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	240	J/J	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,200		3,900		40		98.97%	99.05%	99.01%
1,1-Dichloroethene	ppbv	230	J/J	220	J/J	3.9		NC	NC	NC
1,2-Dichloroethane	ppbv	1,500		1,400		5.8		99.59%	99.61%	99.60%
1,2-Dichloropropane	ppbv	340	J/J	280	J/J	3.2		NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	11,000		11,000		53		99.52%	99.52%	99.52%
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	4,700		4,300		18.0		99.58%	99.62%	99.60%
Acetone	ppbv	15,000		14,000		60		99.57%	99.60%	99.59%
Benzene	ppbv	25,000		24,000		220		99.08%	99.12%	99.10%
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	1,900		3,200		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	1.7	J/J	NC	NC	NC
Chloroethane	ppbv	500		490		23		95.31%	95.40%	95.35%
Chloroform	ppbv	3,000		2,800		16		99.43%	99.47%	99.45%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	11,000		12,000		710		93.55%	94.08%	93.81%
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		140		99.07%	99.13%	99.10%
m,p-Xylene	ppbv	66,000		61,000		580		99.05%	99.12%	99.09%
Methylene Chloride	ppbv	32,000		29,000		110		99.62%	99.66%	99.64%
o-Xylene	ppbv	24,000		22,000		200		99.09%	99.17%	99.13%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	32,000		30,000		280		99.07%	99.13%	99.10%
Toluene	ppbv	120,000		110,000		930		99.15%	99.23%	99.19%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	1.7	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	22,000		21,000		110		99.48%	99.50%	99.49%
Vinyl Chloride	ppbv	480		530		64		86.67%	87.92%	87.30%
Total	**ppbv**	**421,090**		**394,120**		**3,732**		**99.05%**	**99.11%**	**99.08%**
Total	**lb/hr**	**9.06**		**8.47**		**0.079**		**99.06%**	**99.12%**	**99.09%**

Notes:
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 2 VOC lb/hr based on 1377 scfm, 85 degrees Fahrenheit (7/11/05)
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
_/ = Laboratory data qualifier
/_ = Data validation qualifier

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

		Sampled 8/12/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	31,000		29,000		46		99.84%	99.85%	99.85%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	160	J/J	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	3,900		3,800		6.1		99.84%	99.84%	99.84%
1,1-Dichloroethene	ppbv	1,700		1,900		0.82		99.95%	99.96%	99.95%
1,2-Dichloroethane	ppbv	1,300		1,100		0.96		99.91%	99.93%	99.92%
1,2-Dichloropropane	ppbv	290	J/J	290	J/J	0.84		NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	12,000		10,000		5.1		99.95%	99.96%	99.95%
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	5,600		5,000		3.2		99.94%	99.94%	99.94%
Acetone	ppbv	16,000		14,000		20		99.86%	99.88%	99.87%
Benzene	ppbv	23,000		21,000		19		99.91%	99.92%	99.91%
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	940	J/J	1,000	J/J	0.47	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	ND	U	1.5		NC	NC	NC
Chloroform	ppbv	3,300		3,000		18		99.40%	99.45%	99.43%
Chloromethane	ppbv	ND	U	ND	U	1.2	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	6,300		5,100		69		98.65%	98.90%	98.78%
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	19,000		14,000		38		99.73%	99.80%	99.76%
m,p-Xylene	ppbv	88,000		59,000		200		99.66%	99.77%	99.72%
Methylene Chloride	ppbv	31,000		28,000		15		99.95%	99.95%	99.95%
o-Xylene	ppbv	29,000		20,000		100		99.50%	99.66%	99.58%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	37,000		27,000		99		99.63%	99.73%	99.68%
Toluene	ppbv	140,000		110,000		170		99.85%	99.88%	99.86%
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	24,000		19,000		43		99.77%	99.82%	99.80%
Vinyl Chloride	ppbv	510		520		6.7		98.69%	98.71%	98.70%
Total	**ppbv**	**473,840**		**372,870**		**863.890**		**99.77%**	**99.82%**	**99.79%**
Total	**lb/hr**	**10.386**		**8.118**		**0.020**		**99.75%**	**99.81%**	**99.78%**

Notes:

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 (8/12/05)

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

_/ = Laboratory data qualifier

/_ = Data validation qualifier

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

		Sampled 9/15/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	31,000		30,000		16		99.95%	99.95%	99.95%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	210	J/J	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,200		4,000		2.8		99.93%	99.93%	99.93%
1,1-Dichloroethene	ppbv	2,400		2,100		1.6		99.92%	99.93%	99.93%
1,2-Dichloroethane	ppbv	1,200		1,200		0.35	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	350	J/J	310	J/J	0.44	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	10,000		10,000		3.9		99.96%	99.96%	99.96%
2-Hexanone	ppbv	ND	U	ND	U	0.62	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	6,800		6,700		2.1	J/J	NC	NC	NC
Acetone	ppbv	22,000		20,000		17		99.92%	99.92%	99.92%
Benzene	ppbv	24,000		23,000		20		99.91%	99.92%	99.91%
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	4,600		2,800		ND	U	100.00%	100.00%	100.00%
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	0.58	J/J	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	1.5		NC	NC	NC
Chloroform	ppbv	3,200		3,000		4.4		99.85%	99.86%	99.86%
Chloromethane	ppbv	ND	U/R	ND	U/R	1.7	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	8,100		7,600		61		99.20%	99.25%	99.22%
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	14,000		15,000		69		99.51%	99.54%	99.52%
m,p-Xylene	ppbv	62,000		63,000		440		99.29%	99.30%	99.30%
Methylene Chloride	ppbv	68,000	_/J	67,000	_/J	8.5	_/J	NC	NC	NC
o-Xylene	ppbv	21,000		21,000		220		98.95%	98.95%	98.95%
Styrene	ppbv	1,500		1,400		ND	U	100.00%	100.00%	100.00%
Tetrachloroethene	ppbv	26,000		27,000		80		99.69%	99.70%	99.70%
Toluene	ppbv	120,000		120,000		240		99.80%	99.80%	99.80%
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	22,000		21,000		26		99.88%	99.88%	99.88%
Vinyl Chloride	ppbv	620	J/J	670	J/J	7.2		NC	NC	NC
Total	**ppbv**	**452,970**		**446,990**		**1,224.7**		**99.73%**	**99.73%**	**99.73%**
Total	**lb/hr**	**9.364**		**9.278**		**0.027**		**99.71%**	**99.71%**	**99.71%**

Notes:
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
Therm-Ox 2 VOC lb/hr based on 1350 scfm, 80 degrees Fahrenheit (9/15/05)
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
R = Quality control indicates the data is not usable.
_/ = Laboratory data qualifier
/_ = Data validation qualifier

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

Compounds	Units	Sampled 7/11/2005			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	*ppbv*	*37,000*		42,000	U
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	4,600		5,600	U
1,1-Dichloroethene	ppbv	380		360	J/J
1,2-Dichloroethane	ppbv	670		1,900	U
1,2-Dichloropropane	ppbv	520		480	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	1,200	J/J	15,000	U
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	1,100	J/J	6,500	U
Acetone	ppbv	2,400		18,000	U
Benzene	ppbv	10,000		32,000	U
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	*ppbv*	*ND*	*U*	*ND*	*U*
Carbon Disulfide	ppbv	1,300	J/J	2,200	J/J
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	730		ND	U
Chloroform	ppbv	12,000		4,200	U
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	34,000		4,600	U
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	18,000		21,000	U
m,p-Xylene	ppbv	76,000		86,000	U
Methylene Chloride	ppbv	10,000		42,000	U
o-Xylene	ppbv	32,000		30,000	U
Styrene	*ppbv*	*ND*	*U*	*ND*	*U*
Tetrachloroethene	ppbv	50,000		42,000	U
Toluene	ppbv	92,000		160,000	U
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	30,000		31,000	U
Vinyl Chloride	ppbv	1,600		350	J/J
Total	**ppbv**	**415,500**		**545,190**	
Total	**lb/hr**	**11.94**		**9.14**	

Notes:

NC = Not calculated

ND = Non-detect

ppbv = parts per billion volume

lb/hr = pounds per hour

7/11/05 VOCs in lb/hr calculated based on Offsite: 1377 scfm, 78 degrees Fahrenheit (7/11/05)
On-site: 1360 scfm, 110 degrees Fahrenheit (7/11/05)

Qualifiers:

J = Result is estimated

U = below reported quantitation limit

_/ = Laboratory data qualifier

/_ = Data validation qualifier

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

Compounds	Units	Sampled 8/12/2005			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	31,000		42,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	240	J/J
1,1-Dichloroethane	ppbv	3,700		5,400	
1,1-Dichloroethene	ppbv	3,200		1,100	
1,2-Dichloroethane	ppbv	640		1,400	
1,2-Dichloropropane	ppbv	590		380	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	1,900		15,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	2,400		6,700	
Acetone	ppbv	4,800		19,000	
Benzene	ppbv	11,000		28,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	650	J/J	1,200	J/J
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	540		ND	U
Chloroform	ppbv	12,000		3,700	
Chloromethane	ppbv	ND	U	270	J/J
cis-1,2-Dichloroethene	ppbv	44,000		4,100	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	19,000		17,000	
m,p-Xylene	ppbv	94,000		72,000	
Methylene Chloride	ppbv	9,600		41,000	
o-Xylene	ppbv	44,000		24,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	55,000		32,000	
Toluene	ppbv	110,000		140,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	27,000		25,000	
Vinyl Chloride	ppbv	3,400		410	J/J
Total	**ppbv**	**478,420**		**479,900**	
Total	**lb/hr**	**9.513**		**10.497**	

Notes:
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
8/12/05 VOCs in lb/hr calculated based on Offsite: 1394 scfm, 80 degrees Fahrenheit (8/12/05)
On-site: 1250 scfm, 110 degrees Fahrenheit (8/12/05)

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

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

Compounds	Units	Sampled 9/15/2005			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	49,000		38,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	390	J/J	200	J/J
1,1-Dichloroethane	ppbv	5,900		5,200	
1,1-Dichloroethene	ppbv	3,400		2,900	
1,2-Dichloroethane	ppbv	720	J/J	1,600	
1,2-Dichloropropane	ppbv	1,000	J/J	430	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	2,800	J/J	14,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	2,000	J/J	9,400	
Acetone	ppbv	6,000		26,000	
Benzene	ppbv	24,000		30,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	2,400	J/J	2,300	J/J
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	ND	U	ND	U
Chloroform	ppbv	12,000		3,700	
Chloromethane	ppbv	ND	U/R	ND	U/R
cis-1,2-Dichloroethene	ppbv	130,000		5,100	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	40,000		19,000	
m,p-Xylene	ppbv	220,000		82,000	
Methylene Chloride	ppbv	29,000	_/J	75,000	_/J
o-Xylene	ppbv	94,000		27,000	
Styrene	ppbv	ND	U	1,800	
Tetrachloroethene	ppbv	82,000		33,000	
Toluene	ppbv	300,000		150,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	47,000		26,000	
Vinyl Chloride	ppbv	3,800		540	J/J
Total	ppbv	**1,055,410**		**553,170**	
Total	lb/hr	**20.422**		**11.494**	

Notes:

NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
9/15/05 VOCs in lb/hr calculated based on Offsite: 1350 scfm, 80 degrees Fahrenheit (9/15/05)
On-site: 1250 scfm, 105 degrees Fahrenheit (9/15/05)
_/ = Laboratory data qualifier
/_ = Data validation qualifier

Qualifiers:

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

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

		Sampled 7/11/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	2.7		3.3		ND	U	100.00%	100.00%	100.00%
1,2-Dichlorobenzene	µg	32		24		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	2.5		2.7		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	6.7		7.2		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	19		23		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	0.86	J/J	0.54	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	0.47	J/J	1.0	J/J	0.28	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.45	J	0.53	J/J	0.27	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	4.2		4.5		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	3.7		4.2		ND	U	100.00%	100.00%	100.00%

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

		Sampled 7/11/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	34		41		0.19	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	**106.58**		**111.97**		**0.74**		**99.31%**	**99.34%**	**99.32%**

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

		Sampled 8/12/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.92	J/J	1		ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	57		61		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	5.6		6		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	14		15		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	2.2		2		ND	U	100.00%	100.00%	100.00%
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	0.18	J/J	0.21	J/J	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	28		31		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	0.6	J/J	0.64	J/J	0.47	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	0.46	J/J	0.34	J/J	0.41	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.38	J/J	0.35	J/J	0.29	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	6.9		7.1		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	4.6		4.9		ND	U	100.00%	100.00%	100.00%

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

		Sampled 8/12/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	57		62		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	**177.84**		**191.54**		**1.17**		**99.34%**	**99.39%**	**99.37%**

Notes:

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

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit
_/ = Laboratory data qualifier concentration. The compound is also detected in the method blank resulting in a
/_ = Data validation qualifier

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

		Sampled 9/15/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	2		2.1		ND	U	100.00%	100.00%	100.00%
1,2-Dichlorobenzene	µg	60		64		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	5.1		5.2		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	14		14		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	0.54	J/J	NC	NC	NC
2-Methylnaphthalene	µg	23		23		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	0.78	J/J	1.6	J/J	1.1	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	0.23	J/J	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.32	J/J	0.34	J/J	0.3	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	8.2		9.3		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	4.2		4.9		ND	U	100.00%	100.00%	100.00%

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

		Sampled 9/15/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	46		51		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	**163.83**		**175.44**		**1.94**		**98.82%**	**98.89%**	**98.86%**

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

		Sampled 7/11/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	1.0		1.1		ND	U	100.00%	100.00%	100.00%
1,2-Dichlorobenzene	µg	31		29		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	1.3		1.2		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	4.1		3.9		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	4.8		6.5		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	1.1	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	ND	U	0.27	J/J	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	0.23	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	2.3		2.4		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	17		18		ND	U	100.00%	100.00%	100.00%

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

		Sampled 7/11/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	30		33		0.25	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	**91.5**		**96.7**		**0.3**		**99.73%**	**99.74%**	**99.73%**

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

		Sampled 8/12/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.26	J/J	0.29	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	16		17		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	0.8	J/J	0.77	J/J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	2.2		2.4		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	0.77	J/J	0.68	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	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	0.52	J/J	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	0.7	J/J	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	0.43	J/J	0.62	J/J	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.39	J/J	0.3	J/J	0.32	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	0.82	J/J	1		ND	U	NC	NC	NC
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	5.3		6		ND	U	100.00%	100.00%	100.00%

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

		Sampled 8/12/05											
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	5.7		6.4		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	**33.4**		**36.0**		**0.3**		**99.04%**	**99.11%**	**99.08%**

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) - September 2005
American Chemical Service
Griffith, Indiana

		Sampled 9/15/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.72	J/J	0.81	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	34		39		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	1.6		1.70		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	4.5		5.2		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	2.70		2.90		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	0.57	J/J	0.78	J/J	2.4	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	0.22	J/J	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.31	J/J	0.28	J/J	0.26	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	2.5		3.1		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	12		14		ND	U	100.00%	100.00%	100.00%

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

		Sampled 9/15/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	17		21		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	**76.1**		**88.8**		**2.7**		**96.51%**	**97.00%**	**96.75%**

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

		Sampled 7/11/2005			
Compounds	Units	SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	0.72	J/J	2.0	
1,2-Dichlorobenzene	µg	13		57	
1,3-Dichlorobenzene	µg	1.0		2.5	
1,4-Dichlorobenzene	µg	2.7		7.2	
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	3.2		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	1.0	J/J	1.0	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	0.36	J/J	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	0.25	J/J	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	1.2		5.1	
Hexachlorocyclopentadiene	µg	ND	U	0.55	J/J
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	1.5		33	

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

		Sampled 7/11/2005			
Compounds	Units	SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	8.9		61	
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	33.8		181.35	

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

		Sampled 8/12/2005			
Compounds	Units	SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	0.59	J/J	2.1	
1,2-Dichlorobenzene	µg	37		67	
1,3-Dichlorobenzene	µg	3.8		2.7	
1,4-Dichlorobenzene	µg	9		8.5	
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	1.4		1.8	
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	12		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	3.3	
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	0.52	J/J	0.99	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	0.28	J/J	0.77	J/J
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	0.26	J/J	0.39	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	3.4		3.8	
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	3.5		39	

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

		Sampled 8/12/2005			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,2,4-Trichlorobenzene	µg	0.59	J/J	2.1	
Naphthalene	µg	28		61	
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	**99.8**		**203.35**	

