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QUARTERLY MONITORING REPORT FOR ACTIVE TREATMENT SYSTEMS FIRST QUARTER 2007

AMERICAN CHEMICAL SERVICE NPL SITE GRIFFITH, INDIANA

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ACRONYMS AND ABBREVIATIONS

AS	Air Sparge
AMSL	Above Mean Sea Level
BOD	Biological Oxygen Demand
BW	Barrier Wall
BWES	Barrier Wall Extraction System
cfm	cubic feet per minute
DL	Detection Limit
DPE	Dual Phase Extraction
GAC	Granular Activated Carbon
Global	Global Technologies
GWTP	Groundwater Treatment Plant
"Hg	Inches of mercury
"H_2O	Inches of water
IDEM	Indiana Department of Environmental Management
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
VOCs	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, an UV oxidation unit for destruction of organic constituents, and an air stripper to remove methylene chloride and other organics. The treatment also included a chemical precipitation and clarification unit to remove metals, a sand filter to remove suspended solids, and activated carbon vessels for final polishing of the treated groundwater before it was released to the west of the Site.

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

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

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

The Off-Site Area ISVE system consists of 42 ISVE wells, 3 air sparge wells, ISVE and air sparge blower systems, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. Protocols and goals for the phased startup of the Off-Site System as defined in the Final Remedy (Montgomery Watson, 1999) were followed. In 2004, an additional blower unit was added to the Off-Site Area ISVE system to more effectively meet the design objectives of the system. The additional blower increased the capacity of the Off-Site ISVE system from 1,000 to 2,000 cubic feet per minute (cfm).

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. During the first 12 months of system operation, the performance of the ISVE system was evaluated. Based on this evaluation, the

SBPA ISVE system was enhanced in accordance with the United States Environmental Protection Agency (U.S. EPA) and Indiana Department of Environmental Management (IDEM) approval by reconfiguring 18 of the ISVE wells to allow injection of air. Air for the injection wells is directed from blower ME-102/103 at the GWTP to the SBPA ISVE blower shed. The air injection system, which consists of three groups of five injection wells, began operation in December 2005. Three air injection wells are not in the regular monthly rotation because injection flow has not yet been established for these wells. MWH is currently working to establish flow at the remaining three locations. The air injection is scheduled to rotate among the three well groups on a monthly basis. Only one well group is operated at a time.

This report summarizes GWTP effluent analytical data and thermal oxidizer off-gas analytical data, ISVE process monitoring data, and water level gauging data collected from January 2007 through March 2007. 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 SAMPLING REQUIREMENTS

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 January 2007 and analyzed for all of the analytes listed above. During February and March 2007, the monthly effluent compliance samples were analyzed for VOCs and pH only.

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

Sampling Frequency Schedule – Groundwater Treatment System

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

*Note: System operation began on March 13, 1997

2.2 EFFLUENT SAMPLING AND ANALYSES

Effluent samples were collected each month during the first quarter of 2007. Samples were collected on the following dates and analyzed for the listed analytes for this reporting period:

January 10, 2007	Full analysis (pH, TSS, BOD, Metals, VOCs, SVOCs, pentachlorophenol, and PCBs)
February 1, 2007	pH and VOCs
March 15, 2007	pH and VOCs

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

Parameter	Analytical Method
VOCs	SW-846 8260B
SVOCs	SW-846 8270C
Pentachlorophenol	SW-846 8270C and SIM
Pesticides/PCBs	EPA 608/SW-846 8081/8082
Metals (Excluding Mercury)	
General Water Quality	SW-846 6010
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 January, February, or March 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 (U.S. EPA, February 1994 and October 1999). 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 first quarter of 2007, 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. VOC removal rates as well as the total VOCs removed are illustrated in Figure 3.1 and Figure 3.2, respectively. Compliance samples were collected from both thermal oxidizer/scrubber units on January 9th, February 15th, and March 15th.

Influent and effluent off-gas samples were collected directly from sampling ports on the influent pipe to the thermal oxidizer and the discharge stack of the scrubber. Duplicate influent samples and one effluent sample were collected. The samples were collected to comply with the PSVP and QAPP and in accordance with laboratory guidelines. For each oxidizer, 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 sorbent tubes 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 and 15 pounds per day for January, February, and March. The highest VOC discharge rate observed during these sampling events was the January 9, 2007 Therm Ox 1 sample, which was measured at 0.190 pounds per hour or 4.56 pounds per day. Both of these rates are below the corresponding discharge limits. Therefore, it can be concluded that the ISVE systems are performing well within discharge limits for air emissions. VOC discharge values for Therm Ox 1, Therm Ox 2, and the SBPA and Off-Site ISVE system are presented in Tables 3.1 through 3.9. The analytical data sheets for the compliance samples are provided in Appendix B.

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

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

The analytical results demonstrate that the thermal oxidizer systems continue to provide sufficient destruction efficiency to limit effluent concentrations to below compliance levels. Vapor concentrations from the ISVE systems appear to be within an expected range with the exception of the sample collected from the SBPA ISVE system in February. This sample result (656 ppm) is significantly lower than both the January and March results (107,870 ppm and 137,604 ppm, respectively). Additionally, the sample also varies from the influent concentration to ThermOx 1. Because the vapors from the SBPA ISVE system are delivered directly to ThermOx 1, these samples would be expected to be very similar to each other. Laboratory narratives do not indicate any anomalies with the analysis of this sample. MWH concludes that an error occurred during sampling.

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 first quarter of 2007 are presented in Tables 3.19 and 3.20. Data that were collected from the SBPA ISVE system during the first quarter of 2007 are presented in Tables 3.21 and 3.22.

3.4 PRODUCT REMOVAL ACTIVITIES

No product removal activities were performed during the first quarter of 2007. MWH is currently evaluating an alternate method for extracting product from the target wells. The current method requires significant health and safety protocols to be followed. An alternate method would decrease the potential for exposure by site personnel.

4.0 GWTP PROCESS MODIFICATIONS AND REPAIRS

4.1 GWTP PROCESS MODIFICATIONS

No modifications were made to the GWTP during the first quarter of 2007.

4.2 GWTP REPAIRS AND MAINTENANCE

The following repair or maintenance activities were conducted at the GWTP during the first quarter of 2007:

- In early February, the temperature of the biotank fell to 47 degrees Fahrenheit. Flow to the tank was adjusted to ensure that the microbial populations were maintained.
- A small leak on the caustic delivery system's manifold was repaired during March 2007. The leak was recognized and controlled quickly. No caustic got outside of the secondary containment and therefore, no damage was caused by the leak.
- MWH performed a routine evaluation of the condition of the extraction pumps in the Off-Site Area and determined that the conditions of the pumps warrant repair or replacement. MWH will perform a routine maintenance event for the system in May 2007.

5.0 ISVE PROCESS MODIFICATIONS AND REPAIRS

5.1 ISVE PROCESS MODIFICATIONS

The following modifications were made to the SBPA ISVE system during the first quarter of 2007:

- Three sets of five air injection wells ran at the ACS site throughout the first quarter 2007. On January 30, 2007, MWH was on site to switch the air injection wells from Group 3 (SVE-44, SVE-59, SVE-77, SVE-80, and SVE-84) to Group 1 (SVE-50, SVE-54, SVE-73, SVE-79, and SVE-81). However, the ISVE System was down so the air injection wells were not changed. Group 3 operated until February 22, 2007 when MWH switched over to Group 1.

- On March 23, 2007, MWH was at the site to switch the air injection wells from Group 1 to Group 2 (SVE-49, SVE-51, SVE-65, SVE-71, and SVE-82).

- MWH will continue to rotate among the three groups of air injection wells on a monthly basis.

No modifications were made to the Off-Site ISVE system during the first quarter of 2007.

In order to improve vapor flow monitoring from the ISVE systems and thermal oxidizers, MWH ordered and installed a FCI ST98 thermal mass flow meter. The flow meter was installed on the influent pipe to Therm Ox 1. MWH evaluated the meter's performance for approximately two weeks to determine if the meter was appropriate for the application. The performance was satisfactory, and therefore, three additional flow meters are being procured, and these will be placed in the system to improve tracking of vapor flow through the entire system.

5.2 ISVE REPAIRS AND MAINTENANCE

The following repairs were made to the ISVE systems during the first quarter of 2007:

- The SBPA ISVE System blower malfunctioned due to motor bearing failure on January 30, 2007. This occurred during a period of extremely cold weather. The blower motor was repaired as soon as possible. However, lacking the heat generated by the blower, the temperature in the blower shed fell and the water in the Knockout Tank froze. The water in the Knockout Tank was thawed and the system returned to service.

- Only one of the two blowers associated with the Off-Site Area ISVE system operated for a period beginning on January 26, 2007. When both blowers were operational the unit would shut down due to high temperature. MWH did not want to shut down the oxidizer to address the issue until the extremely cold weather subsided. Shutting down the oxidizer during the cold weather could potentially have caused additional problems. The problem was traced to the pH probe on the system scrubber. The probe was replaced and the system returned to operation in mid-February.

- In March 2007, MWH performed an extensive maintenance event for the scrubber associated with ThermOx 2. The scrubber manifold system piping was reconfigured, the caustic injection point was relocated, and a new pH probe was installed. The level sensor for the scrubber sump malfunctioned and a replacement sensor was ordered. The system will be restarted upon receipt and installation of this sensor which is expected be sometime in April 2007.

6.0 PGCS AND BWES GAUGING ACTIVITIES

During the operational time frame of the GWTP in the first quarter of 2007, the PGCS groundwater extraction trenches were operated in "auto" mode. 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 the 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, the SBPA DPE wells, and MW-56 during the first quarter of 2007. The pump in MW-10C malfunctioned. Therefore, pumping did not occur at this location during the first quarter of 2007. The pump for MW-10C will be brought back online upon completion of the Lower Aquifer Pumping System later in 2007.

In accordance with the PSVP, a discussion on the effect of the PGCS and BWES on the water table near the Site is presented in each quarterly monitoring report. This section summarizes the groundwater elevations at the Site during January, February, and March 2007. Groundwater elevation measurements were collected throughout the Site on March 16, 2007 as part of the groundwater monitoring program. The groundwater elevations are listed in Table 6.1 and the resulting water table contours outside the barrier wall are shown on Figure 6.1.