Notes:
µg = Microgram
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) - September 2005
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 9/15/2005			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	1.8	_/R	3	
1,2-Dichlorobenzene	µg	59	_/R	75	
1,3-Dichlorobenzene	µg	4.9	_/R	3.2	
1,4-Dichlorobenzene	µg	13	_/R	9.6	
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U
2,4-Dichlorophenol	µg	ND	U/R	ND	U
2,4-Dimethylphenol	µg	ND	U/R	ND	U
2,4-Dinitrophenol	µg	ND	U/R	ND	U
2,4-Dinitrotoluene	µg	ND	U/R	ND	U
2,6-Dinitrotoluene	µg	ND	U/R	ND	U
2-Chloronaphthalene	µg	ND	U/R	ND	U
2-Chlorophenol	µg	ND	U/R	ND	U
2-Methylnaphthalene	µg	24	_/R	16	
2-Methylphenol (o-Cresol)	µg	ND	U/R	ND	U
2-Nitroaniline	µg	ND	U/R	ND	U
2-Nitrophenol	µg	ND	U/R	ND	U
3,3'-Dichlorobenzidine	µg	ND	U/R	ND	U
3-Nitroaniline	µg	ND	U/R	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U/R	ND	U
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U
4-Chloroaniline	µg	ND	U/R	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U/R	ND	U
4-Methylphenol/3-Methylphenol	µg	ND	U/R	ND	U
4-Nitroaniline	µg	ND	U/R	ND	U
4-Nitrophenol	µg	ND	U/R	ND	U
Acenaphthene	µg	ND	U/R	ND	U
Acenaphthylene	µg	ND	U/R	ND	U
Anthracene	µg	ND	U/R	ND	U
Benzo(a)anthracene	µg	ND	U/R	ND	U
Benzo(a)pyrene	µg	ND	U/R	ND	U
Benzo(b)fluoranthene	µg	ND	U/R	ND	U
Benzo(g,h,i)perylene	µg	ND	U/R	ND	U
Benzo(k)fluoranthene	µg	ND	U/R	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U/R	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U/R	ND	U
bis(2-Ethylhexyl)phthalate	µg	1.5	J/R	2.6	J/J
Butylbenzylphthalate	µg	ND	U/R	ND	U
Chrysene	µg	ND	U/R	ND	U
Dibenz(a,h)anthracene	µg	ND	U/R	ND	U
Dibenzofuran	µg	ND	U/R	ND	U
Diethylphthalate	µg	0.5	J/R	0.4	J/J
Dimethylphthalate	µg	ND	U/R	ND	U
di-n-Butylphthalate	µg	0.43	J/R	0.45	J/J
Di-n-Octylphthalate	µg	ND	U/R	ND	U
Fluoranthene	µg	ND	U/R	ND	U
Fluorene	µg	ND	U/R	ND	U
Hexachlorobenzene	µg	ND	U/R	ND	U
Hexachlorobutadiene	µg	8.5	_/R	7.3	
Hexachlorocyclopentadiene	µg	ND	U/R	1.6	J/J
Hexachloroethane	µg	ND	U/R	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U/R	ND	U
Isophorone	µg	5.1	_/R	46	

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

Compounds	Units	Sampled 9/15/2005			
		SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	47	_/R	81	
Nitrobenzene	µg	ND	U/R	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U/R	ND	U
N-Nitrosodiphenylamine	µg	ND	U/R	ND	U
Pentachlorophenol	µg	ND	U/R	ND	U
Phenanthrene	µg	ND	U/R	ND	U
Phenol	µg	ND	U/R	ND	U
Pyrene	µg	ND	U/R	ND	U
Total	µg	165.7		246.15	

Notes:
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.
_/ = Laboratory data qualifier
/_ = Data validation qualifier

All results of the SBPA ISVE sample were qualified with an 'R' flag indicating that the data is rejected due to low surrogate recover, in this case less than 10% for 2-Flurophenol.

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-01	7/19/2005	119	99	NM	Water in line
	8/31/2005	0	90	2.5	
	9/29/2005	16	95	172	
SVE-02	7/19/2005	0	90	NM	Water in line
	8/31/2005	16	84	1.5	Water in line
	9/29/2005	0	90	78	
SVE-03	7/19/2005	0	83	NM	Water in line
	8/31/2005	0	80	2.5	
	9/29/2005	0	82	39	
SVE-04	7/19/2005	0	108	NM	Water in line
	8/31/2005	Water	102	1.1	
	9/29/2005	*0*	*107*	*189*	
SVE-05	7/19/2005	226	86	NM	Water in line
	8/31/2005	103	88	3	
	9/29/2005	0	88	210	
SVE-06	7/19/2005	0	76	NM	Water in line
	8/31/2005	0	70	3	Water in line
	9/29/2005	0	74	270	
SVE-07	7/19/2005	0	70	NM	Water in line
	8/31/2005	Water	76	3.5	
	9/29/2005	34	70	168	
SVE-08	7/19/2005	0	88	NM	Water in line
	8/31/2005	Water	90	2.5	
	9/29/2005	*0*	*88*	*360*	
SVE-09	7/19/2005	-	-	-	Water in line
	8/31/2005	29	18	2.4	
	9/29/2005	49	20	142	
SVE-10	7/19/2005	-	-	-	Water in line
	8/31/2005	0	16	2.5	
	9/29/2005	57	20	190	
SVE-11	7/19/2005	-	84	NM	Water in line
	8/31/2005	-	74	2.5	
	9/29/2005	-	84	145	
SVE-12	7/19/2005	0	78	NM	Water in line
	8/31/2005	-	76	2.5	
	9/29/2005	0	80	90	
SVE-13	7/19/2005	0	88	NM	VOCs not measured
	8/31/2005	0	80	5	
	9/29/2005	0	86	88	
SVE-14	7/19/2005	0	52	NM	VOCs not measured
	8/31/2005	41	50	11	
	9/29/2005	0	54	170	
SVE-15	7/19/2005	90	24	NM	VOCs not measured
	8/31/2005	49	24	4	
	9/29/2005	31	25	160	
SVE-16	7/19/2005	40	30	NM	VOCs not measured
	8/31/2005	49	30	3	
	9/29/2005	40	30	240	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-17	7/19/2005	Water	92	NM	VOCs not measured
	8/31/2005	31	84	3	
	9/29/2005	0	90	245	
SVE-18	7/19/2005	0	91	NM	VOCs not measured
	8/31/2005	0	84	14	
	9/29/2005	0	90	188	
SVE-19	7/19/2005	135	60	NM	Water in riser
	8/31/2005	54	56	5	
	9/29/2005	54	60	160	
SVE-20	7/19/2005	103	70	NM	VOCs not measured
	8/31/2005	38	60	7	
	9/29/2005	40	20	142	
SVE-21	7/19/2005	0	24	NM	VOCs not measured
	8/31/2005	44	26	15	
	9/29/2005	0	40	130	
SVE-22	7/19/2005	34	92	NM	VOCs not measured
	8/31/2005	26	86	4	
	9/29/2005	0	88	78	
SVE-23	7/19/2005	0	30	NM	VOCs not measured
	8/31/2005	42	48	13	
	9/29/2005	36	25	60	
SVE-24	7/19/2005	0	30	NM	VOCs not measured
	8/31/2005	0	26	8	
	9/29/2005	28	24	220	
SVE-25	7/19/2005	0	36	NM	VOCs not measured
	8/31/2005	39	40	10	
	9/29/2005	0	40	170	
SVE-26	7/19/2005	61	40	NM	VOCs not measured
	8/31/2005	39	40	17	
	9/29/2005	39	50	42	
SVE-27	7/19/2005	26	91	NM	VOCs not measured
	8/31/2005	26	86	11	
	9/29/2005	0	90	110	
SVE-28	7/19/2005	46	72	NM	VOCs not measured
	8/31/2005	37	72	20	
	9/29/2005	30	90	135	
SVE-29	7/19/2005	0	22	NM	VOCs not measured
	8/31/2005	0	42	13	
	9/29/2005	49	20	310	
SVE-30	7/19/2005	0	93	NM	VOCs not measured
	8/31/2005	0	85	4	
	9/29/2005	0	92	84	
SVE-31	7/19/2005	82	86	NM	VOCs not measured
	8/31/2005	0	80	27	
	9/29/2005	52	80	420	
SVE-32	7/19/2005	0	30	NM	VOCs not measured
	8/31/2005	40	30	75	
	9/29/2005	49	30	90	
SVE-33	7/19/2005	45	90	NM	VOCs not measured
	8/31/2005	0	85	158	
	9/29/2005	0	90	270	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-34	7/19/2005	0	28	NM	VOCs not measured
	8/31/2005	39	46	6	
	9/29/2005	0	30	60	
SVE-35	7/19/2005	0	16	NM	VOCs not measured
	8/31/2005	49	18	60	
	9/29/2005	34	18	685	
SVE-36	7/19/2005	0	90	NM	VOCs not measured
	8/31/2005	0	82	5	
	9/29/2005	0	90	150	
SVE-37	7/19/2005	57	100	NM	VOCs not measured
	8/31/2005	0	96	34	
	9/29/2005	0	100	130	
SVE-38	7/19/2005	84	70	NM	VOCs not measured
	8/31/2005	80	64	6	
	9/29/2005	85	60	330	
SVE-39	7/19/2005	0	26	NM	VOCs not measured
	8/31/2005	57	24	20	Water
	9/29/2005	40	24	156	
SVE-40	7/19/2005	67	48	NM	VOCs not measured
	8/31/2005	62	35	7	
	9/29/2005	56	38	240	
SVE-41	7/19/2005	0	38	NM	VOCs not measured
	8/31/2005	62	40	11	Water present
	9/29/2005	21	40	580	
SVE-42	7/19/2005	44	97	NM	VOCs not measured
	8/31/2005	0	80	8	
	9/29/2005	0	80	115	

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

Table 3.20
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - Third 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)
7/19/2005	11.5	-	89	11.2	705	97	89	80	88	0	11.2	1085
8/31/2005	11.6	-	82	11.7	0	80	81	72	80	0	11.3	478
9/29/2005	11.6	-	88	11.7	0	86	85	76	86	0	11.4	1074

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 Temp. (°F)	Barometric Pressure (" Hg)	Humidity (%)
7/19/2005	96	-	78	15.2	584	13.0	-	168	6.5	76	29.95	56%
8/31/2005	90	-	78	15.1	562	14.0	-	162	7.0	70	29.72	83%
9/29/2005	94	-	74	15.6	617	24.0	-	74	7.0	51	30.06	59%

Notes:
"-" = data not collected
scfm = standard cubic feet per minute
" H_2O = 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 Data
Third Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-43	7/19/2005	21	46	NM	VOCs not measured
	8/31/2005	0	55	11	Closed
	9/29/2005	29	72	287	
SVE-44	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-45	7/19/2005	0	50	NM	VOCs not measured
	8/31/2005	54	59	7.8	
	9/29/2005	0	75	317	
SVE-46	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-47	7/19/2005	170	54	NM	VOCs not measured
	8/31/2005	75	63	11	
	9/29/2005	20	80	158	
SVE-48	7/19/2005	0	44	NM	VOCs not measured
	8/31/2005	66	62	8	
	9/29/2005	12	86	309	
SVE-49	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-50	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-51	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-52	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-53	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-54	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-55	7/19/2005	25	46	NM	VOCs not measured
	8/31/2005	77	56	7	
	9/29/2005	0	72	546	
SVE-56	7/19/2005	0	46	NM	VOCs not measured
	8/31/2005	66	58	6	
	9/29/2005	17	73	111	
SVE-57	7/19/2005	48	45	NM	VOCs not measured
	8/31/2005	97	88	7	
	9/29/2005	26	90	366	
SVE-58	7/19/2005	53	52	NM	VOCs not measured
	8/31/2005	0	60	16	
	9/29/2005	20	76	126	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-59	7/19/2005	0	49	NM	VOCs not measured
	8/31/2005	0	60	11	
	9/29/2005	0	78	217	
SVE-60	7/19/2005	0	52	NM	VOCs not measured
	8/31/2005	0	59	13	
	9/29/2005	12	76	630	
SVE-61	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Closed
	9/29/2005	-	-	-	
SVE-62	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-63	7/19/2005	12	46	NM	VOCs not measured
	8/31/2005	889	58	4	
	9/29/2005	-	-	-	
SVE-64	7/19/2005	0	47	NM	VOCs not measured
	8/31/2005	886	60	9	
	9/29/2005	-	-	-	
SVE-65	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-66	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Closed
	9/29/2005	-	-	-	
SVE-67	7/19/2005	25	48	NM	VOCs not measured
	8/31/2005	38	62	7	
	9/29/2005	18	34	480	
SVE-68	7/19/2005	0	49	NM	VOCs not measured
	8/31/2005	32	60	7	
	9/29/2005	31	74	346	
SVE-69	7/19/2005	0	11	NM	VOCs not measured
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-70	7/19/2005	0	100	NM	Vacuum act > 100
	8/31/2005	0	100	28	Vacuum act > 100
	9/29/2005	16	86	576	
SVE-71	7/19/2005	0	49	NM	VOCs not measured
	8/31/2005	0	56	22	
	9/29/2005	0	73	297	
SVE-72	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-73	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Valve Shut
	9/29/2005	-	-	-	
SVE-74	7/19/2005	17	53	NM	VOCs not measured
	8/31/2005	0	60	9	
	9/29/2005		82	140	
SVE-75	7/19/2005	21	55	NM	VOCs not measured
	8/31/2005	866	63	8	
	9/29/2005	17	77	653	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-76	7/19/2005	-	51	NM	Pressure valve would not go in
	8/31/2005	17	60	6	
	9/29/2005	17	77	762	
SVE-77	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-78	7/19/2005	12	36.00	NM	VOCs not measured
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-79	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	
SVE-80	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-81	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Closed
	9/29/2005	-	-	-	
SVE-82	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-83	7/19/2005	0	55	NM	VOCs not measured
	8/31/2005	0	62	14	
	9/29/2005	-	-	-	
SVE-84	7/19/2005	-	-	-	
	8/31/2005	-	-	-	
	9/29/2005	-	-	-	
SVE-85	7/19/2005	0	53	NM	VOCs not measured
	8/31/2005	0	58	11	
	9/29/2005	29	78	958	
SVE-86	7/19/2005	50	50	NM	VOCs not measured
	8/31/2005	38	54	14	
	9/29/2005	24	72	276	
SVE-87	7/19/2005	53	74	NM	VOCs not measured
	8/31/2005	105	81	18	
	9/29/2005	16	98	806	
SVE-88	7/19/2005	-	-	-	
	8/31/2005	-	-	-	Out of Service
	9/29/2005	-	-	-	

Notes:
"-" = data not collected

Table 3.22
SBPA In-Situ Vapor Extraction (ISVE) System Header Monitoring Data - Third 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)
7/19/2005	12.8	0	54	12.7	288	55	0	14.7	505	0	NM
8/31/2005	12.2	0	67	12.1	162	68	0	14.6	0	0	NM
9/29/2005	11.8	0	82	11.8	70	82	0	11.2	68	100	NM

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 Temp. (°F)	Barometric Pressure ("Hg)	Humidity (%)
7/19/2005	40	15.3	1259	15.0	-	145	7.0	76	29.95	56%
8/31/2005	40	15.0	1176	10.0	-	150	7.0	70	29.72	83%
9/29/2005	60	15.0	1093	7.0	-	140	7.0	51	30.06	59%

Notes:

"-" = data not collected
cfm = 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
September 2005
American Chemical Service NPL Site
Griffith, Indiana

Upper Aquifer Wells

Well Designation	Reference Points			9/19/2005		Notes	Difference Across Barrier Wall
	East	North	TOIC	level	Elevation		
MW11	6377	7329	640.47	10.03	630.44		n/a
MW13	5050	7814	634.08	5.48	628.60		n/a
MW37	5395	7976	636.78	8.60	628.18		n/a
MW46	4526	7424	633.32	NM	NM		n/a
MW48	5669	7814	636.36	8.08	628.28		n/a
MW49	5551	7650	637.00	8.50	628.50		n/a

Staff Gauges & Piezometers

Well Designation	Reference Points			9/19/2005		Notes	Difference Across Barrier Wall
	East	North	TOSG	level	Elevation		
P23	4689	7018	636.18	8.51	627.67		n/a
P25	5131	7510	635.01	5.58	629.35		n/a
P26	4764	7309	634.23	5.06	629.17		n/a
P27	4904	7020	639.70	12.16	627.54		n/a
P28	5883	7486	644.53	14.54	629.99		n/a
P31	5480	7159	641.03	10.03	631.00		
P32	5746	7026	642.32	12.47	629.85		n/a
P36	5410	6851	645.89	16.26	629.63		
P40	5931	7241	638.77	8.51	630.26		n/a
P41	5663	7377	637.23	7.25	629.98		n/a
P49	5145	6949	638.98	10.55	628.43		n/a
SG8R	5409	5252	634.70	NM	NM		
SG5	5464	7713	633.36			DRY	
SG13	4819	7209	631.53	3.6	629.1	TOSG = 6.0' mark	n/a

PGCS Piezometer Sets

Well Designation	Reference Points			9/19/2005		Notes	Difference Across Barrier Wall
	East	North	TOC	level	Elevation		
P81	5577	7581	636.19	8.12	628.07		n/a
P82	5577	7572	635.77	8.11	627.66		n/a
P83	5577	7561.6	635.95	7.57	628.38		n/a
P84	5322	7603	634.35	7.19	627.16		n/a
P85	5326	7594	634.08	6.85	627.23		n/a
P86	5329	7585	634.41	7.32	627.09		n/a
P87	5121	7466	633.88	6.76	627.12		n/a
P88	5130	7460	633.90	7.02	626.88		n/a
P89	5137	7454	634.02	7.19	626.83		n/a
P90	4881	7152	634.45	6.60	627.85		n/a
P91	4889	7145	634.59	6.93	627.66		n/a
P92	4896	7138.1	633.87	6.25	627.62		n/a

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

BWES Water Level and Piezometer Pairs

Well Designation	Reference Points			9/19/2005		Notes	Difference Across Barrier Wall
	East	North	TOC	level	Elevation		
P93R - Outside BW	TBD	TBD	639.05	12.84	626.21	Installed Nov. 2004	2.93
P94R - Inside BW	TBD	TBD	640.99	11.85	629.14	Installed Nov. 2004	
P95 - Outside BW	5146	6532	638.58	11.30	627.28		-2.56
P96 - Inside BW	5156	6537	641.26	16.54	624.72	TD=17.80 (623.46)	
P105 - Outside BW	5885	6678	638.86	7.83	631.03		-2.58
P106 - Inside BW	5871	6685	638.10	9.65	628.45		
P107 - Outside BW	5766	7339	637.42	7.59	629.83		0.65
P108 - Inside BW	5757	7324	638.13	7.65	630.48		
P109 - Outside BW	5740	6387	644.30	13.11	631.19		-4.09
P110 - Inside BW	5705	6382	647.68	20.58	627.10		
P111 - Outside BW	5551	5950	650.03	19.02	631.01		-5.68
P112 - Inside BW	5525	5960	653.36	28.03	625.33		
P113 - Inside BW	5309	5693	657.53	31.15	626.38		-4.24
ORCPZ102 - Outside BW	5331	5612	652.47	21.85	630.62		
ORCPZ104 - Outside BW	5417	5537	655.96	NM	NM		
P114 - Inside BW	5035	5729	653.69	27.01	626.68		-4.12
P115 - Outside BW	4970	5708	652.50	21.70	630.80		
P116 - Inside BW	5031	6087	646.26	19.68	626.58		-2.75
P117 - Outside BW	5014	6087	643.93	14.60	629.33		
P118 - Inside BW	5402	6539	645.52	19.10	626.42		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
NM = not measured
n/a = not applicable
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.

Table 6.2
Water Levels Inside Barrier Wall - 3rd Quarter 2005
American Chemical Service NPL Site
Griffith, Indiana

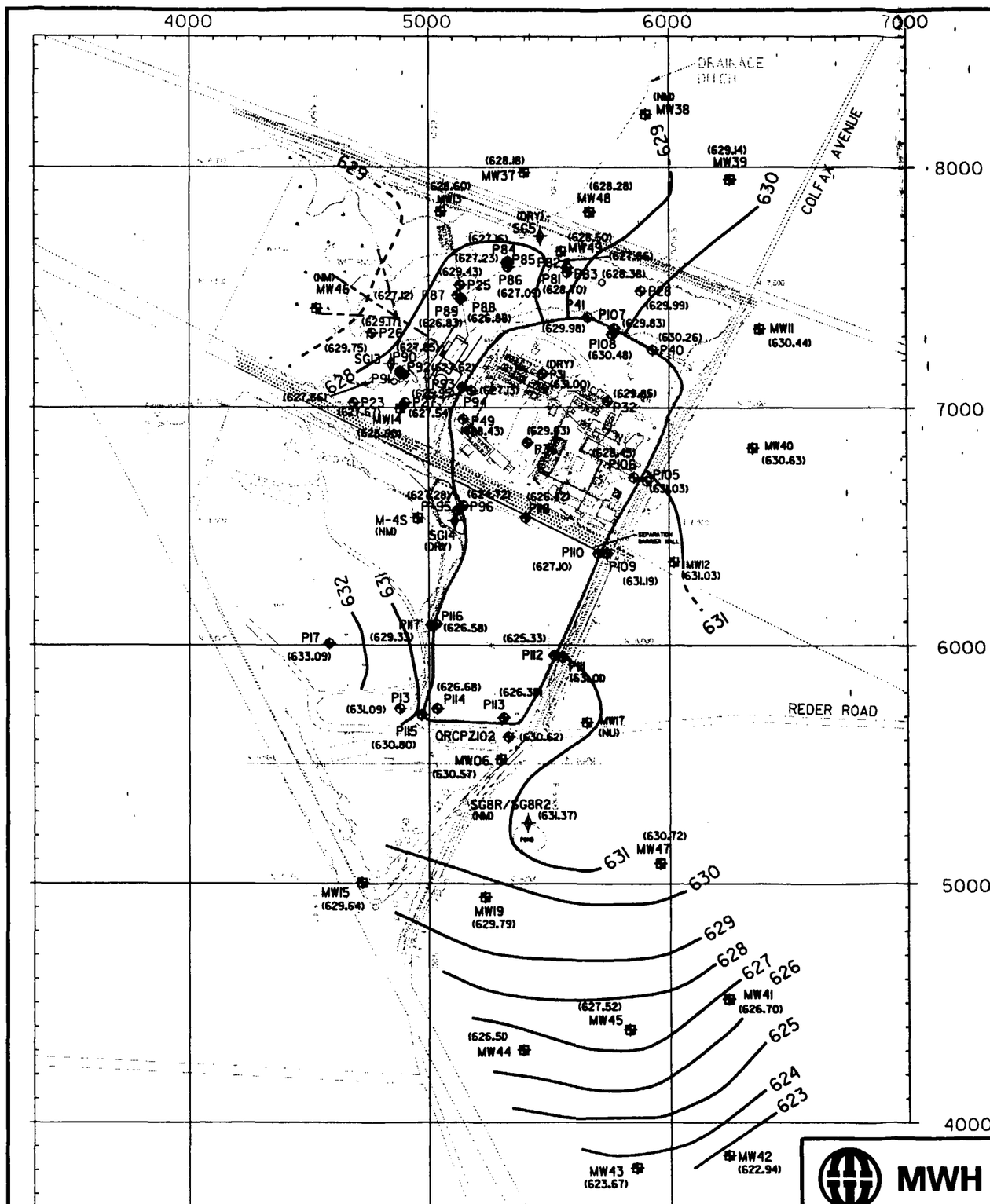
	On-Site Area					
Date	Target Level	P-29	P-31	P-32	P-36	P-49
7/1/2005	629.0	630.4	631.5	631.4	627.7	630.0
7/15/2005	629.0	630.4	631.0	631.1	627.7	629.8
7/29/2005	629.0	630.4	630.9	631.1	627.5	629.8
8/26/2005	629.0	630.4	630.9	631.0	625.9	629.3
9/9/2005	629.0	630.4	630.9	630.3	624.9	628.4
9/23/2005	629.0	630.4	630.9	629.7	624.9	627.7

	Off-Site Area										
Date	Target Level	P-96	P-110	P-112	P-113	P-114	P-116	P-118	AS-7	AS-8	AS-9
7/1/2005	626.0	620.6	627.5	625.2	626.8	627.2	627.3	626.6	NM	NM	NM
7/15/2005	626.0	621.0	627.5	625.5	626.8	627.3	627.2	626.4	NM	NM	NM
7/19/2005	626.0	NM	NM	NM	NM	NM	NM	NM	628.02	620.79	626.34
7/29/2005	626.0	621.8	627.4	625.8	626.4	626.9	626.7	626.3	NM	NM	NM
8/26/2005	626.0	621.3	627.3	625.2	627.0	627.6	627.5	626.4	NM	NM	NM
8/31/2005	626.0	NM	NM	NM	NM	NM	NM	NM	627.79	620.31	626.25
9/9/2005	626.0	621.4	627.1	625.3	627.0	627.5	627.5	626.3	NM	NM	NM
9/23/2005	626.0	621.6	626.9	625.3	626.3	626.7	626.5	626.2	NM	NM	NM

Notes:
All water level elevations are in feet AMSL.

Figures

MWH



LEGEND

- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM
- MW13 — UPPER AQUIFER WELL LOCATION AND DESIGNATION
- P61 — PIEZOMETER LOCATION AND DESIGNATION
- SG5 — STAFF GAUGE LOCATION AND DESIGNATION
- (628.60) — GROUNDWATER ELEVATION
- 631 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
- INDICATES A DEPRESSION
- (NM) — NOT MEASURED
- MW17 (NU) — NOT USED DUE TO PROBABLE DATA RECORDING ERROR

NOTE:

1. P93 AND P94 WERE INSTALLED IN NOVEMBER 2004.
2. GROUNDWATER ELEVATIONS WERE MEASURED ON SEPTEMBER 19, 2005.
3. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

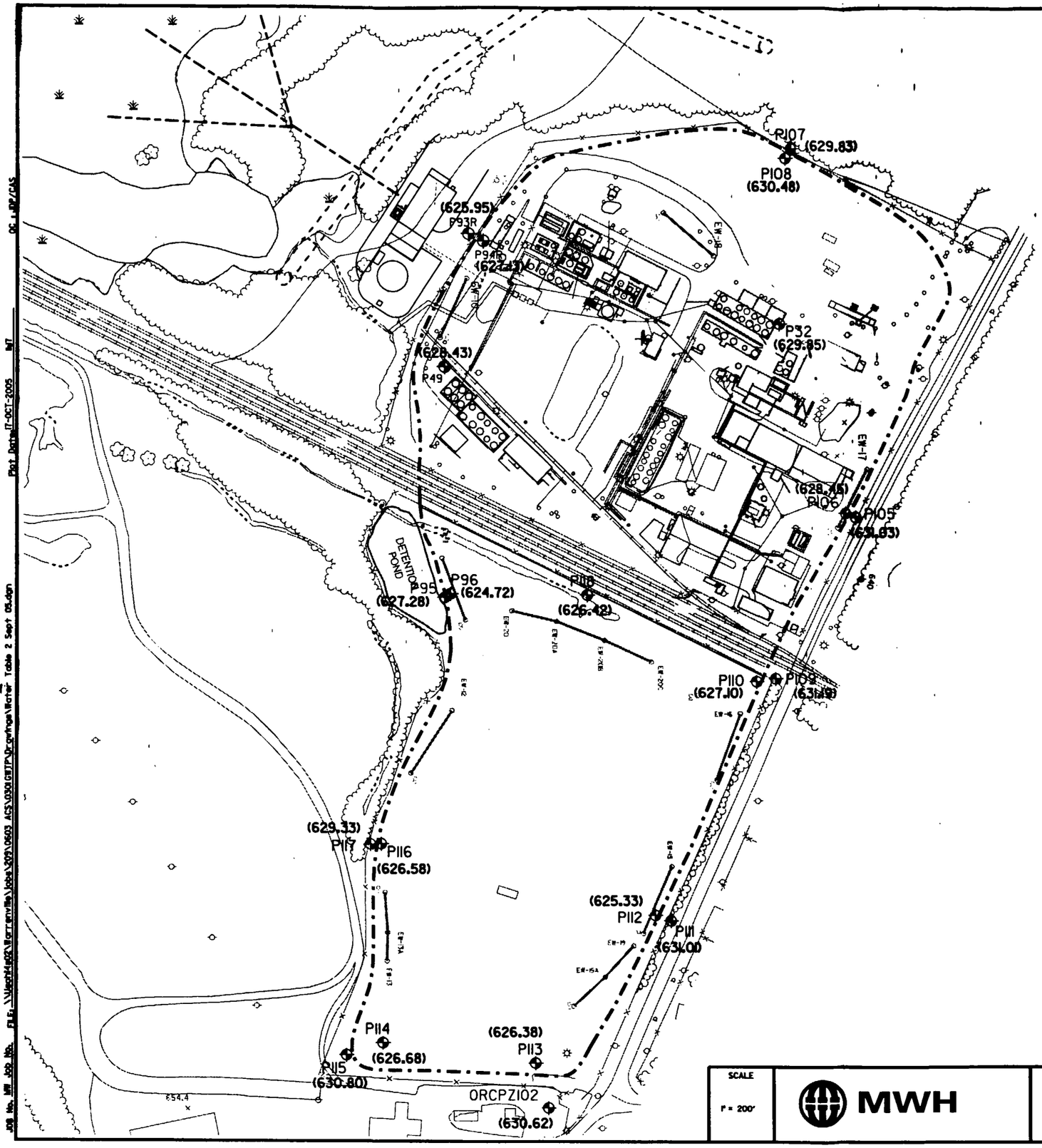
N

0 500 1000

SCALE IN FEET

MWH	SCALE	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	UPPER AQUIFER WATER TABLE CONTOUR MAP SEPTEMBER 2005	FIGURE
	AS SHOWN			6.1

JOB No. MW Job No. FILE: \\Usohl4s02\Warrenville\Jobs\209\0603 ACS\Drawings\SEPT 2005\Figure 6.1.dgn Plot Date: 08-FEB-2006 13:20 DPP/JEF



N

0 200
SCALE IN FEET

LEGEND

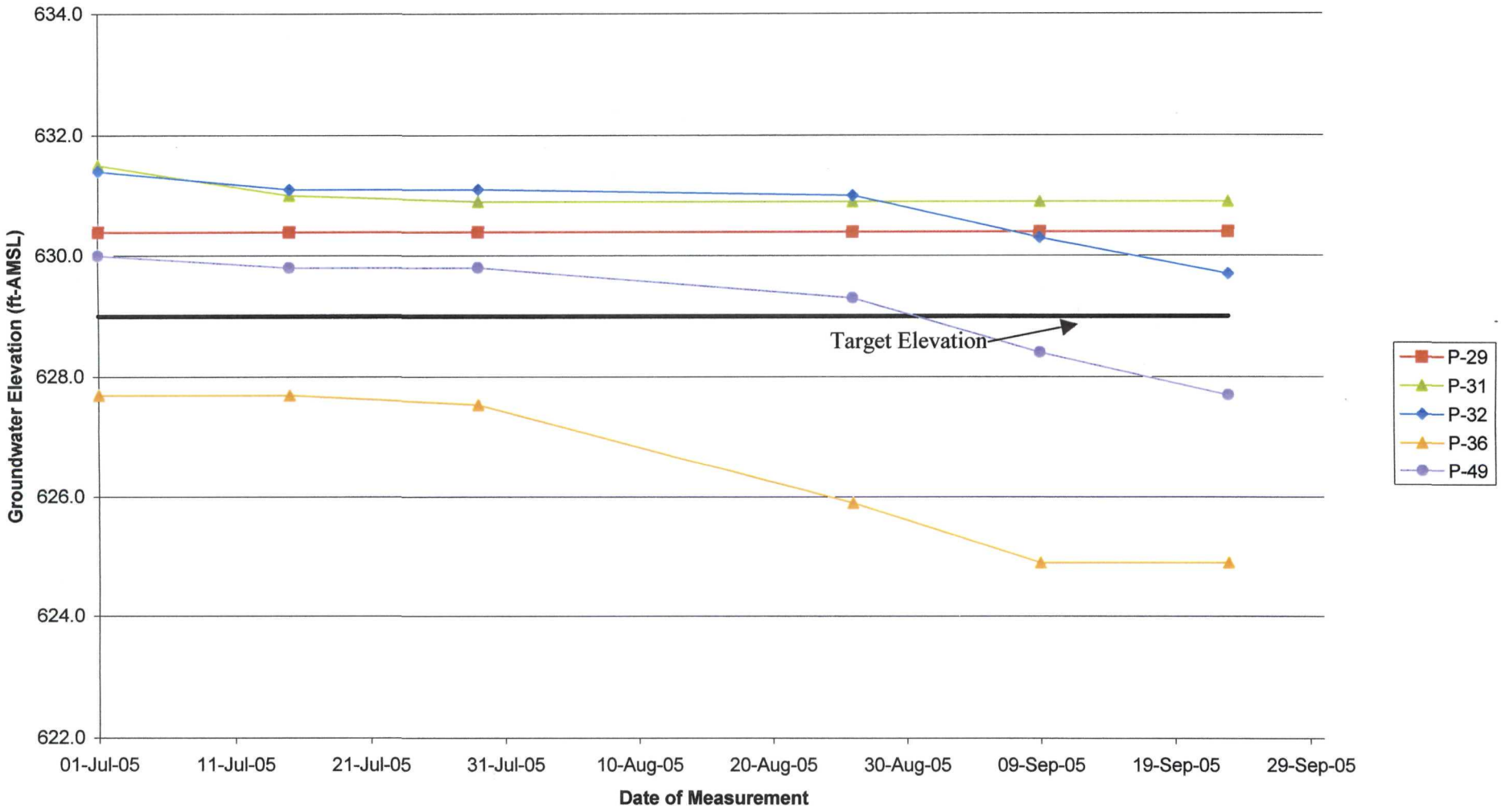
P106	PIEZOMETER LOCATION AND DESIGNATION
ORCPZ7	ORC PIEZOMETER LOCATION AND DESIGNATION
(631.78)	GROUNDWATER ELEVATION
	BARRIER WALL
EW-11	BWES EXTRACTION TRENCH LOCATION AND DESIGNATION
	PERIMETER GROUND WATER CONTAINMENT SYSTEM EXTRACTION TRENCH

NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON SEPTEMBER 19, 2005.