The barrier wall was constructed to contain the 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 March 16, 2007. The groundwater elevations are plotted on Figure 6.2. The groundwater elevation measurements inside the barrier wall range from 3.76 to 8.93 feet lower than levels outside the barrier wall. In general, the data demonstrates that the barrier wall is successfully performing the intended function of isolating and protecting the groundwater outside the barrier wall from the source areas of the Site inside the barrier wall. MWH will continue to collect water level measurements quarterly 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 (On-Site Area) began on February 11, 2003 with the addition of the DPE wells. Water levels were measured throughout the quarter at piezometer locations (P29, P31, P32, P36, and P49) in the On-Site Area and at piezometers (P96, P110, P112, P113, P114, P116, P118) and three air sparge (AS) wells (AS-7, AS-8, and AS-9) in the Off-Site Area. These locations are shown on Figure 6.3. The water level trend data from these piezometers and AS wells for the first

quarter of 2007 are depicted graphically on Figures 6.4 and 6.5, which also show the target water elevations for each area. In the SBPA, the target water level is 629 feet amsl. Water levels in two piezometer locations (P-29 and P-31) have been drawn down to below the bottom of the screens in these wells throughout the first quarter of 2007. Therefore, our depth to water measurements at these locations show straight-line measurements of the bottom of the wells. The other three locations had water levels that varied from approximately 624 feet amsl to 632 feet amsl. These average water levels are similar to those of the fourth quarter 2006.

In the Off-Site ISVE area, the target water level is 626 feet amsl. Actual water levels varied from approximately 620.5 feet amsl to 633.5 feet amsl. This represents an increase in the average water levels from the fourth quarter 2006. 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 94 percent of the first quarter of 2007 (based on 2,053 hours of operation out of a total of 2,184 hours). The system drew influent water from the On-Site Area BWES, the Off-Site Area BWES, the PGCS, and MW-56.

The Off-Site Area ISVE system continued to operate as designed for approximately 70 percent of the first quarter of 2007 (based on 1,527 hours of operation out of a total of 2,184 hours). The SBPA ISVE system continued to operate as designed for approximately 75 percent of the first quarter of 2007 (based on 1,640 hours of operation out of a total of 2,184 hours). A majority of the downtime for the ISVE systems was associated with maintenance of the thermal oxidizers.

8.0 CONCLUSIONS AND RECOMMENDATIONS

This section provides a summary of the operational status of the active remedial systems at the ACS NPL site for the subject period. Anticipated activities for the upcoming quarter and recommendations for system modifications are also provided.

8.1 GWTP OPERATION

The GWTP continued to operate normally during the first quarter of 2007. No significant modifications were made to the system during the period. The GWTP continued to treat water from all available sources, except MW-10C. The pump at MW-10C has malfunctioned and will be replaced later in 2007.

The list of sources sending groundwater to the GWTP will be expanded upon the completion of the Lower Aquifer Pumping System. Due to the saturated ground conditions and the winter weather, MWH has suspended the installation of this system. MWH will monitor conditions in the area to determine an appropriate time to complete the installation. As discussed during the April 5, 2007 Site Status Meeting, if conditions do not allow installation before June, MWH will utilize alternate equipment to complete the installation by mid-year.

8.2 ISVE OPERATION

The ISVE systems continued to operate normally during the first quarter of 2007. As shown in Figure 3.1, the VOC removal rates (in pounds per day) were observed to be within range of previous events. The operational times of both the systems were decreased primarily due to maintenance issues associated with the thermal oxidizers. MWH will continue to perform O&M services on these units to ensure adequate operational time for the ISVE systems. No significant changes were made to the operational configuration of the ISVE systems.

MWH has reviewed the equipment used to monitor the rate of VOC extraction by the ISVE system. Various alternate flow meters were evaluated and one, the FCI ST98 thermal mass flow meter, was selected for on-site testing. The flow meter's performance during a two-week period was evaluated and determined to be appropriate for the application. MWH has, therefore, ordered three additional meters to be installed in the second quarter of 2007

8.3 GROUNDWATER LEVEL MONITORING

As indicated in Section 6.0, the groundwater extraction system continues to successfully perform its intended function of isolating and protecting the groundwater outside the barrier wall from the source areas of the Site inside the barrier walls.

Recent groundwater level monitoring results indicate that levels in both the On-Site and Off-Site Areas have risen above previous minimum levels. MWH is evaluating the performance of the extraction trenches and wells to ensure correct operation and will continue to monitor groundwater levels. An evaluation of the condition of the extraction pumps in the Off-Site Area determined that the pumps warrant repair or replacement. MWH will address this issue during the second quarter of 2007.

8.4 HEALTH AND SAFETY

No health and safety incidents were reported during the first quarter of 2007. MWH continues to perform site activities in accordance with the site Health and Safety Plan and all applicable addendums.

Health and Safety statistics for the ACS Site as of March 31, 2007 are:

- 3,598 consecutive days with no lost time due to an accident or Health and Safety incident.
- 1,290 consecutive days without an incident requiring first aid.

9.0 REFERENCES

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

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

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

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

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

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

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

8. *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* U.S. EPA, February 1994.

9. *Contract Laboratory Program National Functional Guidelines for Organic Data Review,* U.S. EPA, October 1999.

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TABLES

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

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

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

Table 2.2
Summary of Effluent Analytical Results - First Quarter 2007
Groundwater Treatment System
American Chemical Service NPL Site
Griffith, Indiana

Event Date	Month 116 1/10/2007	Month 117 2/1/2007	Month 118 3/15/2007	Effluent Limits	Lab Reporting Limits
pH	8.00 /J	7.33 /J	7.37 /J	6-9	none
TSS	1.00 U/UJ	NS	NS	30	1.0
BOD	2.0 U/	NS	NS	30	2
Arsenic	5.3 B/	NS	NS	50	3.4
Beryllium	0.40 B/UB	NS	NS	NE	0.2
Cadmium	0.50 U/	NS	NS	4.1	0.5
Manganese	0.20 U/	NS	NS	NE	0.2
Mercury	0.10 U/	NS	NS	0.02 (w/DL = 0.64)	0.1
Selenium	2.2 U/	NS	NS	8.2	2.2
Thallium	4.3 U/	NS	NS	NE	4.3
Zinc	0.71 B/UB	NS	NS	411	1.2
Benzene	0.50 U/	0.50 U/	0.50 U/	5	0.5
Acetone	2.5 U/UJ	2.5 U/UJ	2.5 U/UJ	6,800	2.5
2-Butanone	2.5 U/	2.5 U/UJ	2.5 U/	210	2.5
Chloromethane	0.50 U/UJ	0.50 U/UJ	0.50 U/	NE	0.5
1,4-Dichlorobenzene	0.50 U/	0.50 U/	0.50 U/	NE	0.5
1,1-Dichloroethane	0.88 /	1.3 /	0.50 U/	NE	0.5
cis-1,2-Dichloroethene	2.4 /	4.2 /	0.39 J/	70	0.5
Ethylbenzene	0.50 U/	0.50 U/	0.50 U/	34	0.5
Methylene chloride	0.52 /	0.54 /	0.50 U/	5	0.5
Tetrachloroethene	0.50 U/	0.50 U/	0.50 U/	5	0.5
Trichloroethene	0.50 U/	0.50 U/	0.50 U/	5	0.5
Vinyl chloride	0.66 /	1.2 /	0.50 U/	2	0.5
4-Methyl-2-pentanone	2.5 U/	2.5 U/	2.5 U/	15	2.5
bis (2-Chloroethyl) ether	ND	NS	NS	9.6	10
bis(2-Ethylhexyl) - phthalate	ND	NS	NS	6	10
4 - Methylphenol	ND	NS	NS	34	20
Isophorone	ND	NS	NS	50	10
Pentachlorophenol	1.3 /	NS	NS	1	1
PCB/Aroclor-1016	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.47
PCB/Aroclor-1221	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.63
PCB/Aroclor-1232	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.47
PCB/Aroclor-1242	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.31
PCB/Aroclor-1248	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.31
PCB/Aroclor-1254	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.31
PCB/Aroclor-1260	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.47

Notes:

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

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) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	12,000		12,000		37		99.69%	99.69%	99.69%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	51	J/J	43	J/J	0.72	J/J	NC	NC	NC
1,1-Dichloroethane	ppbv	1,500		1,300		6		99.54%	99.60%	99.57%
1,1-Dichloroethene	ppbv	360		420		130		63.89%	69.05%	66.47%
1,2-Dichloroethane	ppbv	270		240		1.3	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	210		190		0.63	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	ND	U	ND	U	50		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	3.2	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	1,100		1,200		35		96.82%	97.08%	96.95%
Acetone	ppbv	600		680		32		94.67%	95.29%	94.98%
Benzene	ppbv	2,600		2,400		88		96.33%	96.62%	96.47%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	12		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.86	J/J	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	3.8		NC	NC	NC
Chloroethane	ppbv	310		290		14		95.17%	95.48%	95.33%
Chloroform	ppbv	4,100		3,800		4.3		99.89%	99.90%	99.89%
Chloromethane	ppbv	ND	U	ND	U	7.3		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	10,000		9,900		93		99.06%	99.07%	99.07%
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	6,100		5,600		84		98.50%	98.62%	98.56%
m,p-Xylene	ppbv	25,000		22,000		400		98.18%	98.40%	98.29%
Methylene Chloride	ppbv	4,100		3,800		35		99.08%	99.15%	99.11%
o-Xylene	ppbv	11,000		10,000		170		98.30%	98.45%	98.38%
Styrene	ppbv	ND	U	ND	U	12		NC	NC	NC
Tetrachloroethene	ppbv	19,000		18,000		280		98.44%	98.53%	98.49%
Toluene	ppbv	28,000		25,000		350		98.60%	98.75%	98.68%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	20		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	12,000		11,000		110		99.00%	99.08%	99.04%
Vinyl Chloride	ppbv	990		970		60		93.81%	93.94%	93.88%
Total	**ppbv**	**139,291**		**128,833**		**2,040.11**		**98.42%**	**98.54%**	**98.48%**
Total	**lb/hr**	**2.390**		**2.217**		**0.033**		**98.51%**	**98.62%**	**98.56%**

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

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.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Influent Temp (°F)	Effluent Temp (°F)	Flow (scfm)
SBPA	01/09/07	98	149	953

Table 3.2
Thermal Oxidizer 1 Results for Method TO-14 (VOCs) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	210		190		9.1		95.21%	95.67%	95.44%
1,1,2,2-Tetrachloroethane	ppbv	16	J/J	18	J/J	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	360		360		2		99.44%	99.44%	99.44%
1,1-Dichloroethene	ppbv	12	J/J	14	J/J	2.1		NC	NC	NC
1,2-Dichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichloropropane	ppbv	21	J/J	21	J/J	0.22	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	200		140		16		88.57%	92.00%	90.29%
2-Hexanone	ppbv	ND	U	ND	U	0.8	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	42	J/J	26	J/J	4.9		NC	NC	NC
Acetone	ppbv	300		60	J/J	48		NC	NC	NC
Benzene	ppbv	5,800		5,800		26		99.55%	99.55%	99.55%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	1.7	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.17	J/J	NC	NC	NC
Chlorobenzene	ppbv	17	J/J	18	J/J	0.35	J/J	NC	NC	NC
Chloroethane	ppbv	820		860		3.8		99.54%	99.56%	99.55%
Chloroform	ppbv	18	J/J	16	J/J	2.2		NC	NC	NC
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	7,900		7,800		68		99.13%	99.14%	99.13%
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	680		670		15		97.76%	97.79%	97.78%
m,p-Xylene	ppbv	2,800		2,800		68		97.57%	97.57%	97.57%
Methylene Chloride	ppbv	47		33		3		90.91%	93.62%	92.26%
o-Xylene	ppbv	1,400		1,300		25		98.08%	98.21%	98.15%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	42		32		11		65.63%	73.81%	69.72%
Toluene	ppbv	4,800		4,700		73		98.45%	98.48%	98.46%
trans-1,2-Dichloroethene	ppbv	24	J/J	25	J/J	2	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	47		39		7.8		80.00%	83.40%	81.70%
Vinyl Chloride	ppbv	950		1,100		28		97.05%	97.45%	97.25%
Total	**ppbv**	**26,506**		**26,022**		**418.14**		**98.39%**	**98.42%**	**98.41%**
Total	**lb/hr**	**0.449**		**0.441**		**0.007**		**98.41%**	**98.44%**	**98.43%**

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

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.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Influent Temp (°F)	Effluent Temp (°F)	Flow (scfm)
SBPA	02/15/07	56	140	1,150

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.3
Thermal Oxidizer 1 Results for Method TO-14 (VOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	17,000		17,000		2.971		99.98%	99.98%	99.98%
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	2,200		2,100		3.2		99.85%	99.85%	99.85%
1,1-Dichloroethene	ppbv	160		140		140		12.50%	0.00%	6.25%
1,2-Dichloroethane	ppbv	450		450		0.63	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	200		210		0.53	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	570		480	J/J	10		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	810		700		3.8		99.46%	99.53%	99.49%
Acetone	ppbv	870		460	J/J	46		NC	NC	NC
Benzene	ppbv	2,800		2,700		34		98.74%	98.79%	98.76%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	110	J/J	4.3		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	1		NC	NC	NC
Chlorobenzene	ppbv	61	J/J	49	J/J	2		NC	NC	NC
Chloroethane	ppbv	390		470		3.4		99.13%	99.28%	99.20%
Chloroform	ppbv	4,300		4,200		5.8		99.86%	99.87%	99.86%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	14,000		14,000		51		99.64%	99.64%	99.64%
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	4,900		5,400		26		99.47%	99.52%	99.49%
m,p-Xylene	ppbv	19,000		21,000		110		99.42%	99.48%	99.45%
Methylene Chloride	ppbv	4,800		4,900		39		99.19%	99.20%	99.20%
o-Xylene	ppbv	8,700		9,400		54		99.38%	99.43%	99.40%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	20,000		22,000		190		99.05%	99.14%	99.09%
Toluene	ppbv	28,000		27,000		93		99.66%	99.67%	99.66%
trans-1,2-Dichloroethene	ppbv	160	J/J	140	J/J	12		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	12,000		12,000		68		99.43%	99.43%	99.43%
Vinyl Chloride	ppbv	1,800		1,900		29		98.39%	98.47%	98.43%
Total	**ppbv**	**143,171**		**146,809**		**930**		**99.35%**	**99.37%**	**99.36%**
Total	**lb/hr**	**2.971**		**3.068**		**0.019**		**99.36%**	**99.38%**	**99.37%**

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

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.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Influent Temp (°F)	Effluent Temp (°F)	Flow (scfm)
SBPA	03/15/07	90	144	1,509

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.4
Thermal Oxidizer 2 Results for Method TO-14 (VOCs) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	14,000		19,000		600		95.71%	96.84%	96.28%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	77	J/J	120	J/J	3	J/J	NC	NC	NC
1,1-Dichloroethane	ppbv	1,700		2,200		72		95.76%	96.73%	96.25%
1,1-Dichloroethene	ppbv	610		490		110		77.55%	81.97%	79.76%
1,2-Dichloroethane	ppbv	450		600		18		96.00%	97.00%	96.50%
1,2-Dichloropropane	ppbv	490		490		4.8	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	12,000		12,000		350		97.08%	97.08%	97.08%
2-Hexanone	ppbv	200	J/J	250	J/J	7.3	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	6,300		7,700		110		98.25%	98.57%	98.41%
Acetone	ppbv	16,000		15,000		660		95.60%	95.88%	95.74%
Benzene	ppbv	7,700		9,900		470		93.90%	95.25%	94.57%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	88		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	2.4	J/J	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	13		NC	NC	NC
Chloroform	ppbv	1,200		1,400		51		95.75%	96.36%	96.05%
Chloromethane	ppbv	ND	U	ND	U	14	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	940		1,200		78		91.70%	93.50%	92.60%
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	6,600		8,700		170		97.42%	98.05%	97.74%
m,p-Xylene	ppbv	25,000		34,000		620		97.52%	98.18%	97.85%
Methylene Chloride	ppbv	15,000		18,000		620		95.87%	96.56%	96.21%
o-Xylene	ppbv	9,000		12,000		230		97.44%	98.08%	97.76%
Styrene	ppbv	ND	U	ND	U	69		NC	NC	NC
Tetrachloroethene	ppbv	10,000		13,000		520		94.80%	96.00%	95.40%
Toluene	ppbv	51,000		69,000		1800		96.47%	97.39%	96.93%
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	8,000		11,000		370		95.38%	96.64%	96.01%
Vinyl Chloride	ppbv	ND	U	ND	U	29		NC	NC	NC
Total	**ppbv**	**186,267**		**236,050**		**7,079.5**		**96.20%**	**97.00%**	**96.60%**
Total	**lb/hr**	**4.989**		**6.430**		**0.190**		**96.18%**	**97.04%**	**96.61%**

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

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.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Influent Temp (°F)	Effluent Temp (°F)	Flow (scfm)
Off-Site	01/09/07	62	140	1707

Table 3.5
Thermal Oxidizer 2 Results for Method TO-14 (VOCs) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	20,000		20,000		440		97.80%	97.80%	97.80%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	2	J/J	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	2,800		2,800		72		97.43%	97.43%	97.43%
1,1-Dichloroethene	ppbv	180		190	J/J	330		NC	NC	NC
1,2-Dichloroethane	ppbv	590		600		19		96.78%	96.83%	96.81%
1,2-Dichloropropane	ppbv	150	J/J	160	J/J	4.2	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	9,600		9,900		390		95.94%	96.06%	96.00%
2-Hexanone	ppbv	110	J/J	98	J/J	5.1	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	4,000		4,000		110		97.25%	97.25%	97.25%
Acetone	ppbv	12,000		12,000		630		94.75%	94.75%	94.75%
Benzene	ppbv	9,200		9,000		560		93.78%	93.91%	93.85%
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	230	J/J	290	J/J	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	3.1	J/J	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	10		NC	NC	NC
Chloroform	ppbv	1,500		1,400		42		97.00%	97.20%	97.10%
Chloromethane	ppbv	ND	U	ND	U	18	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	1,200		1,200		220		81.67%	81.67%	81.67%
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	3,800		3,800		160		95.79%	95.79%	95.79%
m,p-Xylene	ppbv	14,000		14,000		550		96.07%	96.07%	96.07%
Methylene Chloride	ppbv	24,000		26,000		750		96.88%	97.12%	97.00%
o-Xylene	ppbv	5,000		4,900		230		95.31%	95.40%	95.35%
Styrene	ppbv	ND	U	ND	U	100		NC	NC	NC
Tetrachloroethene	ppbv	8,000		7,800		500		93.59%	93.75%	93.67%
Toluene	ppbv	54,000		55,000		1,900		96.48%	96.55%	96.51%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	7.5	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	10,000		9,800		390		96.02%	96.10%	96.06%
Vinyl Chloride	ppbv	150	J/J	140	J/J	91		NC	NC	NC
Total	**ppbv**	**180,510**		**183,078**		**7,533.9**		**95.83%**	**95.88%**	**95.86%**
Total	**lb/hr**	**4.581**		**4.629**		**0.188**		**95.89%**	**95.93%**	**95.91%**

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

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.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Influent Temp (°F)	Effluent Temp (°F)	Flow (scfm)
Off-Site	02/15/07	50	150	1,582

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.6
Thermal Oxidizer 2 Results for Method TO-14 (VOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	23,000		22,000		370		98.32%	98.39%	98.35%
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	3,700		3,500		61		98.26%	98.35%	98.30%
1,1-Dichloroethene	ppbv	160	J/J	160	J/J	150		NC	NC	NC
1,2-Dichloroethane	ppbv	650		670		13		98.00%	98.06%	98.03%
1,2-Dichloropropane	ppbv	210	J/J	210	J/J	4.5	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	15,000		18,000		210		98.60%	98.83%	98.72%
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	7,200		7,900		70		99.03%	99.11%	99.07%
Acetone	ppbv	21,000		29,000		500		97.62%	98.28%	97.95%
Benzene	ppbv	12,000		12,000		370		96.92%	96.92%	96.92%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	2.2	J/J	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	2.4	J/J	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroform	ppbv	1,700		1,600		36		97.75%	97.88%	97.82%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	1,400		1,200		34		97.17%	97.57%	97.37%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	10,000		10,000		130		98.70%	98.70%	98.70%
m,p-Xylene	ppbv	41,000		41,000		460		98.88%	98.88%	98.88%
Methylene Chloride	ppbv	32,000		30,000		620		97.93%	98.06%	98.00%
o-Xylene	ppbv	15,000		16,000		170		98.87%	98.94%	98.90%
Styrene	ppbv	ND	U	ND	U	42		NC	NC	NC
Tetrachloroethene	ppbv	15,000		16,000		410		97.27%	97.44%	97.35%
Toluene	ppbv	98,000		99,000		1500		98.47%	98.48%	98.48%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	14,000		14,000		310		97.79%	97.79%	97.79%
Vinyl Chloride	ppbv	260		190	J/J	33		NC	NC	NC
Total	**ppbv**	**311,280**		**322,430**		**5,498.1**		**98.23%**	**98.29%**	**98.26%**
Total	**lb/hr**	**7.383**		**7.564**		**0.130**		**98.24%**	**98.28%**	**98.26%**

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

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.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Influent Temp (°F)	Effluent Temp (°F)	Flow (scfm)
Off-Site	03/15/07	60	NA	1,150