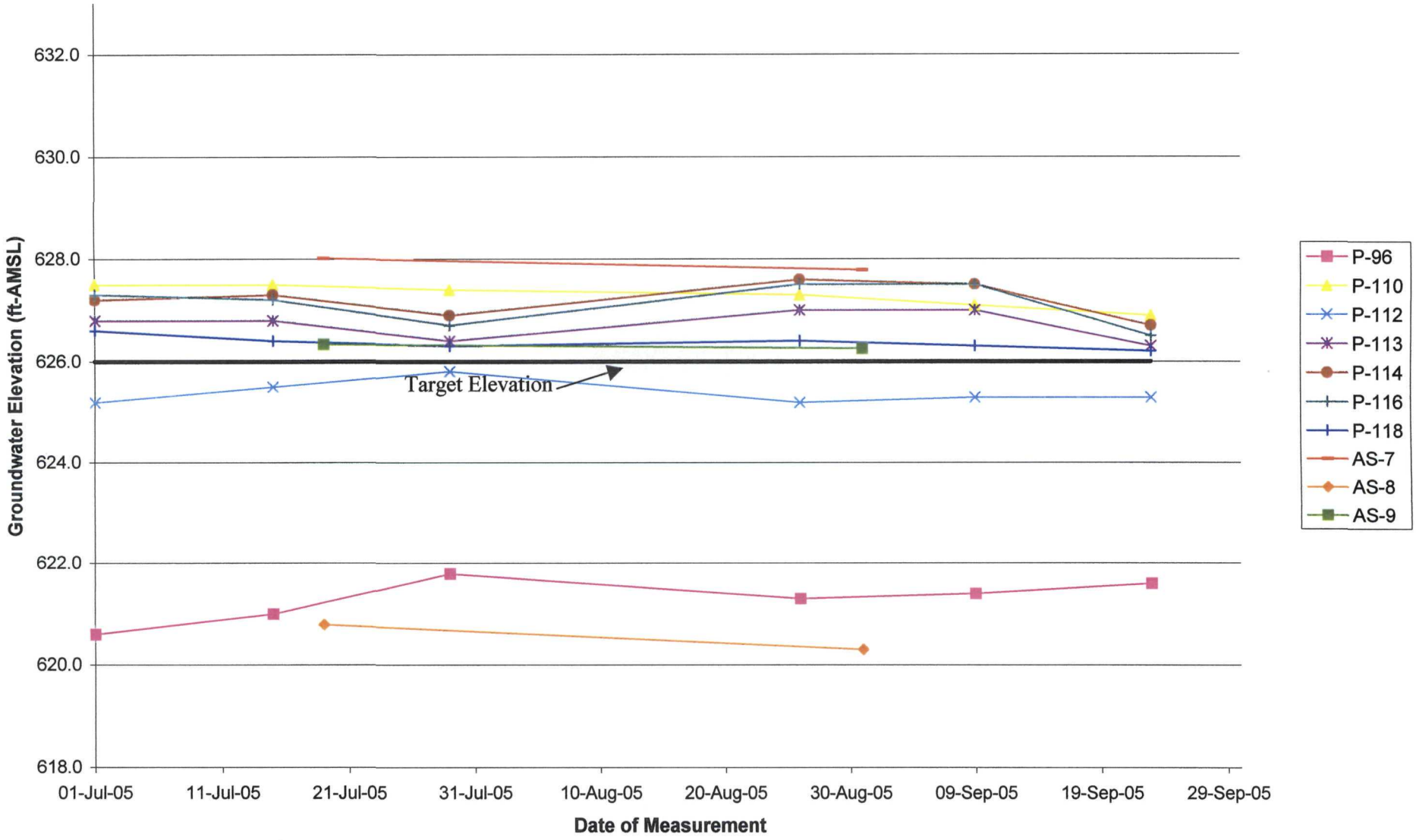
SCALE				FIGURE
1" = 200'	MWH	AMERICAN CHEMICAL SERVICE, INC. GRIFFITH, INDIANA	WATER TABLE ELEVATIONS ACROSS THE BARRIER WALL SEPTEMBER 2005	6.2

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



ALC/cad/JEF
J:\209\0603 ACS\0301 GWTP\6030301a165.xls\SBPA GW Trends

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



ALC/cad/JEF
J:\209\0603 ACS\0301GWTP\6030301a165.xls\Off-Site GW Trends

Appendix A

MWH

APPENDIX A

EFFLUENT ANALYTICAL DATA

July 12, 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.: 7108

Matrix: (soil/water) WATER Lab Sample ID: 710801

Sample wt/vol: 25 (g/ml) ML Lab File ID: 710801RB61

Level: (low/med) LOW Date Received: 07/13/05

% Moisture: not dec. _____ Date Analyzed: 07/17/05

GC Column: ZB-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	0.30	J	J
75-01-4	Vinyl Chloride	0.50	U	
74-83-9	Bromomethane	0.49	J	J
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	
75-09-2	Methylene Chloride	0.50	U	
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

8/10/05

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.: 7108

Matrix: (soil/water) WATER Lab Sample ID: 710801

Sample wt/vol: 25 (g/ml) ML Lab File ID: 710801RB61

Level: (low/med) LOW Date Received: 07/13/05

% Moisture: not dec. _____ Date Analyzed: 07/17/05

GC Column: ZB-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

8/10/05

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.: 7108

Matrix: (soil/water) WATER Lab Sample ID: 710801

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 710801A64

Level: (low/med) LOW Date Received: 07/13/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/18/05

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	6.0	U

8/10/05

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.: 7108

Matrix: (soil/water) WATER Lab Sample ID: 710801

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 710801B66

Level: (low/med) LOW Date Received: 07/13/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/16/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

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

FORM I SV

8/10/05

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.: 7108

Matrix: (soil/water) WATER Lab Sample ID: 710801

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 07/13/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/14/05

Concentrated Extract Volume: 2500(uL) Date Analyzed: 07/14/05

Injection Volume: 1.0(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

8/10/05

SW846-METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 7108

Matrix (soil/water): WATER Lab Sample ID: 710801

Level (low/med): LOW Date Received: 7/13/05

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17.1	B		P
7440-36-0	Antimony	4.8	B		P
7440-38-2	Arsenic	6.3	B		P
7440-39-3	Barium	30.5	B	B	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	148000			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	0.80	U		P
7439-89-6	Iron	28.0	U		P
7439-92-1	Lead	1.7	B		P
7439-95-4	Magnesium	51100			P
7439-97-6	Mercury	0.64	U		CV
7439-96-5	Manganese	9.4	B	UB	P
7440-02-0	Nickel	14.7	B		P
7440-09-7	Potassium	13600			P
7782-49-2	Selenium	4.5	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	353000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	0.80	U		P
7440-66-6	Zinc	1.3	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

8/10/05

CompuChem
a division of Liberty Analytical Corp.

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: 7108
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 710801 Date Collected: 7/12/2005 14:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 7/13/2005 14:12

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	7.17	PH UNITS	0.00	1			7/19/2005	2477		J	
TTL SSPND SOLIDS (TSS) 160.2 W			Analytical Method: EPA 160.2								
TSS	6.00	mg/L	1.00	1			7/19/2005	2477			

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of CompuChem a Division of Liberty Analytical.

8/10/05

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

COMPUCHEM
Attn: DIANE BYRD
501 MADISON AVENUE
CARY, NC 27513-

REPORT DATE: 07/25/05

SAMPLE NUMBER- 228729 SAMPLE ID- ACS EFFLUENT
DATE SAMPLED- 07/12/05
DATE RECEIVED- 07/13/05 SAMPLER- CLIENT
TIME RECEIVED- 1645 DELIVERED BY- C BRAND

SAMPLE MATRIX- GW
TIME SAMPLED- 1400
RECEIVED BY- MNH

Page 1 of 1 PROJECT NAME : ACS

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS		PQL
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1	07/14/05	RWH	<2	mg/L	UJ	2

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

LABORATORY DIRECTOR

8/10/05

August 15, 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.: 7425

Matrix: (soil/water) WATER Lab Sample ID: 742501

Sample wt/vol: 25 (g/ml) ML Lab File ID: 742501A73

Level: (low/med) LOW Date Received: 08/16/05

% Moisture: not dec. _____ Date Analyzed: 08/17/05

GC Column: ZB-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 UJ
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U UJ
75-00-3	Chloroethane	0.50	U UJ
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	0.50	U
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 UJ
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U UJ
56-23-5	Carbon Tetrachloride	0.50	U UJ
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

10/11/05

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.: 7425

Matrix: (soil/water) WATER Lab Sample ID: 742501

Sample wt/vol: 25 (g/ml) ML Lab File ID: 742501A73

Level: (low/med) LOW Date Received: 08/16/05

% Moisture: not dec. _____ Date Analyzed: 08/17/05

GC Column: ZB-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

10/11/05

CompuChem
a division of Liberty Analytical Corp.

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: 7425
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 742501 Date Collected: 8/15/2005 02:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 8/16/2005 10:03

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	7.66	PH UNITS	0.00	1			8/23/2005	2477		J	

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of CompuChem a Division of Liberty Analytical.

10/11/05

September 13, 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.: 7706

Matrix: (soil/water) WATER Lab Sample ID: 770601

Sample wt/vol: 25 (g/ml) ML Lab File ID: 770601B61

Level: (low/med) LOW Date Received: 09/14/05

% Moisture: not dec. _____ Date Analyzed: 09/16/05

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 UJ
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	0.44	J J
156-60-5	trans-1,2-Dichloroethene	0.50	U UJ
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 UJ
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	0.37	JB ~~D~~ .50UBJ
10061-02-6	trans-1,3-Dichloropropene	0.50	U UJ
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

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.: 7706

Matrix: (soil/water) WATER Lab Sample ID: 770601

Sample wt/vol: 25 (g/ml) ML Lab File ID: 770601B61

Level: (low/med) LOW Date Received: 09/14/05

% Moisture: not dec. _____ Date Analyzed: 09/16/05

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 UJ
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 UJ
540-59-0	1,2-Dichloroethene (total)	0.50	U
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

CompuChem
a division of Liberty Analytical Corp.

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: 7706
Project ID: ACS
Solid results are reported on a dry weight basis.

Lab ID:	770601	Date Collected:	9/13/2005 14:00	Matrix:	Water
Sample ID:	EFFLUENT	Date Received:	9/14/2005 10:55		

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	7.55	PH UNITS	0.00	1			9/21/2005	2477		J	

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of CompuChem a Division of Liberty Analytical.

Appendix B

MWH

APPENDIX B

THERMAL OXIDIZER OFF-GAS ANALYTICAL DATA

July 11, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0507229A-01A

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

File Name:	0722010	Date of Collection: 7/7/05
Dil. Factor:	1.00	Date of Analysis: 7/22/05

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	720	350 J	1800	900 J
Bromomethane	720	Not Detected	2800	Not Detected
Chloroethane	720	Not Detected	1900	Not Detected
1,1-Dichloroethene	720	360 J	2800	1400 J
Methylene Chloride	720	42000	2500	150000
1,1-Dichloroethane	720	5600	2900	22000
cis-1,2-Dichloroethene	720	4600	2800	18000
Chloroform	720	4200	3500	21000
1,1,1-Trichloroethane	720	42000	3900	230000
Carbon Tetrachloride	720	Not Detected	4500	Not Detected
Benzene	720	32000	2300	100000
1,2-Dichloroethane	720	1900	2900	7800
Trichloroethene	720	31000	3900	160000
1,2-Dichloropropane	720	480 J	3300	2200 J
cis-1,3-Dichloropropene	720	Not Detected	3300	Not Detected
Toluene	720	160000	2700	590000
trans-1,3-Dichloropropene	720	Not Detected	3300	Not Detected
1,1,2-Trichloroethane	720	Not Detected	3900	Not Detected
Tetrachloroethene	720	42000	4900	280000
Chlorobenzene	720	Not Detected	3300	Not Detected
Ethyl Benzene	720	21000	3100	93000
m,p-Xylene	720	86000	3100	370000
o-Xylene	720	30000	3100	130000
Styrene	720	Not Detected	3100	Not Detected
1,1,2,2-Tetrachloroethane	720	Not Detected	4900	Not Detected
Bromodichloromethane	720	Not Detected	4800	Not Detected
Dibromochloromethane	720	Not Detected	6100	Not Detected
Chloromethane	2900	Not Detected	5900	Not Detected
Acetone	2900	18000	6800	44000
Carbon Disulfide	2900	2200 J	9000	6900 J
trans-1,2-Dichloroethene	2900	Not Detected	11000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2900	15000	8500	44000
4-Methyl-2-pentanone	2900	6500	12000	27000
2-Hexanone	2900	Not Detected	12000	Not Detected
Bromoform	2900	Not Detected	30000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	84	70-130

0006

LH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0507229A-01A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil Factor:	1.25	Date of Analysis: [illegible]

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	112	70-130

0007 [illegible] 8-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0507229A-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	360	1600	910	4200
Bromomethane	360	Not Detected	1400	Not Detected
Chloroethane	360	730	940	1900
1,1-Dichloroethene	360	380	1400	1500
Methylene Chloride	360	10000	1200	36000
1,1-Dichloroethane	360	4600	1400	18000
cis-1,2-Dichloroethene	360	34000	1400	130000
Chloroform	360	12000	1700	60000
1,1,1-Trichloroethane	360	37000	2000	200000
Carbon Tetrachloride	360	Not Detected	2200	Not Detected
Benzene	360	10000	1100	33000
1,2-Dichloroethane	360	670	1400	2700
Trichloroethene	360	30000	1900	160000
1,2-Dichloropropane	360	520	1600	2400
cis-1,3-Dichloropropene	360	Not Detected	1600	Not Detected
Toluene	360	92000	1300	350000
trans-1,3-Dichloropropene	360	Not Detected	1600	Not Detected
1,1,2-Trichloroethane	360	Not Detected	2000	Not Detected
Tetrachloroethene	360	50000	2400	340000
Chlorobenzene	360	Not Detected	1600	Not Detected
Ethyl Benzene	360	18000	1600	77000
m,p-Xylene	360	76000	1600	330000
o-Xylene	360	32000	1600	140000
Styrene	360	Not Detected	1500	Not Detected
1,1,2,2-Tetrachloroethane	360	Not Detected	2400	Not Detected
Bromodichloromethane	360	Not Detected	2400	Not Detected
Dibromochloromethane	360	Not Detected	3000	Not Detected
Chloromethane	1400	Not Detected	3000	Not Detected
Acetone	1400	2400	3400	5800
Carbon Disulfide	1400	1300 J	4400	4100 J
trans-1,2-Dichloroethene	1400	Not Detected	5700	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1400	1200 J	4200	3500 J
4-Methyl-2-pentanone	1400	1100 J	5800	4700 J
2-Hexanone	1400	Not Detected	5800	Not Detected
Bromoform	1400	Not Detected	15000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	87	70-130

VEH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0507229A-02A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

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

0036 LAA 8-8-05

AIR TOXICS LTD.