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.7
SBPA and Off-Site ISVE System Results
for Method TO-14 (VOCs) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	10,000		21,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	50	J/J	120	J/J
1,1-Dichloroethane	ppbv	1,200		2,500	
1,1-Dichloroethene	ppbv	280		480	
1,2-Dichloroethane	ppbv	200		660	
1,2-Dichloropropane	ppbv	170		320	
2-Butanone (Methyl Ethyl Ketone)	ppbv	ND	U	14,000	
2-Hexanone	ppbv	ND	U	320	J/J
4-Methyl-2-pentanone	ppbv	1,100		8,500	
Acetone	ppbv	580		16,000	
Benzene	ppbv	2,200		10,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	ND	U
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	270		ND	U
Chloroform	ppbv	3,300		1,700	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	8,500		1,200	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	4,400		9,700	
m,p-Xylene	ppbv	18,000		40,000	
Methylene Chloride	ppbv	3,300		20,000	
o-Xylene	ppbv	7,800		14,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	15,000		15,000	
Toluene	ppbv	21,000		79,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	9,600		12,000	
Vinyl Chloride	ppbv	920		ND	U
Total	**ppbv**	**107,870**		**266,500**	
Total	**lb/hr**	**1.855**		**7.274**	

Notes:
NC - Not calculated
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

System	Date	Temp (F)	Flow (scfm)
SBPA	01/09/07	98	953
Off-Site	01/09/07	62	1707

Table 3.8
SBPA and Off-Site ISVE System Results
for Method TO-14 (VOCs) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	6.7		20,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	4.5		2,800	
1,1-Dichloroethene	ppbv	ND	U	200	
1,2-Dichloroethane	ppbv	0.69		630	
1,2-Dichloropropane	ppbv	0.18	J/J	140	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	38		10,000	
2-Hexanone	ppbv	1.2	J/J	120	J/J
4-Methyl-2-pentanone	ppbv	14		4,300	
Acetone	ppbv	59		13,000	
Benzene	ppbv	8.4		9,400	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	240	J/J
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	0.28	J/J	ND	U
Chloroethane	ppbv	5		ND	U
Chloroform	ppbv	1.4		1,500	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	28		1,200	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	34		4,400	
m,p-Xylene	ppbv	160		16,000	
Methylene Chloride	ppbv	15		24,000	
o-Xylene	ppbv	86		5,900	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	29		8,600	
Toluene	ppbv	140		59,000	
trans-1,2-Dichloroethene	ppbv	0.44	J/J	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	15		11,000	
Vinyl Chloride	ppbv	9.2		150	J/J
Total	**ppbv**	**656**		**192,580**	
Total	**lb/hr**	**0.012**		**4.887**	

Notes:
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

System	Date	Temp (F)	Flow (scfm)
SBPA	02/15/07	40	1,150
Off-Site	02/15/07	48	1,582

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.9
SBPA and Off-Site ISVE System Results
for Method TO-14 (VOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07			
		SBPA ISVE		Off-Site ISVE	
1,1,1-Trichloroethane	ppbv	16,000		23,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	2,200		4,000	
1,1-Dichloroethene	ppbv	160		150	J/J
1,2-Dichloroethane	ppbv	400		730	
1,2-Dichloropropane	ppbv	240		260	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	600		16,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	1,000		7,600	
Acetone	ppbv	720		23,000	
Benzene	ppbv	2,700		13,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	ND	U
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	44	J/J	ND	U
Chloroethane	ppbv	500		ND	U
Chloroform	ppbv	4,100		1,700	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	14,000		1,400	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	4,600		10,000	
m,p-Xylene	ppbv	18,000		44,000	
Methylene Chloride	ppbv	4,700		35,000	
o-Xylene	ppbv	8,600		16,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	19,000		16,000	
Toluene	ppbv	26,000		100,000	
trans-1,2-Dichloroethene	ppbv	140	J/J	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	12,000		15,000	
Vinyl Chloride	ppbv	1,900		270	
Total	**ppbv**	**137,604**		**327,110**	
Total	**lb/hr**	**2.852**		**7.744**	

Notes:
ND - Non-detect
ppbv - Parts per billion volume
lb/hr - Pounds per hour

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

System	Date	Temp (F)	Flow (scfm)
SBPA	03/15/07	60	1,150
Off-Site	03/15/07	90	1,509

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.10
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	15		NS		ND	U	NC	NC	NC
1,3-Dichlorobenzene	µg	2.1		NS		ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	4.3		NS		ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	NS		ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	NS		ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	NS		ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2-Methylnaphthalene	µg	5.4		NS		ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	NS		ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	NS		ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	NS		ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	NS		ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	NS		ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	NS		ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	NS		ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	NS		ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	NS		ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	NS		ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	NS		ND	U	NC	NC	NC
Anthracene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	NS		ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	NS		ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	3		NS		ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	NS		ND	U	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
Chrysene	µg	ND	U	NS		ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	NS		ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	NS		ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	NS		0.74	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
di-n-Butylphthalate	µg	3.5	J/J	NS		ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	NS		ND	U	NC	NC	NC
Fluorene	µg	ND	U	NS		ND	U	NC	NC	NC

Table 3.10
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Hexachlorobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
Hexachlorobutadiene	µg	4.5		NS		ND	U	NC	NC	NC
Hexachlorocyclopentadiene	µg	ND	U	NS		ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	NS		ND	U	NC	NC	NC
IUeno(1,2,3-c,d)pyrene	µg	ND	U	NS		ND	U	NC	NC	NC
Isophorone	µg	1.1		NS		ND	U	NC	NC	NC
Naphthalene	µg	9		NS		ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	NS		ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	NS		ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	NS		ND	U	NC	NC	NC
Phenol	µg	ND	U	NS		ND	U	NC	NC	NC
Pyrene	µg	ND	U	NS		ND	U	NC	NC	NC
Total	µg	**47.90**		**NS**		**0.7**		**NC**	**NC**	**NC**

Notes:

µg - Microgram
NC - Not calculated
NS - Not sampled
ND - Non-detect
Destruction efficiencies were not calculated if either influent of effluent samples were estimated.
Destruction efficiencies were also not calculated if either influent of effluent samples were non-detect.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.
Due to laboratory error, the Duplicate Influent sample could not be analyzed.

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) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	3.8		5.2		ND	U	NC	NC	NC
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	0.94	J/J	1.2		ND	U	NC	NC	NC
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	3		4.1		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	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	3.6	J/J	ND	U	7.4		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	0.85	J/J	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	0.92	J/J	0.93	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

Table 3.11
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	ND	U	ND	U	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
IUeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	ND	U	0.62	J/J	ND	U	NC	NC	NC
Naphthalene	µg	4.3		5.7		ND	U	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	**15.64**		**18.59**		**8.33**		**NC**	**NC**	**NC**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

Destruction efficiencies were not calculated if either influent of effluent samples were estimated.

Destruction efficiencies were also not calculated if either influent of effluent samples were non-detect.

Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

_/ - Laboratory data qualifier

/_ - Data validation qualifier

Table 3.12
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	12		NA		ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	22		NA		ND	U	NC	NC	NC
1,3-Dichlorobenzene	µg	2.3		NA		ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	5.5		NA		ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	NA		ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	NA		ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	NA		ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	NA		ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	NA		ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	NA		ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	NA		ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	NA		ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	NA		ND	U	NC	NC	NC
2-Methylnaphthalene	µg	8		NA		ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	NA		ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	NA		ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	NA		ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	NA		ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	NA		ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	NA		ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	NA		ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	NA		ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	NA		ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	NA		ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	NA		ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	NA		ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	NA		ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	NA		ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	NA		ND	U	NC	NC	NC
Anthracene	µg	ND	U	NA		ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	NA		ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	NA		ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	NA		ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	NA		ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	NA		ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	NA		ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	9.9		NA		ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	NA		1	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	NA		ND	U	NC	NC	NC
Chrysene	µg	ND	U	NA		ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	NA		ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	NA		ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	NA		2.2	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	NA		ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	NA		0.78	J/J	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	NA		ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	NA		ND	U	NC	NC	NC
Fluorene	µg	ND	U	NA		ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	NA		ND	U	NC	NC	NC
Hexachlorobutadiene	µg	11		NA		ND	U	NC	NC	NC
Hexachlorocyclopentadiene	µg	ND	U	NA		ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	NA		ND	U	NC	NC	NC
IUeno(1,2,3-c,d)pyrene	µg	ND	U	NA		ND	U	NC	NC	NC
Isophorone	µg	3		NA		ND	U	NC	NC	NC

Table 3.12
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07								
		Therm-Ox 1						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	17		NA		ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	NA		ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	NA		ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	NA		ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	NA		ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	NA		ND	U	NC	NC	NC
Phenol	µg	ND	U	NA		ND	U	NC	NC	NC
Pyrene	µg	ND	U	NA		ND	U	NC	NC	NC
Total	µg	**90.70**		**0.00**		**3.98**		**NC**	**NC**	**NC**

Notes:
µg - Microgram
NC - Not calculated
ND - Non-detect
NA - Not analyzed

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) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	3.2		NS		1.3		59.38%	59.38%	59.38%
1,3-Dichlorobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	11		NS		ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	NS		ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	NS		ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	NS		ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
2-Methylnaphthalene	µg	0.71	J/J	NS		ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	9.6		NS		ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	NS		ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	NS		ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	NS		ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	NS		ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	NS		ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	NS		ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	32		NS		ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	NS		ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	NS		ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	NS		ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	NS		ND	U	NC	NC	NC
Anthracene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	NS		ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	NS		ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	NS		ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	1.8		NS		ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	NS		3.1	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
Chrysene	µg	ND	U	NS		ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	NS		ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	NS		ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	NS		1.5	J/J	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	NS		ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	NS		ND	U	NC	NC	NC
Fluorene	µg	ND	U	NS		ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
Hexachlorobutadiene	µg	ND	U	NS		ND	U	NC	NC	NC
Hexachlorocyclopentadiene	µg	ND	U	NS		ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	NS		ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	NS		ND	U	NC	NC	NC
Isophorone	µg	59		NS		1.8		NC	NC	NC

Table 3.13
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	3		NS		1.6		NC	NC	NC
Nitrobenzene	µg	ND	U	NS		ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	NS		ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	NS		ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	NS		ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	NS		ND	U	NC	NC	NC
Phenol	µg	23		NS		ND	U	NC	NC	NC
Pyrene	µg	ND	U	NS		ND	U	NC	NC	NC
Total	µg	**143.31**		**NS**		**9.30**		**NC**	**NC**	**NC**

Notes:
µg - Microgram
NC - Not calculated
NS - Not sampled
ND - Non-detect
Destruction efficiencies were not calculated if either influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if either influent or effluent samples were non-detect.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.
Due to laboratory error, the Duplicate Influent sample could not be analyzed.

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) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
1,2-Dichlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
1,4-Dichlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	6.3		1.9	J/J	2.2	J/R	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Diethylphthalate	µg	1.8	J/J	3.5	J/J	ND	U/R	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	0.78	J/J	ND	U/R	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Hexachlorobutadiene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Isophorone	µg	ND	U	ND	U	ND	U/R	NC	NC	NC

Table 3.14
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Total	µg	**8.10**		**6.18**		**2.20**		**NC**	**NC**	**NC**

Notes:
µg - Microgram
NC - Not calculated
ND - Non-detect
Destruction efficiencies were not calculated if either influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if either influent or effluent samples were non-detect.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

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

Table 3.15
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.79	J/J	0.81	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	26		26		0.95	J/J	NC	NC	NC
1,3-Dichlorobenzene	µg	1.1		0.98	J/J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	3.1		2.9		ND	U	NC	NC	NC
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	2.9		2.4		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	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	2.6		2.5		ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	2.5	J/J	ND	U	3.4	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	0.93	J/J	ND	U	0.85	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	1.6		1.6		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
IUeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	10		11		ND	U	NC	NC	NC

Table 3.15
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07								
		Therm-Ox 2						Destruction Efficiency		
		Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	16		15		1.5		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	**67.52**		**63.19**		**6.70**		**NC**	**NC**	**NC**

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) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	0.57	J/J	2.1	
1,2-Dichlorobenzene	µg	18		46	
1,3-Dichlorobenzene	µg	2.5		1.6	
1,4-Dichlorobenzene	µg	5		5.2	
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	6.8		11	
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	4.6		4.6	
bis(2-Ethylhexyl)phthalate	µg	2.3	J/J	1	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	ND	U	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	2	J/J	1.4	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	5.5		3.4	
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	1.5		33	

Table 3.16
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - January 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 1/9/07			
		SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	12		52	
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	3.6	J/J
Pyrene	µg	ND	U	ND	U
Total	µg	**60.77**		**164.90**	

Notes:
µg - Microgram
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) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	ND	U	ND	U
1,2-Dichlorobenzene	µg	ND	U	1.2	
1,3-Dichlorobenzene	µg	ND	U	ND	U
1,4-Dichlorobenzene	µg	ND	U	ND	U
2,4,5-Trichlorophenol	µg	ND	U	ND	U
2,4,6-Trichlorophenol	µg	ND	U	ND	U
2,4-Dichlorophenol	µg	ND	U	ND	U
2,4-Dimethylphenol	µg	ND	U	ND	U
2,4-Dinitrophenol	µg	ND	U	ND	U
2,4-Dinitrotoluene	µg	ND	U	ND	U
2,6-Dinitrotoluene	µg	ND	U	ND	U
2-Chloronaphthalene	µg	ND	U	ND	U
2-Chlorophenol	µg	ND	U	ND	U
2-Methylnaphthalene	µg	ND	U	ND	U
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	6.8		2.4	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	4.1	J/J	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	3.2	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	ND	U	ND	U
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	0.8	J/J	1.5	

Table 3.17
SBPA and Off-Site ISVE System Results
for Method TO-13 (SVOCs) - February 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 2/15/07			
		SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	0.99	J/J	1.2	
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	**15.89**		**5.10**	

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) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	4		1.7	
1,2-Dichlorobenzene	µg	7.7		36	
1,3-Dichlorobenzene	µg	0.81	J/J	1.3	
1,4-Dichlorobenzene	µg	1.8		4	
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	2.9		8.1	
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	3.5		3.8	
bis(2-Ethylhexyl)phthalate	µg	3	J/J	1.6	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	ND	U	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	0.85	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	3.7		2.8	
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	1.4		29	

Table 3.18
SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) - March 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 3/15/07			
		SBPA ISVE		Off-Site ISVE	
Naphthalene	µg	6.1		42	
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	**35.76**		**130.30**	

Notes:
µg - Microgram
ND - Non-detect

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

Table 3.19
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-01	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	87.5	261	
	3/23/2007	Water	96.0	8	
SVE-02	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	88.0	273	
	3/23/2007	43	97.5	10	
SVE-03	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	82.5	Water	
	3/23/2007	Water	94.0	8	
SVE-04	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	88.0	189	
	3/23/2007	29	97.0	9	
SVE-05	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	88.5	318	
	3/23/2007	66	97.0	5	
SVE-06	1/30/2007	NM	NM	NM	
	2/22/2007	Water	87.5	296	
	3/23/2007	Water	96.5	10	
SVE-07	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	74.0	142	
	3/23/2007	Water	85.0	10	
SVE-08	1/30/2007	NM	NM	NM	System Down
	2/22/2007	1	1.5	172	
	3/23/2007	4	9.0	21	
SVE-09	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	73.5	186	
	3/23/2007	180	84.0	17	
SVE-10	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	87.5	186	
	3/23/2007	Water	97.5	20	
SVE-11	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	77.5	194	
	3/23/2007	Water	87.5	15	
SVE-12	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	58.0	259	
	3/23/2007	Water	94.5	Water	
SVE-13	1/30/2007	NM	NM	NM	System Down
	2/22/2007	15	85.5	113	
	3/23/2007	60	94.5	151	
SVE-14	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	87.0	3437	
	3/23/2007	Water	96.0	66	
SVE-15	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.5	654	
	3/23/2007	Water	95.0	9	

Table 3.19
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-16	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.0	1896	
	3/23/2007	Water	95.5	10	
SVE-17	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	87.5	256	
	3/23/2007	Water	96.0	53	
SVE-18	1/30/2007	NM	NM	NM	System Down
	2/22/2007	20	85.5	864	
	3/23/2007	40	95.5	67	
SVE-19	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.5	232	
	3/23/2007	Water	96.0	59	
SVE-20	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	85.0	201	
	3/23/2007	Water	94.5	70	
SVE-21	1/30/2007	NM	NM	NM	System Down
	2/22/2007	41	72.5	192	
	3/23/2007	32	81.0	72	
SVE-22	1/30/2007	NM	NM	NM	System Down
	2/22/2007	30	86.5	1722	
	3/23/2007	42	95.0	131	
SVE-23	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	87.0	1606	
	3/23/2007	Water	95.5	174	
SVE-24	1/30/2007	NM	NM	NM	System Down
	2/22/2007	220	86.0	1563	
	3/23/2007	203	95.0	135	
SVE-25	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	85.5	744	
	3/23/2007	Water	94.0	113	
SVE-26	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	87.0	764	
	3/23/2007	38	95.5	68	
SVE-27	1/30/2007	NM	NM	NM	System Down
	2/22/2007	14	49.0	72	
	3/23/2007	14	19.5	171	
SVE-28	1/30/2007	NM	NM	NM	System Down
	2/22/2007	29	86.0	147	
	3/23/2007	35	95.0	192	
SVE-29	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.5	308	
	3/23/2007	Water	96.0	169	
SVE-30	1/30/2007	NM	NM	NM	System Down
	2/22/2007	12	87.0	772	
	3/23/2007	55	95.5	129	

Table 3.19
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-31	1/30/2007	NM	NM	NM	System Down
	2/22/2007	47	87.0	67	
	3/23/2007	74	96.0	104	
SVE-32	1/30/2007	NM	NM	NM	System Down
	2/22/2007	13	41.0	222	
	3/23/2007	46	63.5	101	
SVE-33	1/30/2007	NM	NM	NM	System Down
	2/22/2007	13	86.0	75	
	3/23/2007	68	95.0	100	
SVE-34	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.0	467	
	3/23/2007	Water	95.0	161	
SVE-35	1/30/2007	NM	NM	NM	System Down
	2/22/2007	15	87.5	39	
	3/23/2007	43	95.5	85	
SVE-36	1/30/2007	NM	NM	NM	System Down
	2/22/2007	7	86.5	69	
	3/23/2007	47	95.0	151	
SVE-37	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	85.5	40	
	3/23/2007	Water	95.0	88	
SVE-38	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.0	230	
	3/23/2007	32	96.0	161	
SVE-39	1/30/2007	NM	NM	NM	System Down
	2/22/2007	20	85.0	43	
	3/23/2007	Water	93.0	152	
SVE-40	1/30/2007	NM	NM	NM	System Down
	2/22/2007	280	85.5	324	
	3/23/2007	240	94.0	140	
SVE-41	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	86.5	473	
	3/23/2007	Water	95.5	91	
SVE-42	1/30/2007	NM	NM	NM	System Down
	2/22/2007	21	85.5	72	
	3/23/2007	52	94.5	153	

Notes:

"-" = Data not collected

"Water" = Water present in vapor stream, preventing data collection

NM = Not measured, reason given in comments column

Flow is measured using a VelociCalc 8384 flow meter.

Vacuum pressures were measured with an Extech Manometer Model 407910.

Table 3.20
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - First Quarter 2007
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)
1/30/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/22/2007	11.6	0	89	11.6	0	88	87.5	86.5	88	0	11.5	696
3/23/2007	11.3	0	97	11.3	0	96.5	96	95.5	97	0	11.1	590

Date	Blower Inf Vac (" H2O)	Blower Inf VOC (ppm)	Blower Inf Temp. (°F)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (°F)	Filter Diff Press (" H_2O)	Ambient Temperature (°F)	Barometric Pressure ("Hg)	Humidity (%)
1/30/2007	NM	NM	NM	NM	NM	NM	-	NM	NM	12	30.07	67%
2/22/2007	92.5	150	54	15.6	529	21.0	154	142	5.5	39	30.15	56%
3/23/2007	101	108	60	15.5	522	18.5	-	155	5.0	48	30.09	93%

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 3.21
SBPA In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-43	1/30/2007	NM	NM	NM	System Down
	2/22/2007	0.1	0.0	25	
	3/23/2007	11.0	44.0	41	
SVE-44	1/30/2007	NM	NM	NM	System Down
	2/22/2007	24	-	-	Air injection well
	3/23/2007	Water	88.5	47	
SVE-45	1/30/2007	NM	NM	NM	System Down
	2/22/2007	70	152.5	69	
	3/23/2007	20	101.0	52	
SVE-46	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	130.5	63	
	3/23/2007	11	98.5	70	
SVE-47	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	151.0	135	
	3/23/2007	30	102.0	71	
SVE-48	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	142.0	51	
	3/23/2007	Water	100.5	102	
SVE-49	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	19	99.5	124	
SVE-50	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	151.0	45	
	3/23/2007	25	-	-	Air injection well
SVE-51	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.0	97	
	3/23/2007	17	101.5	107	
SVE-52	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	-	-	-	
SVE-53	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	-	-	-	
SVE-54	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	131.0	77	
	3/23/2007	21	-	-	Air injection well
SVE-55	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.0	63	
	3/23/2007	26	100.0	113	
SVE-56	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.5	85	
	3/23/2007	101	92.5	69	
SVE-57	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	130.0	74	
	3/23/2007	Water	97.0	83	
SVE-58	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	138.5	215	
	3/23/2007	Water	106.0	103	