Client Sample ID: 3 TOX1 INF

Lab ID#: 0507229A-03A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	390	1800	1000	4700
Bromomethane	390	Not Detected	1500	Not Detected
Chloroethane	390	840	1000	2200
1,1-Dichloroethene	390	430	1500	1700
Methylene Chloride	390	12000	1400	41000
1,1-Dichloroethane	390	5300	1600	21000
cis-1,2-Dichloroethene	390	39000	1500	160000
Chloroform	390	14000	1900	68000
1,1,1-Trichloroethane	390	42000	2100	230000
Carbon Tetrachloride	390	Not Detected	2400	Not Detected
Benzene	390	11000	1200	36000
1,2-Dichloroethane	390	720	1600	2900
Trichloroethene	390	35000	2100	190000
1,2-Dichloropropane	390	530	1800	2400
cis-1,3-Dichloropropene	390	Not Detected	1800	Not Detected
Toluene	390	100000	1500	400000
trans-1,3-Dichloropropene	390	Not Detected	1800	Not Detected
1,1,2-Trichloroethane	390	Not Detected	2100	Not Detected
Tetrachloroethene	390	60000	2600	410000
Chlorobenzene	390	Not Detected	1800	Not Detected
Ethyl Benzene	390	22000	1700	94000
m,p-Xylene	390	93000	1700	400000
o-Xylene	390	40000	1700	170000
Styrene	390	Not Detected	1600	Not Detected
1,1,2,2-Tetrachloroethane	390	Not Detected	2700	Not Detected
Bromodichloromethane	390	Not Detected	2600	Not Detected
Dibromochloromethane	390	Not Detected	3300	Not Detected
Chloromethane	1600	Not Detected	3200	Not Detected
Acetone	1600	2600	3700	6200
Carbon Disulfide	1600	1300 J /J	4800	4000 J
trans-1,2-Dichloroethene	1600	Not Detected	6200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1600	1200 J /J	4600	3600 J
4-Methyl-2-pentanone	1600	1300 J /J	6400	5200 J
2-Hexanone	1600	Not Detected	6400	Not Detected
Bromoform	1600	Not Detected	16000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	*%Recovery*	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	86	70-130

0065

URH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 3 TOX1 INF

Lab ID#: 0507229A-03A

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

File Name:	[illegible]	Date of Collection: [illegible]
DF: [illegible]	[illegible]	Date of Analysis: [illegible]

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

0066 LEH 8-9-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX1 INF DUP

Lab ID#: 0507229A-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	380	1600	960	4200
Bromomethane	380	Not Detected	1500	Not Detected
Chloroethane	380	740	990	2000
1,1-Dichloroethene	380	360 J J	1500	1400 J
Methylene Chloride	380	10000	1300	36000
1,1-Dichloroethane	380	4500	1500	18000
cis-1,2-Dichloroethene	380	34000	1500	140000
Chloroform	380	12000	1800	59000
1,1,1-Trichloroethane	380	36000	2000	200000
Carbon Tetrachloride	380	Not Detected	2400	Not Detected
Benzene	380	9600	1200	30000
1,2-Dichloroethane	380	680	1500	2800
Trichloroethene	380	29000	2000	160000
1,2-Dichloropropane	380	440	1700	2000
cis-1,3-Dichloropropene	380	Not Detected	1700	Not Detected
Toluene	380	88000	1400	330000
trans-1,3-Dichloropropene	380	Not Detected	1700	Not Detected
1,1,2-Trichloroethane	380	Not Detected	2000	Not Detected
Tetrachloroethene	380	50000	2600	340000
Chlorobenzene	380	150 J J	1700	710 J
Ethyl Benzene	380	18000	1600	78000
m,p-Xylene	380	78000	1600	340000
o-Xylene	380	33000	1600	140000
Styrene	380	Not Detected	1600	Not Detected
1,1,2,2-Tetrachloroethane	380	Not Detected	2600	Not Detected
Bromodichloromethane	380	Not Detected	2500	Not Detected
Dibromochloromethane	380	Not Detected	3200	Not Detected
Chloromethane	1500	Not Detected	3100	Not Detected
Acetone	1500	3600	3600	8500
Carbon Disulfide	1500	1900	4700	6000
trans-1,2-Dichloroethene	1500	Not Detected	6000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1500	Not Detected	4400	Not Detected
4-Methyl-2-pentanone	1500	1100 J J	6200	4600 J
2-Hexanone	1500	Not Detected	6200	Not Detected
Bromoform	1500	Not Detected	16000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	86	70-130

0095

LEA 8-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX1 INF DUP

Lab ID#: 0507229A-04A

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

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

0096 LRH 6-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX1 EFF

Lab ID#: 0507229A-05A

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

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.2	10	2.9	26
Bromomethane	1.2	Not Detected	4.5	Not Detected
Chloroethane	1.2	4.2	3.0	11
1,1-Dichloroethene	1.2	1.4	4.6	5.5
Methylene Chloride	1.2	36	4.0	120
1,1-Dichloroethane	1.2	18	4.6	73
cis-1,2-Dichloroethene	1.2	180	4.6	700
Chloroform	1.2	44	5.6	210
1,1,1-Trichloroethane	1.2	140	6.3	750
Carbon Tetrachloride	1.2	Not Detected	7.2	Not Detected
Benzene	1.2	50	3.7	160
1,2-Dichloroethane	1.2	2.5	4.6	10
Trichloroethene	1.2	110	6.2	600
1,2-Dichloropropane	1.2	1.7	5.3	8.1
cis-1,3-Dichloropropene	1.2	Not Detected	5.2	Not Detected
Toluene	1.2	390	4.3	1500
trans-1,3-Dichloropropene	1.2	Not Detected	5.2	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Tetrachloroethene	1.2	210	7.8	1400
Chlorobenzene	1.2	0.84 J /J	5.3	3.8 J
Ethyl Benzene	1.2	85	5.0	370
m,p-Xylene	1.2	370	5.0	1600
o-Xylene	1.2	160	5.0	710
Styrene	1.2	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	7.9	Not Detected
Bromodichloromethane	1.2	Not Detected	7.7	Not Detected
Dibromochloromethane	1.2	Not Detected	9.8	Not Detected
Chloromethane	4.6	Not Detected	9.5	Not Detected
Acetone	4.6	13	11	31
Carbon Disulfide	4.6	0.74 J /J	14	2.3 J
trans-1,2-Dichloroethene	4.6	0.65 J /J	18	2.6 J
2-Butanone (Methyl Ethyl Ketone)	4.6	6.6	14	20
4-Methyl-2-pentanone	4.6	5.0	19	20
2-Hexanone	4.6	Not Detected	19	Not Detected
Bromoform	4.6	Not Detected	48	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	87	70-130

0125

LRH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX1 EFF

Lab ID#: 0507229A-05A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dilution:	[illegible]	Date of Analysis: [illegible]

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

0126

LPH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX2 INF

Lab ID#: 0507229A-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	400	480	1000	1200
Bromomethane	400	Not Detected	1500	Not Detected
Chloroethane	400	500	1000	1300
1,1-Dichloroethene	400	230 J /J	1600	900 J
Methylene Chloride	400	32000	1400	110000
1,1-Dichloroethane	400	4200	1600	17000
cis-1,2-Dichloroethene	400	11000	1600	44000
Chloroform	400	3000	1900	15000
1,1,1-Trichloroethane	400	30000	2200	160000
Carbon Tetrachloride	400	Not Detected	2500	Not Detected
Benzene	400	25000	1300	80000
1,2-Dichloroethane	400	1500	1600	5900
Trichloroethene	400	22000	2100	120000
1,2-Dichloropropane	400	340 J /J	1800	1600 J
cis-1,3-Dichloropropene	400	Not Detected	1800	Not Detected
Toluene	400	120000	1500	440000
trans-1,3-Dichloropropene	400	Not Detected	1800	Not Detected
1,1,2-Trichloroethane	400	240 J /J	2200	1300 J
Tetrachloroethene	400	32000	2700	220000
Chlorobenzene	400	Not Detected	1800	Not Detected
Ethyl Benzene	400	16000	1700	72000
m,p-Xylene	400	66000	1700	290000
o-Xylene	400	24000	1700	100000
Styrene	400	Not Detected	1700	Not Detected
1,1,2,2-Tetrachloroethane	400	Not Detected	2700	Not Detected
Bromodichloromethane	400	Not Detected	2700	Not Detected
Dibromochloromethane	400	Not Detected	3400	Not Detected
Chloromethane	1600	Not Detected	3300	Not Detected
Acetone	1600	15000	3800	35000
Carbon Disulfide	1600	1900	5000	5800
trans-1,2-Dichloroethene	1600	Not Detected	6300	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1600	11000	4700	33000
4-Methyl-2-pentanone	1600	4700	6500	19000
2-Hexanone	1600	Not Detected	6500	Not Detected
Bromoform	1600	Not Detected	16000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	86	70-130

LEH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX2 INF

Lab ID#: 0507229A-06A

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

File Name:	[illegible]	[illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

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

0190 LEA 8-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX2 INF DUP

Lab ID#: 0507229A-07A

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

File Name:	[illegible]	[illegible]
Dil. Factor:	[illegible]	[illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	400	530	1000	1400
Bromomethane	400	Not Detected	1600	Not Detected
Chloroethane	400	490	1100	1300
1,1-Dichloroethene	400	220 J /J	1600	860 J
Methylene Chloride	400	29000	1400	100000
1,1-Dichloroethane	400	3900	1600	16000
cis-1,2-Dichloroethene	400	12000	1600	46000
Chloroform	400	2800	2000	14000
1,1,1-Trichloroethane	400	28000	2200	160000
Carbon Tetrachloride	400	Not Detected	2600	Not Detected
Benzene	400	24000	1300	76000
1,2-Dichloroethane	400	1400	1600	5500
Trichloroethene	400	21000	2200	110000
1,2-Dichloropropane	400	280 J /J	1900	1300 J
cis-1,3-Dichloropropene	400	Not Detected	1800	Not Detected
Toluene	400	110000	1500	400000
trans-1,3-Dichloropropene	400	Not Detected	1800	Not Detected
1,1,2-Trichloroethane	400	Not Detected	2200	Not Detected
Tetrachloroethene	400	30000	2800	200000
Chlorobenzene	400	Not Detected	1900	Not Detected
Ethyl Benzene	400	15000	1800	65000
m,p-Xylene	400	61000	1800	260000
o-Xylene	400	22000	1800	94000
Styrene	400	Not Detected	1700	Not Detected
1,1,2,2-Tetrachloroethane	400	Not Detected	2800	Not Detected
Bromodichloromethane	400	Not Detected	2700	Not Detected
Dibromochloromethane	400	Not Detected	3400	Not Detected
Chloromethane	1600	Not Detected	3300	Not Detected
Acetone	1600	14000	3800	34000
Carbon Disulfide	1600	3200	5000	10000
trans-1,2-Dichloroethene	1600	Not Detected	6400	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1600	11000	4800	32000
4-Methyl-2-pentanone	1600	4300	6600	18000
2-Hexanone	1600	Not Detected	6600	Not Detected
Bromoform	1600	Not Detected	17000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	85	70-130

0220

LEH 9-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX2 INF DUP

Lab ID#: 0507229A-07A

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

File Name:	[illegible]	Date of Collection: [illegible]
Air Factor:	[illegible]	Date of Analysis: [illegible]

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

0221 LEA 9-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX2 EFF

Lab ID#: 0507229A-08A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	3.0	64	7.8	160
Bromomethane	3.0	Not Detected	12	Not Detected
Chloroethane	3.0	23	8.0	60
1,1-Dichloroethene	3.0	3.9	12	16
Methylene Chloride	3.0	110	10	380
1,1-Dichloroethane	3.0	40	12	160
cis-1,2-Dichloroethene	3.0	710	12	2800
Chloroform	3.0	16	15	78
1,1,1-Trichloroethane	3.0	160	16	900
Carbon Tetrachloride	3.0	Not Detected	19	Not Detected
Benzene	3.0	220	9.7	720
1,2-Dichloroethane	3.0	5.8	12	23
Trichloroethene	3.0	110	16	610
1,2-Dichloropropane	3.0	3.2	14	15
cis-1,3-Dichloropropene	3.0	Not Detected	14	Not Detected
Toluene	3.0	930	11	3500
trans-1,3-Dichloropropene	3.0	Not Detected	14	Not Detected
1,1,2-Trichloroethane	3.0	Not Detected	16	Not Detected
Tetrachloroethene	3.0	280	21	1900
Chlorobenzene	3.0	1.7 J /J	14	7.8 J
Ethyl Benzene	3.0	140	13	620
m,p-Xylene	3.0	580	13	2500
o-Xylene	3.0	200	13	860
Styrene	3.0	Not Detected	13	Not Detected
1,1,2,2-Tetrachloroethane	3.0	Not Detected	21	Not Detected
Bromodichloromethane	3.0	Not Detected	20	Not Detected
Dibromochloromethane	3.0	Not Detected	26	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Acetone	12	60	29	140
Carbon Disulfide	12	1.2 J /J	38	3.9 J
trans-1,2-Dichloroethene	12	1.7 J /J	48	6.8 J
2-Butanone (Methyl Ethyl Ketone)	12	53	36	160
4-Methyl-2-pentanone	12	18	50	75
2-Hexanone	12	Not Detected	50	Not Detected
Bromoform	12	Not Detected	120	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

0250 [illegible] 8-6-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX2 EFF

Lab ID#: 0507229A-08A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

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

0251

VEH 6-6-05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0507229B-01A

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

File Name:	07-0506	Date of Extraction: N/A
DF Factor:	1.00	Date of Analysis: [illegible]
		Date of Concentration: N/A

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	2.5
1,4-Dichlorobenzene	1.0	7.2
1,2-Dichlorobenzene	1.0	57
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	33
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	2.0
Naphthalene	1.0	61
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	0.55 J /J
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

0006

VRH 9-8-05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0507229B-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	1.0 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.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	26 Q	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	96	50-150
2,4,6-Tribromophenol	87	50-150
Fluorene-d10	83	60-120
Pyrene-d10	86	60-120

0007 UEH 9-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0507229B-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	1.0
1,4-Dichlorobenzene	1.0	2.7
1,2-Dichlorobenzene	1.0	13
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	0.72 J
Naphthalene	1.0	8.9
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.2
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	3.2
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	0.36 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

0024 LRH 9-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0507229B-02A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	5.00	Date of Analysis: [illegible]
		Date of Extraction: [illegible]

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 /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	1.0 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.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	42 Q	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	93	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	85	60-120
Pyrene-d10	87	60-120

9/6/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX1 INF

Lab ID#: 0507229B-03A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]
		Date of Extraction: [illegible]

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	2.5
1,4-Dichlorobenzene	1.0	6.7
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	3.7
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	2.7
Naphthalene	1.0	34
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.2
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	19
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	0.47 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

0043 UEH 8/8/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX1 INF

Lab ID#: 0507229B-03A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]
		Date of Extraction: [illegible]

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	0.45 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	0.86 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	23 Q	50-150
Phenol-d5	82	50-150
Nitrobenzene-d5	101	50-150
2,4,6-Tribromophenol	93	50-150
Fluorene-d10	87	60-120
Pyrene-d10	94	60-120

0044 [illegible] 8-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX1 INF DUP

Lab ID#: 0507229B-04A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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	2.7
1,4-Dichlorobenzene	1.0	7.2
1,2-Dichlorobenzene	1.0	34
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	4.2
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	3.3
Naphthalene	1.0	41
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	23
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	1.0 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

0081

LEH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX1 INF DUP

Lab ID#: 0507229B-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	0.53 J 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	0.54 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.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	26 Q	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	101	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	89	60-120
Pyrene-d10	99	60-120

0082 UCH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX1 EFF

Lab ID#: 0507229B-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	0.19 J J
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	0.28 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

0118

LRH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX1 EFF

Lab ID#: 0507229B-05A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	77	50-150
Phenol-d5	78	50-150
Nitrobenzene-d5	81	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	77	60-120
Pyrene-d10	79	60-120

0119 UBH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX2 INF

Lab ID#: 0507229B-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	1.3
1,4-Dichlorobenzene	1.0	4.1
1,2-Dichlorobenzene	1.0	31
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	17
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	1.0
Naphthalene	1.0	30
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	4.8
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

0129

VEH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX2 INF

Lab ID#: 0507229B-06A

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

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

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	46 Q	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	100	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	88	60-120
Pyrene-d10	91	60-120

0130 LCH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX2 INF DUP

Lab ID#: 0507229B-07A

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

File Name:	0507229	Date of Collection: 7/13/05
Dil. Factor:	1.00	Date of Analysis: 7/20/05
		Date of Extraction: N/A

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	1.2
1,4-Dichlorobenzene	1.0	3.9
1,2-Dichlorobenzene	1.0	29
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	18
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	1.1
Naphthalene	1.0	33
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.4
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	6.5
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	0.27 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

0145 UH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX2 INF DUP

Lab ID#: 0507229B-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	0.23 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	1.1 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	44 Q	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	96	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	87	60-120
Pyrene-d10	92	60-120

0146 LCH 8-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX2 EFF

Lab ID#: 0507229B-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	0.25 J
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

0164

LRH 9-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX2 EFF

Lab ID#: 0507229B-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	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	82	50-150
Nitrobenzene-d5	86	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	79	60-120
Pyrene-d10	85	60-120

Vet 8-8-05

August 12, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0508328A-01A

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

File Name:	0512S19	Date of Collection: 8-5-05
Dil Factor:	1.12	Date of Analysis: 8-12-05