Table 3.21
SBPA In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-59	1/30/2007	NM	NM	NM	System Down
	2/22/2007	10	-	-	Air injection well
	3/23/2007	Water	100.0	114	
SVE-60	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	140.0	70	
	3/23/2007	Water	106.0	205	
SVE-61	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	-	-	-	
SVE-62	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	-	-	-	
SVE-63	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.0	177	
	3/23/2007	Water	100.5	101	
SVE-64	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	152.0	138	
	3/23/2007	Water	100.0	84	
SVE-65	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	Water	100.5	74	
SVE-66	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	150.0	82	
	3/23/2007	21	100.0	68	
SVE-67	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	130.0	183	
	3/23/2007	Water	95.0	89	
SVE-68	1/30/2007	NM	NM	NM	System Down
	2/22/2007	20	142.0	100	
	3/23/2007	Water	63.0	67	
SVE-69	1/30/2007	NM	NM	NM	System Down
	2/22/2007	45	147.0	62	
	3/23/2007	36	101.5	97	
SVE-70	1/30/2007	NM	NM	NM	System Down
	2/22/2007	110	144.5	40	
	3/23/2007	Water	106.0	147	
SVE-71	1/30/2007	NM	NM	NM	System Down
	2/22/2007	39	154.0	467	
	3/23/2007	29	108.0	200	
SVE-72	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	-	-	-	
SVE-73	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	80	-	-	Air injection well
SVE-74	1/30/2007	NM	NM	NM	System Down
	2/22/2007	15	154.0	959	
	3/23/2007	55	108.5	94	
SVE-75	1/30/2007	NM	NM	NM	System Down
	2/22/2007	26	152.0	113	
	3/23/2007	109	84.5	76	

Table 3.21
SBPA In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-76	1/30/2007	NM	NM	NM	System Down
	2/22/2007	22	149.0	75	
	3/23/2007	32	93.0	72	
SVE-77	1/30/2007	NM	NM	NM	System Down
	2/22/2007	33	-	-	Air injection well
	3/23/2007	-	-	-	
SVE-78	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	138.0	106	
	3/23/2007	-	-	-	
SVE-79	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	152.0	275	
	3/23/2007	32	-	-	Air injection well
SVE-80	1/30/2007	NM	NM	NM	System Down
	2/22/2007	10	-	-	Air injection well
	3/23/2007	Water	106.0	176	
SVE-81	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.0	319	
	3/23/2007	40	-	-	Air injection well
SVE-82	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.0	511	
	3/23/2007	Water	106.0	210	
SVE-83	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	134.5	96	
	3/23/2007	Water	107.0	109	
SVE-84	1/30/2007	NM	NM	NM	System Down
	2/22/2007	19	-	-	Air injection well
	3/23/2007	20	106.0	311	
SVE-85	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.5	91	
	3/23/2007	40	106.5	226	
SVE-86	1/30/2007	NM	NM	NM	System Down
	2/22/2007	Water	153.0	273	
	3/23/2007	19	107.0	192	
SVE-87	1/30/2007	NM	NM	NM	System Down
	2/22/2007	NM	NM	NM	Well down for repairs
	3/23/2007	NM	NM	NM	Well down for repairs
SVE-88	1/30/2007	-	-	-	System Down
	2/22/2007	-	-	-	
	3/23/2007	-	-	-	

Notes:

"-" = Data not collected

"Water" = Water present in vapor stream, preventing data collection

NM = Not measured, reason given in comments column

Flow is measured using a VelociCalc 8384 flow meter.

Velocity is measured using a VelociCheck 8330.

Vacuum pressures are measured with an Extech Manometer Model 407910.

Table 3.22
SBPA In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - First Quarter 2007
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)
1/30/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/22/2007	9.3	3553	151	9.2	311	152.0	0	11.1	1447	100	NM
3/23/2007	11.1	2973	102	10.9	0	108.0	0	11.2	1368	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 Temperature (°F)	Barometric Pressure ("Hg)	Humidity (%)
1/30/2007	NM	NM	NM	NM	NM	NM	NM	12	30.07	67%
2/22/2007	58	14.7	953	0.0	122	208	5.0	35	30.00	65%
3/23/2007	57	14.8	948	0.0	NM	164	9.0	48	30.08	88%

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 - First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Upper Aquifer Wells

Well Designation	Reference Points			3/16/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOIC	Level	Elevation		
MW11	6377	7329	640.47	4.27	636.20		n/a
MW13	5050	7814	634.08	2.83	631.25		n/a
MW37	5395	7976	636.78	3.88	632.90		n/a
MW46	4526	7424	633.32	2.32	631.00		n/a
MW48	5669	7814	636.36	3.82	632.54		n/a
MW49	5551	7650	637.00	3.83	633.17		n/a

Staff Gauges & Piezometers

Well Designation	Reference Points			3/16/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOSG	Level	Elevation		
P23	4689	7018	636.18	4.98	631.20		n/a
P25	5131	7510	633.33	1.35	631.98		n/a
P26	4764	7309	634.23	3.32	630.91		n/a
P27	4904	7020	639.70	7.93	631.77		n/a
P28	5883	7486	644.53	10.64	633.89		n/a
P32	5746	7026	642.32	11.20	631.12		n/a
P40	5931	7241	638.77	3.16	635.61		n/a
P41	5663	7377	637.23	2.26	634.97		n/a
P49	5145	6949	638.98	10.75	628.23		n/a
SG13	4819	7209	631.53	5.40	630.93	TOSG = 6.0' mark	n/a

PGCS Piezometer Sets

Well Designation	Reference Points			3/16/2007		Notes	Difference Across *Barrier Wall* (if applicable)[1]
	East	North	TOC	Level	Elevation		
P81	5577	7581	636.19	3.07	633.12		n/a
P82	5577	7572	635.77	2.94	632.83		n/a
P83	5577	7561.6	635.95	2.47	633.48		n/a
P84	5322	7603	634.35	2.27	632.08		n/a
P85	5326	7594	634.08	1.92	632.16		n/a
P86	5329	7585	634.41	2.13	632.28		n/a
P87	5121	7466	633.88	2.81	631.07		n/a
P88	5130	7460	633.90	2.30	631.60		n/a
P89	5137	7454	634.02	2.41	631.61		n/a
P90	4881	7152	634.45	3.50	630.95		n/a
P91	4889	7145	634.59	3.99	630.60		n/a
P92	4896	7138.1	633.87	3.23	630.64		n/a

Table 6.1
Water Table Elevations Across the Barrier Wall and Near the PGCS - First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

BWES Water Level and Piezometer Pairs

Well Designation	Reference Points			3/16/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOC	Level	Elevation		
P93R - Outside BW	TBD	TBD	639.05	6.99	632.06	Installed Nov. 2004	-3.76
P94R - Inside BW	TBD	TBD	640.99	12.69	628.30	Installed Nov. 2004	
P95 - Outside BW	5146	6532	638.58	5.31	633.27		-8.44
P96 - Inside BW	5156	6537	641.26	16.43	624.83		
P105 - Outside BW	5885	6678	638.86	2.03	636.83		-7.82
P106 - Inside BW	5871	6685	638.10	9.09	629.01		
P107 - Outside BW	5766	7339	637.42	2.50	634.92		-3.78
P108 - Inside BW	5757	7324	638.13	6.99	631.14		
P109 - Outside BW	5740	6387	644.30	7.88	636.42		-8.39
P110 - Inside BW	5705	6382	647.68	19.65	628.03		
P111 - Outside BW	5551	5950	650.03	14.47	635.56		-8.93
P112 - Inside BW	5525	5960	653.36	26.73	626.63		
P113 - Inside BW	5309	5693	657.53	29.58	627.95		NM
ORCPZ102 - Outside BW	5331	5612	652.47	NM	NM	Landfill Gate Locked	
P114 - Inside BW	5035	5729	653.69	25.06	628.63		-6.07
P115 - Outside BW	4970	5708	652.50	17.80	634.70		
P116 - Inside BW	5031	6087	646.26	17.44	628.82		-5.74
P117 - Outside BW	5014	6087	643.93	9.37	634.56		
P118 - Inside BW	5402	6539	645.52	18.59	626.93		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 = could not measure (reason given under "Notes" column)
n/a = not applicable
1 A positive value indicates that the water level is higher inside the barrier wall. A negative value indicates that the water level is lower inside the barrier wall.

Table 6.2
Water Levels Inside Barrier Wall - First Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Date	On-Site Area					
	Target Level	P-29	P-31	P-32	P-36	P-49
1/12/2007	629.0	630.4	630.9	629.7	624.9	629.7
1/26/2007	629.0	630.4	630.9	629.7	624.9	629.6
2/2/2007	629.0	630.4	630.9	631.8	626.1	629.2
2/23/2007	629.0	630.4	630.9	631.1	626.0	627.7
3/2/2007	629.0	630.4	630.9	631.3	623.6	628.9
3/16/2007	629.0	630.4	630.9	631.1	624.9	628.2
3/30/2007	629.0	630.4	630.9	631.5	624.9	629.1

Date	Off-Site Area										
	Target Level	P-96	P-110	P-112	P-113	P-114	P-116	P-118	AS-7	AS-8	AS-9
1/12/2007	626.0	620.5	627.9	626.2	626.2	626.7	626.2	626.9	NM	NM	NN
1/26/2007	626.0	620.5	628.4	626.9	627.4	627.9	627.9	627.3	NM	NM	NM
1/30/2007	626.0	NM	NM	NM	NM	NM	NM	NM	629.03	628.58	628.37
2/2/2007	626.0	620.9	628.5	627.4	632.6	624.4	629.1	627.5	NM	NM	NM
2/23/2007	626.0	620.7	627.4	626.0	626.4	626.8	625.8	625.7	NM	NM	NM
3/2/2007	626.0	621.7	628.1	627.3	627.9	628.5	628.2	627.1	NM	NM	NM
3/16/2007	626.0	621.0	628.0	626.8	627.9	628.6	628.8	626.9	628.77	628.40	633.59
3/30/2007	626.0	622.3	628.1	627.4	627.9	628.7	629.0	627.0	NM	NM	NM

Notes:
All water level elevations are in feet AMSL.