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	560	410 J	1400	1000 J
Bromomethane	560	Not Detected	2200	Not Detected
Chloroethane	560	Not Detected	1500	Not Detected
1,1-Dichloroethene	560	1100	2200	4500
Methylene Chloride	560	41000	1900	140000
1,1-Dichloroethane	560	5400	2200	22000
cis-1,2-Dichloroethene	560	4100	2200	16000
Chloroform	560	3700	2700	18000
1,1,1-Trichloroethane	560	42000	3000	230000
Carbon Tetrachloride	560	Not Detected	3500	Not Detected
Benzene	560	28000	1800	89000
1,2-Dichloroethane	560	1400	2200	5700
Trichloroethene	560	25000	3000	130000
1,2-Dichloropropane	560	380 J	2600	1800 J
cis-1,3-Dichloropropene	560	Not Detected	2500	Not Detected
Toluene	560	140000	2100	550000
trans-1,3-Dichloropropene	560	Not Detected	2500	Not Detected
1,1,2-Trichloroethane	560	240 J	3000	1300 J
Tetrachloroethene	560	32000	3800	220000
Chlorobenzene	560	Not Detected	2600	Not Detected
Ethyl Benzene	560	17000	2400	76000
m,p-Xylene	560	72000	2400	310000
o-Xylene	560	24000	2400	100000
Styrene	560	Not Detected	2400	Not Detected
1,1,2,2-Tetrachloroethane	560	Not Detected	3800	Not Detected
Bromodichloromethane	560	Not Detected	3700	Not Detected
Dibromochloromethane	560	Not Detected	4700	Not Detected
Chloromethane	2200	270 J	4600	560 J
Acetone	2200	19000	5300	44000
Carbon Disulfide	2200	1200 J	6900	3900 J
trans-1,2-Dichloroethene	2200	Not Detected	8800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2200	15000	6500	46000
4-Methyl-2-pentanone	2200	6700	9100	27000
2-Hexanone	2200	Not Detected	9100	Not Detected
Bromoform	2200	Not Detected	23000	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

0006

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0508328A-01A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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

LHP
0007 12-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0508328A-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	460	3400	1200	8600
Bromomethane	460	Not Detected	1800	Not Detected
Chloroethane	460	540	1200	1400
1,1-Dichloroethene	460	3200	1800	13000
Methylene Chloride	460	9600	1600	33000
1,1-Dichloroethane	460	3700	1900	15000
cis-1,2-Dichloroethene	460	44000	1800	180000
Chloroform	460	12000	2300	59000
1,1,1-Trichloroethane	460	31000	2500	170000
Carbon Tetrachloride	460	Not Detected	2900	Not Detected
Benzene	460	11000	1500	36000
1,2-Dichloroethane	460	640	1900	2600
Trichloroethene	460	27000	2500	150000
1,2-Dichloropropane	460	590	2100	2700
cis-1,3-Dichloropropene	460	Not Detected	2100	Not Detected
Toluene	460	110000	1700	400000
trans-1,3-Dichloropropene	460	Not Detected	2100	Not Detected
1,1,2-Trichloroethane	460	Not Detected	2500	Not Detected
Tetrachloroethene	460	55000	3100	370000
Chlorobenzene	460	Not Detected	2100	Not Detected
Ethyl Benzene	460	19000	2000	84000
m,p-Xylene	460	94000	2000	410000
o-Xylene	460	44000	2000	190000
Styrene	460	Not Detected	2000	Not Detected
1,1,2,2-Tetrachloroethane	460	Not Detected	3200	Not Detected
Bromodichloromethane	460	Not Detected	3100	Not Detected
Dibromochloromethane	460	Not Detected	3900	Not Detected
Chloromethane	1800	Not Detected	3800	Not Detected
Acetone	1800	4800	4400	11000
Carbon Disulfide	1800	650 J /J	5800	2000 J
trans-1,2-Dichloroethene	1800	Not Detected	7400	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1800	1900	5500	5700
4-Methyl-2-pentanone	1800	2400	7600	9700
2-Hexanone	1800	Not Detected	7600	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	99	70-130
Toluene-d8	96	70-130

0037

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0508328A-02A

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

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

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0508328A-03A

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

File Name:	[illegible]	Date of Collection: [illegible]
DF Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	560	3600	1400	9100
Bromomethane	560	Not Detected	2200	Not Detected
Chloroethane	560	400 J /J	1500	1100 J
1,1-Dichloroethene	560	1500	2200	5900
Methylene Chloride	560	12000	2000	41000
1,1-Dichloroethane	560	4500	2300	18000
cis-1,2-Dichloroethene	560	48000	2200	190000
Chloroform	560	15000	2800	75000
1,1,1-Trichloroethane	560	39000	3100	210000
Carbon Tetrachloride	560	Not Detected	3600	Not Detected
Benzene	560	12000	1800	39000
1,2-Dichloroethane	560	710	2300	2900
Trichloroethene	560	30000	3000	160000
1,2-Dichloropropane	560	680	2600	3100
cis-1,3-Dichloropropene	560	Not Detected	2600	Not Detected
Toluene	560	110000	2100	420000
trans-1,3-Dichloropropene	560	Not Detected	2600	Not Detected
1,1,2-Trichloroethane	560	Not Detected	3100	Not Detected
Tetrachloroethene	560	54000	3800	370000
Chlorobenzene	560	Not Detected	2600	Not Detected
Ethyl Benzene	560	18000	2400	79000
m,p-Xylene	560	86000	2400	370000
o-Xylene	560	40000	2400	170000
Styrene	560	Not Detected	2400	Not Detected
1,1,2,2-Tetrachloroethane	560	Not Detected	3900	Not Detected
Bromodichloromethane	560	Not Detected	3800	Not Detected
Dibromochloromethane	560	Not Detected	4800	Not Detected
Chloromethane	2300	Not Detected	4700	Not Detected
Acetone	2300	5000	5400	12000
Carbon Disulfide	2300	1500 J /J	7000	4800 J
trans-1,2-Dichloroethene	2300	Not Detected	9000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2300	2200 J /J	6700	6300 J
4-Methyl-2-pentanone	2300	2400	9200	9700
2-Hexanone	2300	Not Detected	9200	Not Detected
Bromoform	2300	Not Detected	23000	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

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0508328A-03A

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

[illegible]

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

0068 LH 12-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0508328A-04A

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

File Name:	[illegible]	Date Collected:	[illegible]
DF:	[illegible]	Date Analyzed:	[illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	410	3200	1000	8100
Bromomethane	410	Not Detected	1600	Not Detected
Chloroethane	410	590	1100	1600
1,1-Dichloroethene	410	2900	1600	11000
Methylene Chloride	410	10000	1400	36000
1,1-Dichloroethane	410	4000	1700	16000
cis-1,2-Dichloroethene	410	44000	1600	180000
Chloroform	410	15000	2000	72000
1,1,1-Trichloroethane	410	35000	2200	190000
Carbon Tetrachloride	410	Not Detected	2600	Not Detected
Benzene	410	12000	1300	37000
1,2-Dichloroethane	410	720	1700	2900
Trichloroethene	410	30000	2200	160000
1,2-Dichloropropane	410	670	1900	3100
cis-1,3-Dichloropropene	410	Not Detected	1900	Not Detected
Toluene	410	110000	1600	400000
trans-1,3-Dichloropropene	410	Not Detected	1900	Not Detected
1,1,2-Trichloroethane	410	Not Detected	2200	Not Detected
Tetrachloroethene	410	56000	2800	380000
Chlorobenzene	410	Not Detected	1900	Not Detected
Ethyl Benzene	410	20000	1800	87000
m,p-Xylene	410	94000	1800	410000
o-Xylene	410	44000	1800	190000
Styrene	410	Not Detected	1800	Not Detected
1,1,2,2-Tetrachloroethane	410	Not Detected	2800	Not Detected
Bromodichloromethane	410	Not Detected	2800	Not Detected
Dibromochloromethane	410	Not Detected	3500	Not Detected
Chloromethane	1600	Not Detected	3400	Not Detected
Acetone	1600	5100	3900	12000
Carbon Disulfide	1600	680 J	5100	2100 J
trans-1,2-Dichloroethene	1600	380 J	6500	1500 J
2-Butanone (Methyl Ethyl Ketone)	1600	2200	4800	6500
4-Methyl-2-pentanone	1600	2400	6700	9800
2-Hexanone	1600	Not Detected	6700	Not Detected
Bromoform	1600	Not Detected	17000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0508328A-04A

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

File Name:	[illegible]	[illegible]
Mil. Flow:	[illegible]	[illegible]

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

0098

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0508328A-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	0.70	37	1.8	96
Bromomethane	0.70	Not Detected	2.7	Not Detected
Chloroethane	0.70	2.5	1.9	6.5
1,1-Dichloroethene	0.70	110	2.8	440
Methylene Chloride	0.70	19	2.4	65
1,1-Dichloroethane	0.70	0.44 J J	2.8	1.8 J
cis-1,2-Dichloroethene	0.70	74	2.8	290
Chloroform	0.70	2.8	3.4	14
1,1,1-Trichloroethane	0.70	2.4	3.8	13
Carbon Tetrachloride	0.70	0.79	4.4	5.0
Benzene	0.70	120	2.2	400
1,2-Dichloroethane	0.70	Not Detected	2.8	Not Detected
Trichloroethene	0.70	83	3.8	450
1,2-Dichloropropane	0.70	Not Detected	3.2	Not Detected
cis-1,3-Dichloropropene	0.70	0.77	3.2	3.5
Toluene	0.70	34	2.6	130
trans-1,3-Dichloropropene	0.70	0.72	3.2	3.3
1,1,2-Trichloroethane	0.70	Not Detected	3.8	Not Detected
Tetrachloroethene	0.70	220	4.8	1500
Chlorobenzene	0.70	7.3	3.2	34
Ethyl Benzene	0.70	7.8	3.1	34
m,p-Xylene	0.70	50	3.1	220
o-Xylene	0.70	20	3.1	88
Styrene	0.70	9.6	3.0	41
1,1,2,2-Tetrachloroethane	0.70	0.26 J /J	4.8	1.8 J
Bromodichloromethane	0.70	Not Detected	4.7	Not Detected
Dibromochloromethane	0.70	Not Detected	6.0	Not Detected
Chloromethane	2.8	23 B	5.8	48 B
Acetone	2.8	35	6.7	83
Carbon Disulfide	2.8	5.4	8.8	17
trans-1,2-Dichloroethene	2.8	49	11	200
2-Butanone (Methyl Ethyl Ketone)	2.8	7.7	8.3	23
4-Methyl-2-pentanone	2.8	0.94 J /J	12	3.8 J
2-Hexanone	2.8	1.0 J /J	12	4.1 J
Bromoform	2.8	0.38 J /J	29	3.9 J

J = Estimated value.
B = Compound present in laboratory blank greater than reporting limit, background subtraction not performed.
Container Type: 6 Liter Summa Canister

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

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0508328A-05A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130

0129 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF Duplicate

Lab ID#: 0508328A-05AA

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.70	37	1.8	95
Bromomethane	0.70	Not Detected	2.7	Not Detected
Chloroethane	0.70	2.6	1.9	6.8
1,1-Dichloroethene	0.70	110	2.8	430
Methylene Chloride	0.70	18	2.4	62
1,1-Dichloroethane	0.70	0.42 J /J	2.8	1.7 J
cis-1,2-Dichloroethene	0.70	71	2.8	280
Chloroform	0.70	2.6	3.4	12
1,1,1-Trichloroethane	0.70	2.4	3.8	13
Carbon Tetrachloride	0.70	0.83	4.4	5.2
Benzene	0.70	130	2.2	400
1,2-Dichloroethane	0.70	Not Detected	2.8	Not Detected
Trichloroethene	0.70	84	3.8	450
1,2-Dichloropropane	0.70	Not Detected	3.2	Not Detected
cis-1,3-Dichloropropene	0.70	0.75	3.2	3.4
Toluene	0.70	34	2.6	130
trans-1,3-Dichloropropene	0.70	0.76	3.2	3.4
1,1,2-Trichloroethane	0.70	Not Detected	3.8	Not Detected
Tetrachloroethene	0.70	220	4.8	1500
Chlorobenzene	0.70	7.2	3.2	33
Ethyl Benzene	0.70	7.8	3.1	34
m,p-Xylene	0.70	50	3.1	220
o-Xylene	0.70	20	3.1	86
Styrene	0.70	9.3	3.0	40
1,1,2,2-Tetrachloroethane	0.70	0.28 J /J	4.8	1.9 J
Bromodichloromethane	0.70	Not Detected	4.7	Not Detected
Dibromochloromethane	0.70	Not Detected	6.0	Not Detected
Chloromethane	2.8	21	5.8	44
Acetone	2.8	35	6.7	83
Carbon Disulfide	2.8	5.3	8.8	16
trans-1,2-Dichloroethene	2.8	48	11	190
2-Butanone (Methyl Ethyl Ketone)	2.8	7.4	8.3	22
4-Methyl-2-pentanone	2.8	0.80 J /J	12	3.3 J
2-Hexanone	2.8	0.98 J /J	12	4.0 J
Bromoform	2.8	0.41 J /J	29	4.2 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

LHP 12-8-15

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF Duplicate

Lab ID#: 0508328A-05AA

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

File Name:	[illegible]	Date of Analysis: [illegible]
Dil. Factor:	1.0	Time of Analysis: [illegible]

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

0168

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0508328A-06A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	410	510	1000	1300
Bromomethane	410	Not Detected	1600	Not Detected
Chloroethane	410	Not Detected	1100	Not Detected
1,1-Dichloroethene	410	1700	1600	6600
Methylene Chloride	410	31000	1400	110000
1,1-Dichloroethane	410	3900	1700	16000
cis-1,2-Dichloroethene	410	6300	1600	25000
Chloroform	410	3300	2000	16000
1,1,1-Trichloroethane	410	31000	2200	170000
Carbon Tetrachloride	410	Not Detected	2600	Not Detected
Benzene	410	23000	1300	73000
1,2-Dichloroethane	410	1300	1700	5200
Trichloroethene	410	24000	2200	130000
1,2-Dichloropropane	410	290 J JJ	1900	1400 J
cis-1,3-Dichloropropene	410	Not Detected	1900	Not Detected
Toluene	410	140000	1600	520000
trans-1,3-Dichloropropene	410	Not Detected	1900	Not Detected
1,1,2-Trichloroethane	410	Not Detected	2200	Not Detected
Tetrachloroethene	410	37000	2800	250000
Chlorobenzene	410	Not Detected	1900	Not Detected
Ethyl Benzene	410	19000	1800	83000
m,p-Xylene	410	88000	1800	380000
o-Xylene	410	29000	1800	120000
Styrene	410	Not Detected	1800	Not Detected
1,1,2,2-Tetrachloroethane	410	Not Detected	2800	Not Detected
Bromodichloromethane	410	Not Detected	2800	Not Detected
Dibromochloromethane	410	Not Detected	3500	Not Detected
Chloromethane	1600	Not Detected	3400	Not Detected
Acetone	1600	16000	3900	39000
Carbon Disulfide	1600	940 J JJ	5100	2900 J
trans-1,2-Dichloroethene	1600	Not Detected	6500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1600	12000	4800	37000
4-Methyl-2-pentanone	1600	5600	6700	23000
2-Hexanone	1600	Not Detected	6700	Not Detected
Bromoform	1600	Not Detected	17000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0508328A-06A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

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

0207 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0508328A-07A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	410	520	1000	1300
Bromomethane	410	Not Detected	1600	Not Detected
Chloroethane	410	Not Detected	1100	Not Detected
1,1-Dichloroethene	410	1900	1600	7600
Methylene Chloride	410	28000	1400	96000
1,1-Dichloroethane	410	3800	1700	15000
cis-1,2-Dichloroethene	410	5100	1600	20000
Chloroform	410	3000	2000	14000
1,1,1-Trichloroethane	410	29000	2200	160000
Carbon Tetrachloride	410	Not Detected	2600	Not Detected
Benzene	410	21000	1300	67000
1,2-Dichloroethane	410	1100	1700	4400
Trichloroethene	410	19000	2200	100000
1,2-Dichloropropane	410	290 J /J	1900	1400 J
cis-1,3-Dichloropropene	410	Not Detected	1900	Not Detected
Toluene	410	110000	1600	410000
trans-1,3-Dichloropropene	410	Not Detected	1900	Not Detected
1,1,2-Trichloroethane	410	160 J /J	2200	900 J
Tetrachloroethene	410	27000	2800	180000
Chlorobenzene	410	Not Detected	1900	Not Detected
Ethyl Benzene	410	14000	1800	62000
m,p-Xylene	410	59000	1800	260000
o-Xylene	410	20000	1800	88000
Styrene	410	Not Detected	1800	Not Detected
1,1,2,2-Tetrachloroethane	410	Not Detected	2800	Not Detected
Bromodichloromethane	410	Not Detected	2800	Not Detected
Dibromochloromethane	410	Not Detected	3500	Not Detected
Chloromethane	1600	Not Detected	3400	Not Detected
Acetone	1600	14000	3900	33000
Carbon Disulfide	1600	1000 J /J	5100	3200 J
trans-1,2-Dichloroethene	1600	Not Detected	6500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1600	10000	4800	31000
4-Methyl-2-pentanone	1600	5000	6700	20000
2-Hexanone	1600	Not Detected	6700	Not Detected
Bromoform	1600	Not Detected	17000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	97	70-130

0235

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0508328A-07A

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

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

0236

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0508328A-08A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.70	6.7	1.8	17
Bromomethane	0.70	Not Detected	2.7	Not Detected
Chloroethane	0.70	1.5	1.9	3.9
1,1-Dichloroethene	0.70	0.82	2.8	3.2
Methylene Chloride	0.70	15	2.4	52
1,1-Dichloroethane	0.70	6.1	2.8	25
cis-1,2-Dichloroethene	0.70	69	2.8	270
Chloroform	0.70	18	3.4	86
1,1,1-Trichloroethane	0.70	46	3.8	250
Carbon Tetrachloride	0.70	Not Detected	4.4	Not Detected
Benzene	0.70	19	2.2	61
1,2-Dichloroethane	0.70	0.96	2.8	3.9
Trichloroethene	0.70	43	3.8	230
1,2-Dichloropropane	0.70	0.84	3.2	3.9
cis-1,3-Dichloropropene	0.70	Not Detected	3.2	Not Detected
Toluene	0.70	170	2.6	640
trans-1,3-Dichloropropene	0.70	Not Detected	3.2	Not Detected
1,1,2-Trichloroethane	0.70	Not Detected	3.8	Not Detected
Tetrachloroethene	0.70	99	4.8	670
Chlorobenzene	0.70	Not Detected	3.2	Not Detected
Ethyl Benzene	0.70	38	3.1	160
m,p-Xylene	0.70	200	3.1	880
o-Xylene	0.70	100	3.1	440
Styrene	0.70	Not Detected	3.0	Not Detected
1,1,2,2-Tetrachloroethane	0.70	Not Detected	4.8	Not Detected
Bromodichloromethane	0.70	Not Detected	4.7	Not Detected
Dibromochloromethane	0.70	Not Detected	6.0	Not Detected
Chloromethane	2.8	1.2 J /J	5.8	2.5 J
Acetone	2.8	20	6.7	48
Carbon Disulfide	2.8	0.47 J /J	8.8	1.5 J
trans-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.8	5.1	8.3	15
4-Methyl-2-pentanone	2.8	3.2	12	13
2-Hexanone	2.8	Not Detected	12	Not Detected
Bromoform	2.8	Not Detected	29	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

LHP

0265 12-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0508328A-08A

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

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

0266

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0508328B-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	2.7
1,4-Dichlorobenzene	1.0	8.5
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	3.3
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	39
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	1.8
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	61
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.8
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	12
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	0.77 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

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0508328B-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	0.39 J /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	0.99 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.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	32 Q	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	96	50-150
2,4,6-Tribromophenol	90	50-150
Fluorene-d10	84	60-120
Pyrene-d10	89	60-120

0007 LAR 12-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0508328B-02A

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

File Name:	[illegible]	Date of Collection: [illegible]
DF: [illegible]	[illegible]	Date of Analysis: [illegible]
		Time of Analysis: [illegible]

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	3.8
1,4-Dichlorobenzene	1.0	9.0
1,2-Dichlorobenzene	1.0	37
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	1.4
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.59 J J
Naphthalene	1.0	28
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.4
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	12
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	0.28 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

0027 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0508328B-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
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
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	33 Q	50-150
Phenol-d5	72	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	79	60-120
Pyrene-d10	83	60-120

0028 UHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 3 TOX1 INF

Lab ID#: 0508328B-03A

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

[illegible]

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	5.6
1,4-Dichlorobenzene	1.0	14
1,2-Dichlorobenzene	1.0	57
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	4.6
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	2.2
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.92 J /J
Naphthalene	1.0	57
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	6.9
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	28
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.18 J /J
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	0.46 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

0047 LHP [illegible]-05

AIR TOXICS LTD.

Client Sample ID: 3 TOX1 INF

Lab ID#: 0508328B-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	0.38 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	0.60 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	32 Q	50-150
Phenol-d5	70	50-150
Nitrobenzene-d5	106	50-150
2,4,6-Tribromophenol	81	50-150
Fluorene-d10	83	60-120
Pyrene-d10	87	60-120

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX1 INF Dup

Lab ID#: 0508328B-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	6.0
1,4-Dichlorobenzene	1.0	15
1,2-Dichlorobenzene	1.0	61
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	4.9
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	2.0
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.0
Naphthalene	1.0	62
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	7.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	31
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	0.21 J /J
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	0.34 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

0068 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 4 TOX1 INF Dup

Lab ID#: 0508328B-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	0.35 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	0.64 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	28 Q	50-150
Phenol-d5	78	50-150
Nitrobenzene-d5	105	50-150
2,4,6-Tribromophenol	78	50-150
Fluorene-d10	82	60-120
Pyrene-d10	88	60-120

0069 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX1 EFF

Lab ID#: 0508328B-05A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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	0.41 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

0089 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 5 TOX1 EFF

Lab ID#: 0508328B-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	0.29 J /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	0.47 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	80	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	89	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	74	60-120
Pyrene-d10	85	60-120

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX2 INF

Lab ID#: 0508328B-06A

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

File Name:	[illegible]	[illegible]
GC Column:	[illegible]	[illegible]

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	0.80 J /J
1,4-Dichlorobenzene	1.0	2.2
1,2-Dichlorobenzene	1.0	16
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	5.3
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	0.26 J /J
Naphthalene	1.0	5.7
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.82 J /J
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.77 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	0.43 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

0100 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 6 TOX2 INF

Lab ID#: 0508328B-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	0.39 J /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	0.70 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	63	50-150
Phenol-d5	89	50-150
Nitrobenzene-d5	97	50-150
2,4,6-Tribromophenol	96	50-150
Fluorene-d10	83	60-120
Pyrene-d10	90	60-120

0101 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX2 INF Dup

Lab ID#: 0508328B-07A

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

[redacted]

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	0.77 J /J
1,4-Dichlorobenzene	1.0	2.4
1,2-Dichlorobenzene	1.0	17
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	0.52 J /J
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.29 J /J
Naphthalene	1.0	6.4
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.0
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.68 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	0.62 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

0119 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 7 TOX2 INF Dup

Lab ID#: 0508328B-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	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

15

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	64	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	90	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	76	60-120
Pyrene-d10	83	60-120

LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX2 EFF

Lab ID#: 0508328B-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
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

0138 LHP 12-8-05

AIR TOXICS LTD.

Client Sample ID: 8 TOX2 EFF

Lab ID#: 0508328B-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	0.32 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: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	87	50-150
Phenol-d5	92	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	86	50-150
Fluorene-d10	78	60-120
Pyrene-d10	89	60-120

0139 UHP 12-8 05

September 15, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

Client Sample ID: 1 OFF Site ISVE

Lab ID#: 0509357B-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	3.2
1,4-Dichlorobenzene	1.0	9.6
1,2-Dichlorobenzene	1.0	75
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	46
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	3.0
Naphthalene	1.0	81
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	7.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	16
Hexachlorocyclopentadiene	20	1.6 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
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	0.40 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

CS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 1 OFF Site ISVE

Lab ID#: 0509357B-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	0.45 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	2.6 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.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	29 Q	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	92	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	80	60-120
Pyrene-d10	83	60-120

CKS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 1 OFF Site ISVE Duplicate

Lab ID#: 0509357B-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	3.2
1,4-Dichlorobenzene	1.0	9.4
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	47
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	2.8
Naphthalene	1.0	81
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	7.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	16
Hexachlorocyclopentadiene	20	1.5 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
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	0.44 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

OCS, 11/15/05

AIR TOXICS LTD.

Client Sample ID: 1 OFF Site ISVE Duplicate

Lab ID#: 0509357B-01AA

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
		[illegible]

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	2.9 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	28 Q	50-150
Phenol-d5	82	50-150
Nitrobenzene-d5	93	50-150
2,4,6-Tribromophenol	90	50-150
Fluorene-d10	80	60-120
Pyrene-d10	84	60-120

OCS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0509357B-02A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected R
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	4.9
1,4-Dichlorobenzene	1.0	13
1,2-Dichlorobenzene	1.0	59
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	5.1
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	1.8
Naphthalene	1.0	47
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	8.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	24
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	0.50 J /R
Fluorene	1.0	Not Detected R
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

ETS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0509357B-02A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
		[illegible]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected R
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	0.43 J R
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 R
Di-n-Octylphthalate	5.0	Not Detected R
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	0.12 Q	50-150
Phenol-d5	106	50-150
Nitrobenzene-d5	94	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	82	60-120
Pyrene-d10	85	60-120

ORS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 Inf

Lab ID#: 0509357B-03A

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

File Name: DF: Factor:	Analyzed: [illegible]	Date of Collection: [illegible] Date of Analysis: [illegible] Date of Extraction: [illegible]

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	5.1
1,4-Dichlorobenzene	1.0	14
1,2-Dichlorobenzene	1.0	60
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	4.2
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	2.0
Naphthalene	1.0	46
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	8.2
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	23
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	0.23 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 11/15/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 Inf

Lab ID#: 0509357B-03A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]
		Date of Extraction: [illegible]

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	0.32 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	0.78 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	23 Q	50-150
Phenol-d5	106	50-150
Nitrobenzene-d5	93	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	84	60-120
Pyrene-d10	87	60-120

CTS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 Inf Dup

Lab ID#: 0509357B-04A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	1.00	Date of Analysis: [illegible]
		Date of Extraction: [illegible]

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	5.2
1,4-Dichlorobenzene	1.0	14
1,2-Dichlorobenzene	1.0	64
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	4.9
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	51
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	9.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	23
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

CKS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 Inf Dup

Lab ID#: 0509357B-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	0.34 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	1.6 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.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	24 Q	50-150
Phenol-d5	102	50-150
Nitrobenzene-d5	91	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	83	60-120
Pyrene-d10	86	60-120

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 Eff

Lab ID#: 0509357B-05A

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

File Name:	[illegible]	[illegible]
Dil. Factor:	1.00	[illegible]

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	0.54 J
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

15

CCS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 Eff

Lab ID#: 0509357B-05A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
		[illegible]

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	1.1 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	79	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	86	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	74	60-120
Pyrene-d10	77	60-120

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 Inf

Lab ID#: 0509357B-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	1.6
1,4-Dichlorobenzene	1.0	4.5
1,2-Dichlorobenzene	1.0	34
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	12
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	0.72 J
Naphthalene	1.0	17
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	2.7
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	0.22 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

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 Inf

Lab ID#: 0509357B-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	0.31 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	0.57 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	35 Q	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	95	50-150
Fluorene-d10	83	60-120
Pyrene-d10	85	60-120

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 Inf Dup

Lab ID#: 0509357B-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	1.7
1,4-Dichlorobenzene	1.0	5.2
1,2-Dichlorobenzene	1.0	39
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	14
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	0.81 J 15
Naphthalene	1.0	21
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	2.9
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	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: 7 TOX 2 Inf Dup

Lab ID#: 0509357B-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	0.28 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	0.78 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	32 Q	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	95	50-150
Fluorene-d10	84	60-120
Pyrene-d10	87	60-120

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 Eff

Lab ID#: 0509357B-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
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

CES
11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 Eff

Lab ID#: 0509357B-08A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
		[illegible]

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	2.4 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	76	50-150
Phenol-d5	86	50-150
Nitrobenzene-d5	84	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	74	60-120
Pyrene-d10	84	60-120

CKS
11/15/05

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0509357B-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#: 0509357B-09A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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	0.28 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	70	50-150
Phenol-d5	73	50-150
Nitrobenzene-d5	73	50-150
2,4,6-Tribromophenol	83	50-150
Fluorene-d10	71	60-120
Pyrene-d10	80	60-120

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0509357B-10A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
		[illegible]

Compound	%Recovery
Phenol	76
bis(2-Chloroethyl) Ether	Not Spiked
2-Chlorophenol	67
1,3-Dichlorobenzene	Not Spiked
1,4-Dichlorobenzene	61
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	70
Naphthalene	Not Spiked
4-Chloroaniline	Not Spiked
Hexachlorobutadiene	Not Spiked
4-Chloro-3-methylphenol	84
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	69
2,4-Dinitrophenol	Not Spiked
4-Nitrophenol	77
2,4-Dinitrotoluene	79
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#: 0509357B-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	78
Phenanthrene	Not Spiked
Anthracene	Not Spiked
di-n-Butylphthalate	Not Spiked
Fluoranthene	Not Spiked
Pyrene	78
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	72	50-150
Phenol-d5	74	50-150
Nitrobenzene-d5	92	50-150
2,4,6-Tribromophenol	89	50-150
Fluorene-d10	78	60-120
Pyrene-d10	81	60-120

AIR TOXICS LTD.

Client Sample ID: 1 OFF Site ISVE

Lab ID#: 0509357A-01A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	670	540 J /5	1700	1400 J
Bromomethane	670	Not Detected	2600	Not Detected
Chloroethane	670	Not Detected	1800	Not Detected
1,1-Dichloroethene	670	2900	2600	11000
Methylene Chloride	670	75000 /5	2300	260000
1,1-Dichloroethane	670	5200	2700	21000
cis-1,2-Dichloroethene	670	5100	2600	20000
Chloroform	670	3700	3300	18000
1,1,1-Trichloroethane	670	38000	3600	210000
Carbon Tetrachloride	670	Not Detected	4200	Not Detected
Benzene	670	30000	2100	94000
1,2-Dichloroethane	670	1600	2700	6700
Trichloroethene	670	26000	3600	140000
1,2-Dichloropropane	670	430 J /5	3100	2000 J
cis-1,3-Dichloropropene	670	Not Detected	3000	Not Detected
Toluene	670	150000	2500	580000
trans-1,3-Dichloropropene	670	Not Detected	3000	Not Detected
1,1,2-Trichloroethane	670	200 J /5	3600	1100 J
Tetrachloroethene	670	33000	4500	220000
Chlorobenzene	670	Not Detected	3100	Not Detected
Ethyl Benzene	670	19000	2900	83000
m,p-Xylene	670	82000	2900	360000
o-Xylene	670	27000	2900	120000
Styrene	670	1800	2800	7600
1,1,2,2-Tetrachloroethane	670	Not Detected	4600	Not Detected
Bromodichloromethane	670	Not Detected	4500	Not Detected
Dibromochloromethane	670	Not Detected	5700	Not Detected
Chloromethane	2700	Not Detected /K	5500	Not Detected
Acetone	2700	26000	6400	61000
Carbon Disulfide	2700	2300 J /5	8300	7000 J
trans-1,2-Dichloroethene	2700	Not Detected	11000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2700	14000	7900	40000
4-Methyl-2-pentanone	2700	9400	11000	38000
2-Hexanone	2700	Not Detected	11000	Not Detected
Bromoform	2700	Not Detected	28000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 1 OFF Site ISVE

Lab ID#: 0509357A-01A

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

File Name:	[illegible]	Date of Collection:	[illegible]
Dil. Factor:	[illegible]	Date of Analysis:	[illegible]

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

CRC
11/15/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0509357A-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	3800	3400	9700
Bromomethane	1300	Not Detected	5200	Not Detected
Chloroethane	1300	Not Detected	3500	Not Detected
1,1-Dichloroethene	1300	3400	5300	14000
Methylene Chloride	1300	29000 J5	4600	99000
1,1-Dichloroethane	1300	5900	5400	24000
cis-1,2-Dichloroethene	1300	130000	5300	500000
Chloroform	1300	12000	6500	58000
1,1,1-Trichloroethane	1300	49000	7300	270000
Carbon Tetrachloride	1300	Not Detected	8400	Not Detected
Benzene	1300	24000	4300	76000
1,2-Dichloroethane	1300	720 J J5	5400	2900 J
Trichloroethene	1300	47000	7200	250000
1,2-Dichloropropane	1300	1000 J J5	6200	4600 J
cis-1,3-Dichloropropene	1300	Not Detected	6100	Not Detected
Toluene	1300	300000	5000	1100000
trans-1,3-Dichloropropene	1300	Not Detected	6100	Not Detected
1,1,2-Trichloroethane	1300	390 J J5	7300	2200 J
Tetrachloroethene	1300	82000	9100	550000
Chlorobenzene	1300	Not Detected	6200	Not Detected
Ethyl Benzene	1300	40000	5800	170000
m,p-Xylene	1300	220000	5800	980000
o-Xylene	1300	94000	5800	410000
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 JR	11000	Not Detected
Acetone	5400	6000	13000	14000
Carbon Disulfide	5400	2400 J J5	17000	7400 J
trans-1,2-Dichloroethene	5400	Not Detected	21000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5400	2800 J J5	16000	8400 J
4-Methyl-2-pentanone	5400	2000 J J5	22000	8100 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	102	70-130
Toluene-d8	98	70-130