FIGURES

Figure 3.1
VOC Removal Rate
American Chemical Services NPL Site, Griffith, IN

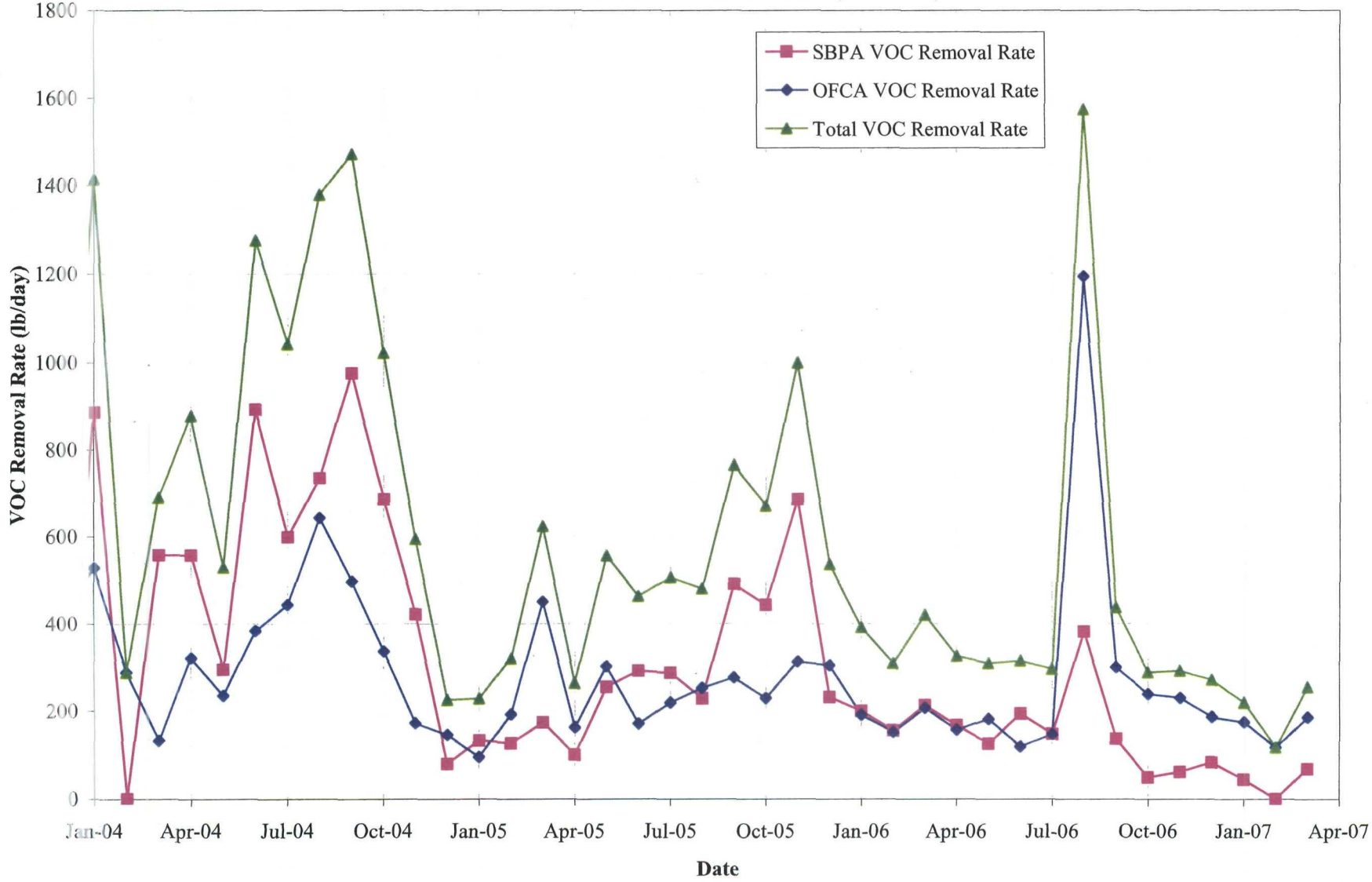
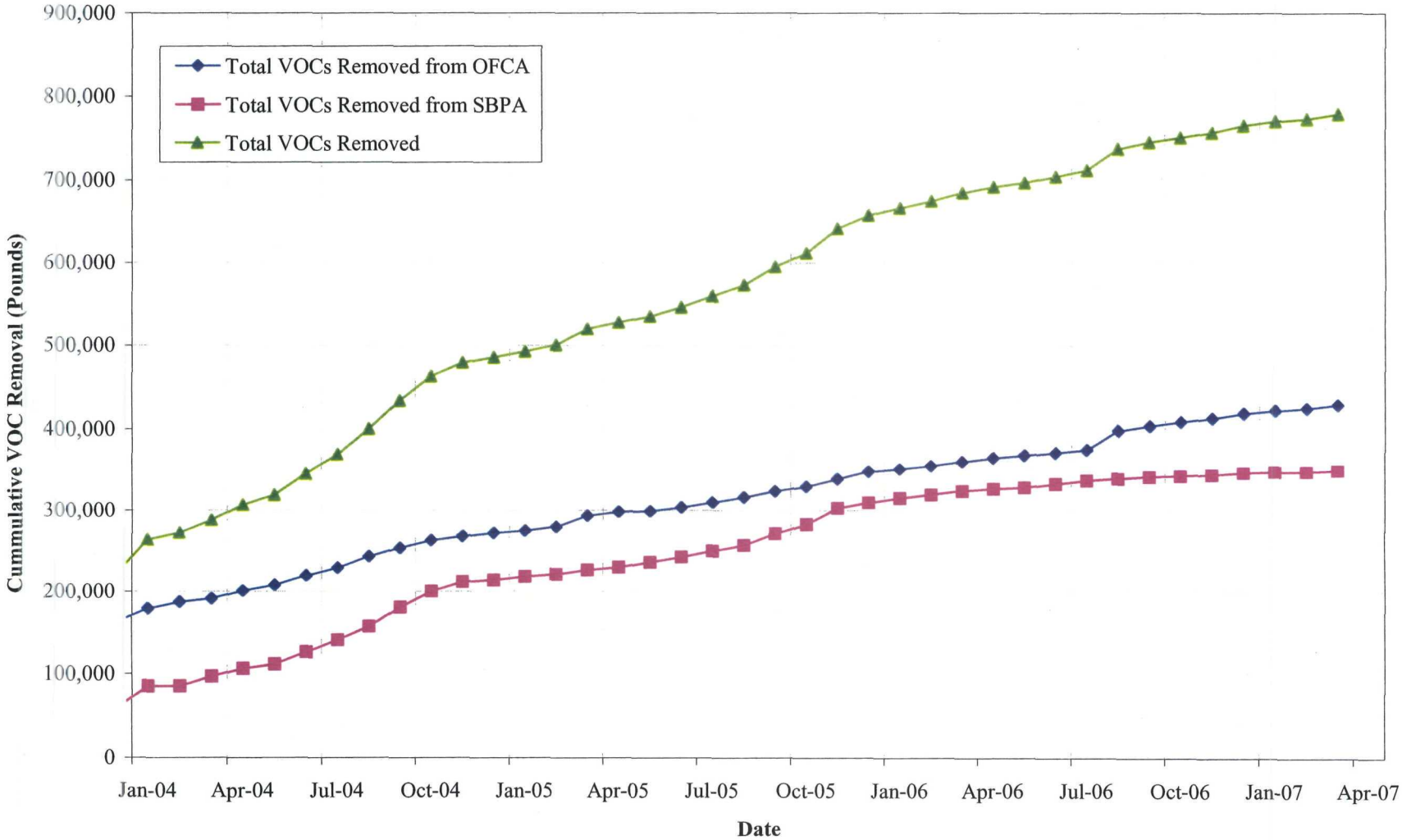
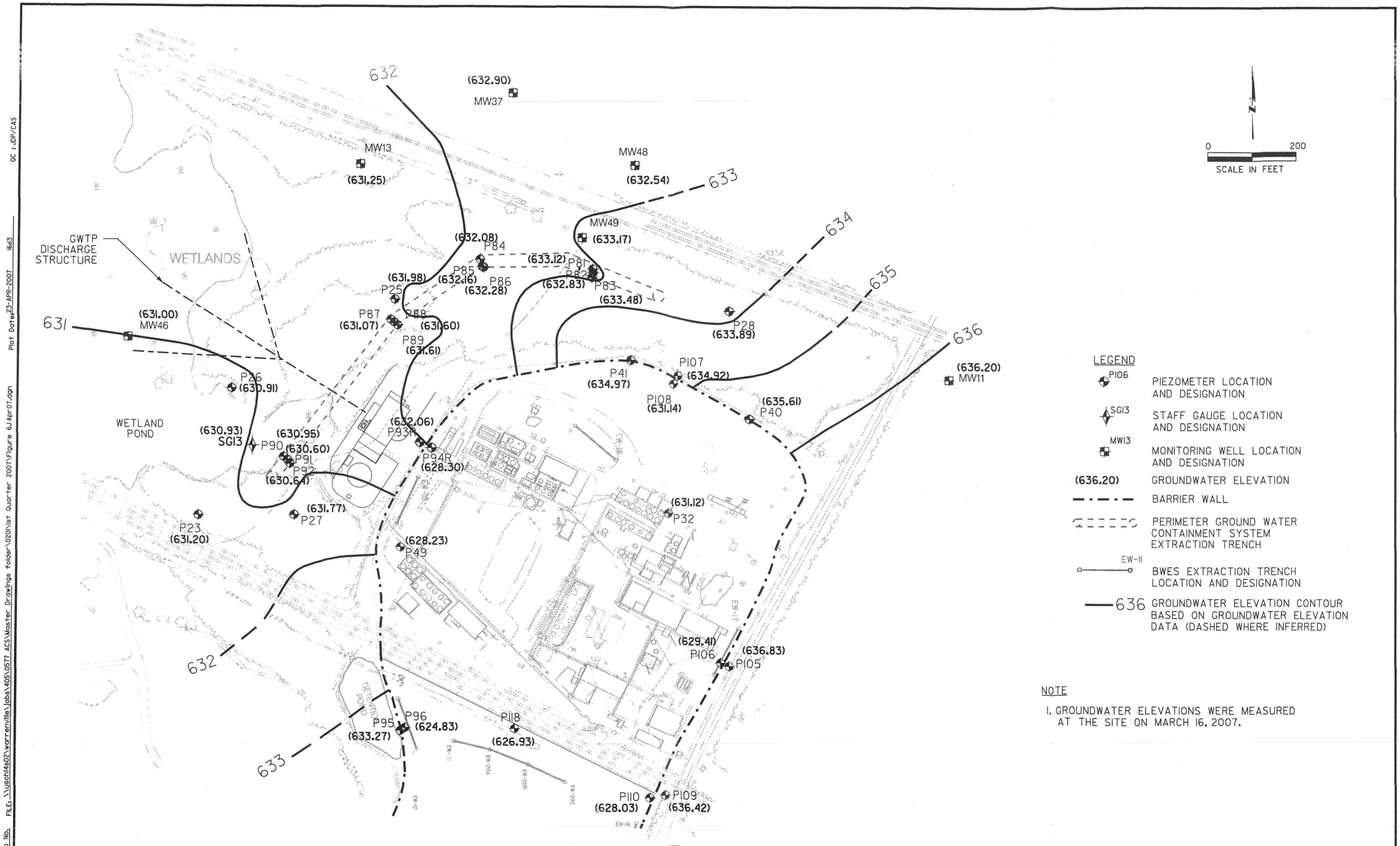