OKS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0509357A-02A

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

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

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0509357A-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	1400	3700	3500	9400
Bromomethane	1400	Not Detected	5300	Not Detected
Chloroethane	1400	Not Detected	3600	Not Detected
1,1-Dichloroethene	1400	3300	5400	13000
Methylene Chloride	1400	33000 /5	4700	120000
1,1-Dichloroethane	1400	5400	5500	22000
cis-1,2-Dichloroethene	1400	120000	5400	480000
Chloroform	1400	11000	6600	54000
1,1,1-Trichloroethane	1400	48000	7400	260000
Carbon Tetrachloride	1400	Not Detected	8600	Not Detected
Benzene	1400	22000	4300	72000
1,2-Dichloroethane	1400	690 J /5	5500	2800 J
Trichloroethene	1400	44000	7300	240000
1,2-Dichloropropane	1400	950 J /5	6300	4400 J
cis-1,3-Dichloropropene	1400	Not Detected	6200	Not Detected
Toluene	1400	270000	5100	1000000
trans-1,3-Dichloropropene	1400	Not Detected	6200	Not Detected
1,1,2-Trichloroethane	1400	Not Detected	7400	Not Detected
Tetrachloroethene	1400	75000	9200	510000
Chlorobenzene	1400	Not Detected	6300	Not Detected
Ethyl Benzene	1400	34000	5900	150000
m,p-Xylene	1400	190000	5900	830000
o-Xylene	1400	78000	5900	340000
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 /R	11000	Not Detected
Acetone	5400	5900	13000	14000
Carbon Disulfide	5400	2400 J /5	17000	7600 J
trans-1,2-Dichloroethene	5400	Not Detected	22000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5400	2600 J /5	16000	7500 J
4-Methyl-2-pentanone	5400	1900 J /5	22000	7800 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	104	70-130
Toluene-d8	98	70-130

CKS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0509357A-03A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0509357A-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	3600	8100
Bromomethane	1400	Not Detected	5400	Not Detected
Chloroethane	1400	Not Detected	3700	Not Detected
1,1-Dichloroethene	1400	2500	5500	9900
Methylene Chloride	1400	34000 15	4800	120000
1,1-Dichloroethane	1400	4900	5600	20000
cis-1,2-Dichloroethene	1400	100000	5500	410000
Chloroform	1400	9900	6800	48000
1,1,1-Trichloroethane	1400	41000	7600	220000
Carbon Tetrachloride	1400	Not Detected	8700	Not Detected
Benzene	1400	20000	4400	65000
1,2-Dichloroethane	1400	560 J 15	5600	2200 J
Trichloroethene	1400	40000	7500	210000
1,2-Dichloropropane	1400	910 J 15	6400	4200 J
cis-1,3-Dichloropropene	1400	Not Detected	6300	Not Detected
Toluene	1400	250000	5200	930000
trans-1,3-Dichloropropene	1400	Not Detected	6300	Not Detected
1,1,2-Trichloroethane	1400	Not Detected	7600	Not Detected
Tetrachloroethene	1400	68000	9400	460000
Chlorobenzene	1400	Not Detected	6400	Not Detected
Ethyl Benzene	1400	32000	6000	140000
m,p-Xylene	1400	180000	6000	780000
o-Xylene	1400	74000	6000	320000
Styrene	1400	Not Detected	5900	Not Detected
1,1,2,2-Tetrachloroethane	1400	Not Detected	9500	Not Detected
Bromodichloromethane	1400	Not Detected	9300	Not Detected
Dibromochloromethane	1400	Not Detected	12000	Not Detected
Chloromethane	5600	Not Detected 1R	11000	Not Detected
Acetone	5600	6200	13000	15000
Carbon Disulfide	5600	2500 J 15	17000	7900 J
trans-1,2-Dichloroethene	5600	Not Detected	22000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5600	2600 J 15	16000	7600 J
4-Methyl-2-pentanone	5600	1400 J 15	23000	5800 J
2-Hexanone	5600	Not Detected	23000	Not Detected
Bromoform	5600	Not Detected	57000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

OKS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0509357A-04A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0509357A-05A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	2.7	120	7.0	320
Bromomethane	2.7	3.8	10	15
Chloroethane	2.7	2.4 J /J	7.2	6.4 J
1,1-Dichloroethene	2.7	180	11	700
Methylene Chloride	2.7	53 /J	9.4	180
1,1-Dichloroethane	2.7	6.9	11	28
cis-1,2-Dichloroethene	2.7	360	11	1400
Chloroform	2.7	18	13	86
1,1,1-Trichloroethane	2.7	48	15	260
Carbon Tetrachloride	2.7	Not Detected	17	Not Detected
Benzene	2.7	350	8.7	1100
1,2-Dichloroethane	2.7	1.8 J /J	11	7.4 J
Trichloroethene	2.7	220	15	1200
1,2-Dichloropropane	2.7	2.0 J /J	12	9.2 J
cis-1,3-Dichloropropene	2.7	1.9 J /J	12	8.5 J
Toluene	2.7	930	10	3500
trans-1,3-Dichloropropene	2.7	1.8 J /J	12	8.3 J
1,1,2-Trichloroethane	2.7	0.96 J /J	15	5.2 J
Tetrachloroethene	2.7	540	18	3700
Chlorobenzene	2.7	13	12	58
Ethyl Benzene	2.7	220	12	960
m,p-Xylene	2.7	1300	12	5800
o-Xylene	2.7	630	12	2800
Styrene	2.7	53	12	230
1,1,2,2-Tetrachloroethane	2.7	Not Detected	19	Not Detected
Bromodichloromethane	2.7	Not Detected	18	Not Detected
Dibromochloromethane	2.7	Not Detected	23	Not Detected
Chloromethane	11	100 /J	22	220
Acetone	11	42	26	99
Carbon Disulfide	11	10 J /J	34	32 J
trans-1,2-Dichloroethene	11	110	43	450
2-Butanone (Methyl Ethyl Ketone)	11	12	32	35
4-Methyl-2-pentanone	11	8.7 J /J	44	36 J
2-Hexanone	11	2.0 J /J	44	8.1 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	102	70-130
Toluene-d8	100	70-130

ORS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0509357A-05A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

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

ORS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0509357A-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	680	620 J /5	1700	1600 J
Bromomethane	680	Not Detected	2600	Not Detected
Chloroethane	680	Not Detected	1800	Not Detected
1,1-Dichloroethene	680	2400	2700	9300
Methylene Chloride	680	68000 /5	2400	240000
1,1-Dichloroethane	680	4200	2800	17000
cis-1,2-Dichloroethene	680	8100	2700	32000
Chloroform	680	3200	3300	16000
1,1,1-Trichloroethane	680	31000	3700	170000
Carbon Tetrachloride	680	Not Detected	4300	Not Detected
Benzene	680	24000	2200	78000
1,2-Dichloroethane	680	1200	2800	4800
Trichloroethene	680	22000	3600	120000
1,2-Dichloropropane	680	350 J /5	3100	1600 J
cis-1,3-Dichloropropene	680	Not Detected	3100	Not Detected
Toluene	680	120000	2600	460000
trans-1,3-Dichloropropene	680	Not Detected	3100	Not Detected
1,1,2-Trichloroethane	680	Not Detected	3700	Not Detected
Tetrachloroethene	680	26000	4600	180000
Chlorobenzene	680	Not Detected	3100	Not Detected
Ethyl Benzene	680	14000	3000	62000
m,p-Xylene	680	62000	3000	270000
o-Xylene	680	21000	3000	92000
Styrene	680	1500	2900	6300
1,1,2,2-Tetrachloroethane	680	Not Detected	4700	Not Detected
Bromodichloromethane	680	Not Detected	4600	Not Detected
Dibromochloromethane	680	Not Detected	5800	Not Detected
Chloromethane	2700	Not Detected /R	5600	Not Detected
Acetone	2700	22000	6500	52000
Carbon Disulfide	2700	4600	8500	14000
trans-1,2-Dichloroethene	2700	Not Detected	11000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2700	10000	8000	31000
4-Methyl-2-pentanone	2700	6800	11000	28000
2-Hexanone	2700	Not Detected	11000	Not Detected
Bromoform	2700	Not Detected	28000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0509357A-06A

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

[illegible]	[illegible]	[illegible]

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

CDS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0509357A-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	680	670 J	1700	1700
Bromomethane	680	Not Detected	2600	Not Detected
Chloroethane	680	Not Detected	1800	Not Detected
1,1-Dichloroethene	680	2100	2700	8300
Methylene Chloride	680	67000	2400	230000
1,1-Dichloroethane	680	4000	2800	16000
cis-1,2-Dichloroethene	680	7600	2700	30000
Chloroform	680	3000	3300	15000
1,1,1-Trichloroethane	680	30000	3700	160000
Carbon Tetrachloride	680	Not Detected	4300	Not Detected
Benzene	680	23000	2200	74000
1,2-Dichloroethane	680	1200	2800	4700
Trichloroethene	680	21000	3600	110000
1,2-Dichloropropane	680	310 J	3100	1400 J
cis-1,3-Dichloropropene	680	Not Detected	3100	Not Detected
Toluene	680	120000	2600	450000
trans-1,3-Dichloropropene	680	Not Detected	3100	Not Detected
1,1,2-Trichloroethane	680	210 J	3700	1200 J
Tetrachloroethene	680	27000	4600	180000
Chlorobenzene	680	Not Detected	3100	Not Detected
Ethyl Benzene	680	15000	3000	64000
m,p-Xylene	680	63000	3000	270000
o-Xylene	680	21000	3000	92000
Styrene	680	1400	2900	5800
1,1,2,2-Tetrachloroethane	680	Not Detected	4700	Not Detected
Bromodichloromethane	680	Not Detected	4600	Not Detected
Dibromochloromethane	680	Not Detected	5800	Not Detected
Chloromethane	2700	Not Detected	5600	Not Detected
Acetone	2700	20000	6500	49000
Carbon Disulfide	2700	2800	8500	8600
trans-1,2-Dichloroethene	2700	Not Detected	11000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2700	10000	8000	30000
4-Methyl-2-pentanone	2700	6700	11000	27000
2-Hexanone	2700	Not Detected	11000	Not Detected
Bromoform	2700	Not Detected	28000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	95	70-130

CRS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0509357A-07A

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

File Name:	[illegible]	[illegible]
Dil. Factor:	Pass	Date of Analysis: [illegible]

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

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0509357A-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	0.90	7.2	2.3	18
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	1.5	2.4	4.0
1,1-Dichloroethene	0.90	1.6	3.6	6.2
Methylene Chloride	0.90	8.5 15	3.1	30
1,1-Dichloroethane	0.90	2.8	3.7	11
cis-1,2-Dichloroethene	0.90	61	3.6	240
Chloroform	0.90	4.4	4.4	21
1,1,1-Trichloroethane	0.90	16	4.9	89
Carbon Tetrachloride	0.90	Not Detected	5.7	Not Detected
Benzene	0.90	20	2.9	65
1,2-Dichloroethane	0.90	0.35 J 15	3.7	1.4 J
Trichloroethene	0.90	26	4.9	140
1,2-Dichloropropane	0.90	0.44 J 15	4.2	2.0 J
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
Toluene	0.90	240	3.4	910
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	80	6.1	540
Chlorobenzene	0.90	0.58 J 15	4.2	2.6 J
Ethyl Benzene	0.90	69	3.9	300
m,p-Xylene	0.90	440	3.9	1900
o-Xylene	0.90	220	3.9	940
Styrene	0.90	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.1	Not Detected
Dibromochloromethane	0.90	Not Detected	7.7	Not Detected
Chloromethane	3.6	1.7 J 15	7.5	3.6 J
Acetone	3.6	17	8.6	40
Carbon Disulfide	3.6	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	3.6	Not Detected	14	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.6	3.9	11	12
4-Methyl-2-pentanone	3.6	2.1 J 15	15	8.7 J
2-Hexanone	3.6	0.62 J 15	15	2.6 J
Bromoform	3.6	Not Detected	37	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0509357A-08A

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

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

CMS
11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF Duplicate

Lab ID#: 0509357A-08AA

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.90	7.4	2.3	19
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	1.3	2.4	3.6
1,1-Dichloroethene	0.90	1.6	3.6	6.5
Methylene Chloride	0.90	8.2 15	3.1	29
1,1-Dichloroethane	0.90	2.9	3.7	12
cis-1,2-Dichloroethene	0.90	62	3.6	240
Chloroform	0.90	4.6	4.4	22
1,1,1-Trichloroethane	0.90	16	4.9	89
Carbon Tetrachloride	0.90	Not Detected	5.7	Not Detected
Benzene	0.90	20	2.9	65
1,2-Dichloroethane	0.90	0.29 J 15	3.7	1.2 J
Trichloroethene	0.90	25	4.9	140
1,2-Dichloropropane	0.90	0.50 J 15	4.2	2.3 J
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
Toluene	0.90	240	3.4	900
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	79	6.1	540
Chlorobenzene	0.90	0.59 J 15	4.2	2.7 J
Ethyl Benzene	0.90	68	3.9	300
m,p-Xylene	0.90	430	3.9	1900
o-Xylene	0.90	220	3.9	930
Styrene	0.90	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.1	Not Detected
Dibromochloromethane	0.90	Not Detected	7.7	Not Detected
Chloromethane	3.6	1.5 J 15	7.5	3.2 J
Acetone	3.6	17	8.6	40
Carbon Disulfide	3.6	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	3.6	Not Detected	14	Not Detected
2-Butanone (Methyl Ethyl Kelone)	3.6	4.1	11	12
4-Methyl-2-pentanone	3.6	2.2 J 15	15	8.9 J
2-Hexanone	3.6	Not Detected	15	Not Detected
Bromoform	3.6	Not Detected	37	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CTS 11/15/05

AIR TOXICS LTD.

Client Sample ID: 8 TOX 2 EFF Duplicate

Lab ID#: 0509357A-08AA

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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

CRS
11/15/05

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0509357A-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	0.31 J	1.7	1.1 J
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	1.6 J	4.8	3.8 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	105	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0509357A-09A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0509357A-10A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	[illegible]	Date of Analysis: [illegible]

Compound	%Recovery
Vinyl Chloride	104
Bromomethane	75
Chloroethane	121
1,1-Dichloroethene	105
Methylene Chloride	128
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	109
Chloroform	96
1,1,1-Trichloroethane	90
Carbon Tetrachloride	88
Benzene	97
1,2-Dichloroethane	110
Trichloroethene	92
1,2-Dichloropropane	106
cis-1,3-Dichloropropene	92
Toluene	90
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	94
Tetrachloroethene	95
Chlorobenzene	93
Ethyl Benzene	94
m,p-Xylene	96
o-Xylene	93
Styrene	80
1,1,2,2-Tetrachloroethane	96
Bromodichloromethane	92
Dibromochloromethane	94
Chloromethane	122
Acetone	110
Carbon Disulfide	96
trans-1,2-Dichloroethene	80
2-Butanone (Methyl Ethyl Ketone)	95
4-Methyl-2-pentanone	107
2-Hexanone	115
Bromoform	100

Container Type: NA - Not Applicable

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0509357A-10A

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

File Name:	[illegible]	Date of Analysis: [illegible]
Dil. Factor:	1.00	Time of Analysis: [illegible]

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	102	70-130

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0509357A-11A

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Compound	%Recovery
Vinyl Chloride	108
Bromomethane	82
Chloroethane	116
1,1-Dichloroethene	105
Methylene Chloride	139 Q
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	122
Chloroform	93
1,1,1-Trichloroethane	83
Carbon Tetrachloride	83
Benzene	90
1,2-Dichloroethane	100
Trichloroethene	86
1,2-Dichloropropane	93
cis-1,3-Dichloropropene	91
Toluene	91
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	88
Tetrachloroethene	94
Chlorobenzene	90
Ethyl Benzene	91
m,p-Xylene	95
o-Xylene	90
Styrene	106
1,1,2,2-Tetrachloroethane	92
Bromodichloromethane	96
Dibromochloromethane	105
Chloromethane	127
Acetone	116
Carbon Disulfide	105
trans-1,2-Dichloroethene	102
2-Butanone (Methyl Ethyl Ketone)	97
4-Methyl-2-pentanone	102
2-Hexanone	89
Bromoform	121

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0509357A-11A

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

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

AIR TOXICS LTD.

Client Sample ID: LCSD

Lab ID#: 0509357A-11AA

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

Compound	%Recovery
Vinyl Chloride	110
Bromomethane	83
Chloroethane	120
1,1-Dichloroethene	106
Methylene Chloride	141 Q
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	123
Chloroform	94
1,1,1-Trichloroethane	84
Carbon Tetrachloride	86
Benzene	91
1,2-Dichloroethane	100
Trichloroethene	87
1,2-Dichloropropane	95
cis-1,3-Dichloropropene	93
Toluene	93
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	88
Tetrachloroethene	93
Chlorobenzene	91
Ethyl Benzene	90
m,p-Xylene	94
o-Xylene	91
Styrene	106
1,1,2,2-Tetrachloroethane	92
Bromodichloromethane	98
Dibromochloromethane	106
Chloromethane	132 Q
Acetone	117
Carbon Disulfide	107
trans-1,2-Dichloroethene	103
2-Butanone (Methyl Ethyl Ketone)	99
4-Methyl-2-pentanone	105
2-Hexanone	89
Bromoform	121

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	99	70-130

AIR TOXICS LTD.

Client Sample ID: LCSD

Lab ID#: 0509357A-11AA

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

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

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