Figure 3.2
Total VOCs Removed
American Chemical Services NPL Site, Griffith, IN



CDC/JEF
J:\jobs\405\0577 ACS\0201 Engr\05770201a055.xls\Total VOCs Removed

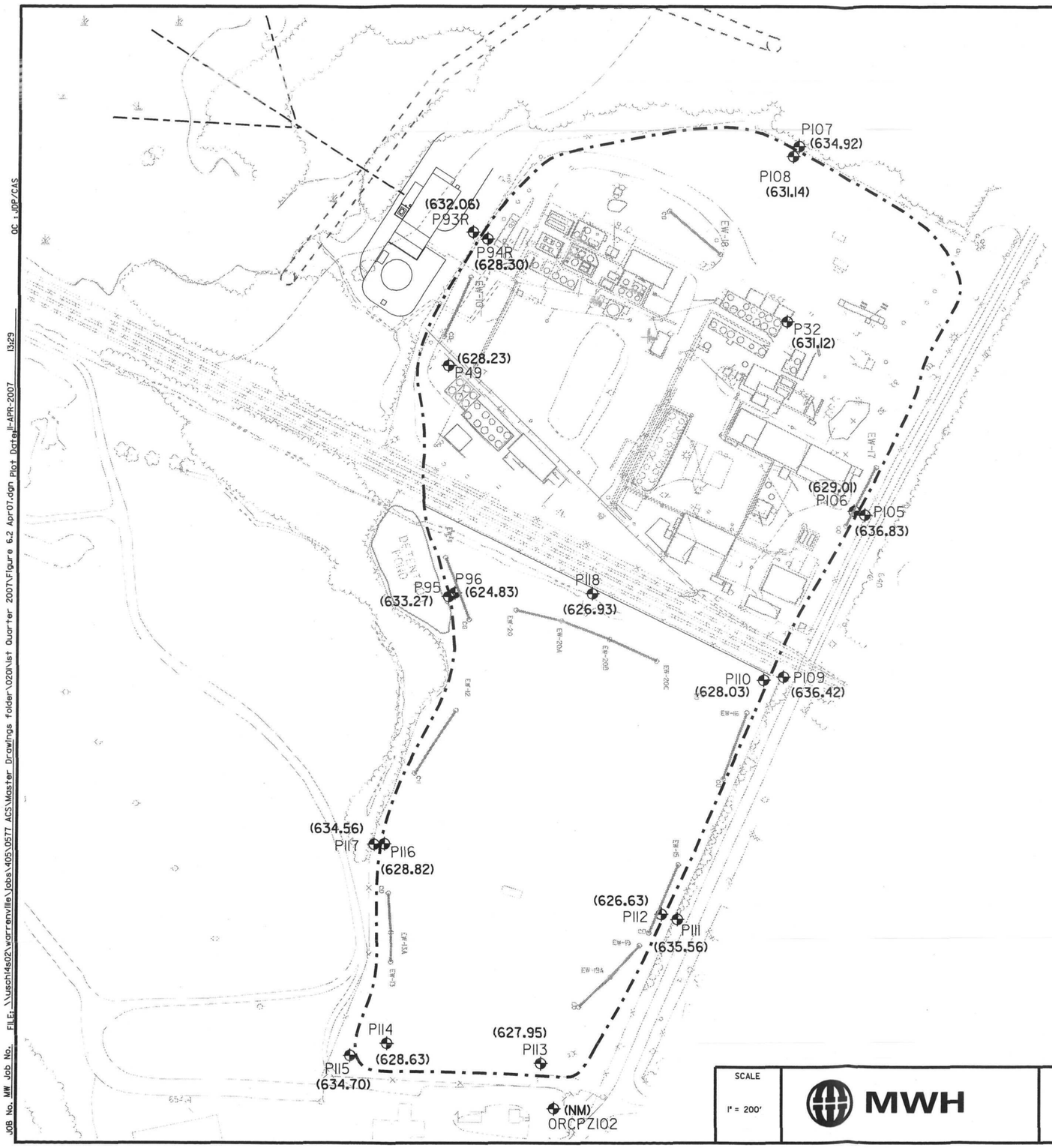


NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON MARCH 16, 2007.

SCALE				FIGURE
1" = 200'	MWH	AMERICAN CHEMICAL SERVICE, INC. GRIFFITH, INDIANA	WATER TABLE ELEVATIONS NEAR THE PGCS MARCH 2007	6.1

JOB No. MW Job No. FILE: \\uschi4s02\warrenville\jobs\405\0577 ACS\Master Drawings folder\020\1st Quarter 2007\Figure 6.1Apr07.dgn Plot Date: 23-APR-2007 16:13 QC : JDP/CAS



0 200
SCALE IN FEET

LEGEND

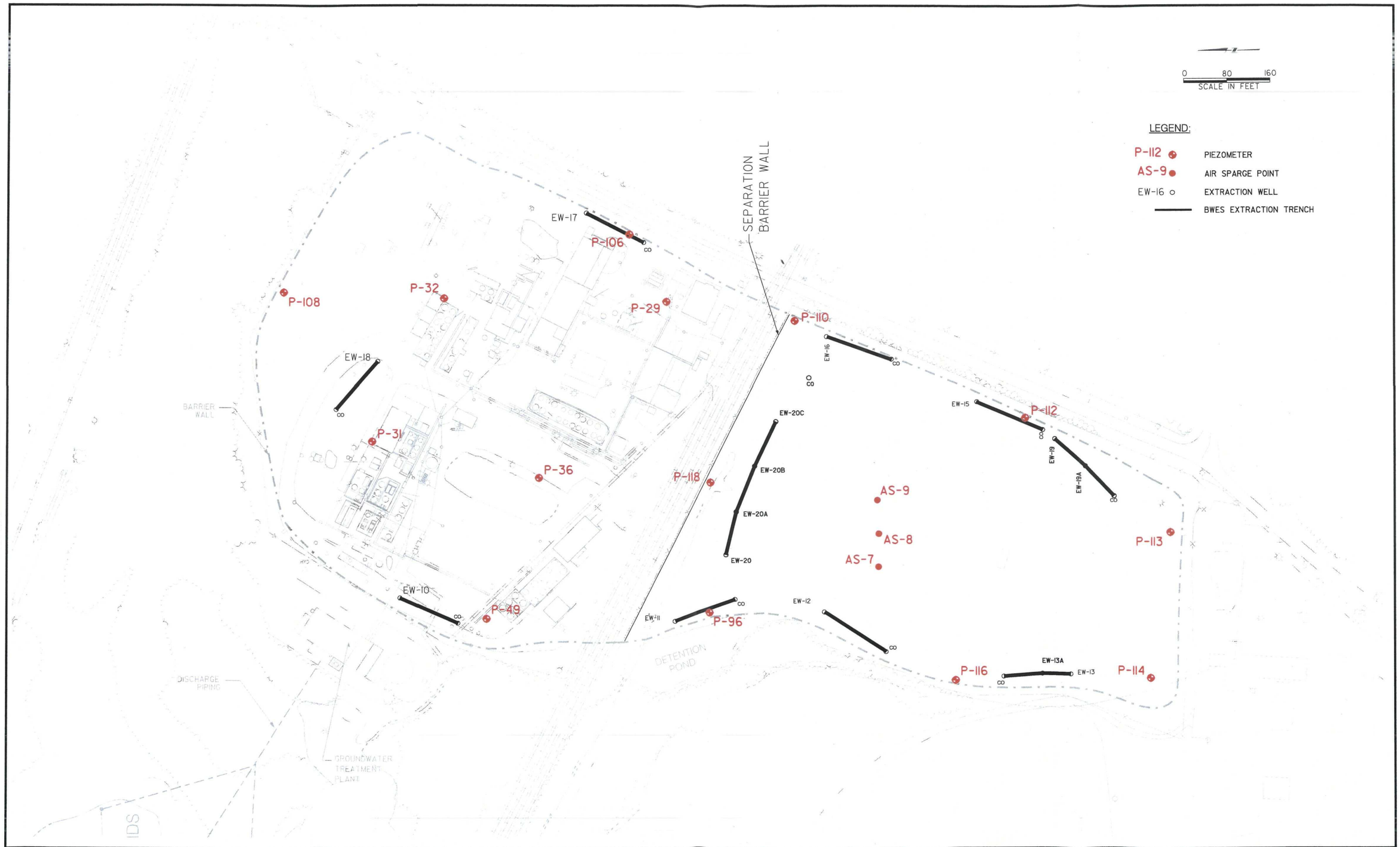
- P106 — PIEZOMETER LOCATION AND DESIGNATION
- ORCPZ102 — ORC PIEZOMETER LOCATION AND DESIGNATION
- (636.83) — GROUNDWATER ELEVATION
- (NM) — NOT MEASURED
- BARRIER WALL
- EW-11 — BWES EXTRACTION TRENCH LOCATION AND DESIGNATION
- PERIMETER GROUND WATER CONTAINMENT SYSTEM EXTRACTION TRENCH

NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON MARCH 16, 2007.

SCALE			FIGURE
1" = 200'	MWH	AMERICAN CHEMICAL SERVICE, INC. GRIFFITH, INDIANA	WATER TABLE ELEVATIONS ACROSS THE BARRIER WALL MARCH 2007	6.2

JOB No. MW Job No. FILE: \\uschi4s02\warrenville\jobs\405\0577 ACS\Master Drawings folder\020\1st Quarter 2007\Figure 6.2 Apr07.dgn Plot Date 11-APR-2007 13:29 OC : JDP/CAS



REV	DATE	BY	DESCRIPTION

SCALE: AS SHOWN

DESIGNED RAA
DRAWN CAD
CHECKED

SUBMITTED BY
ROBERT A. ADAMS (PROJECT MANAGER) LICENSE NO. DATE
(COMPANY OFFICER) LICENSE NO. DATE

MWH
MONTGOMERY WATSON HARZA

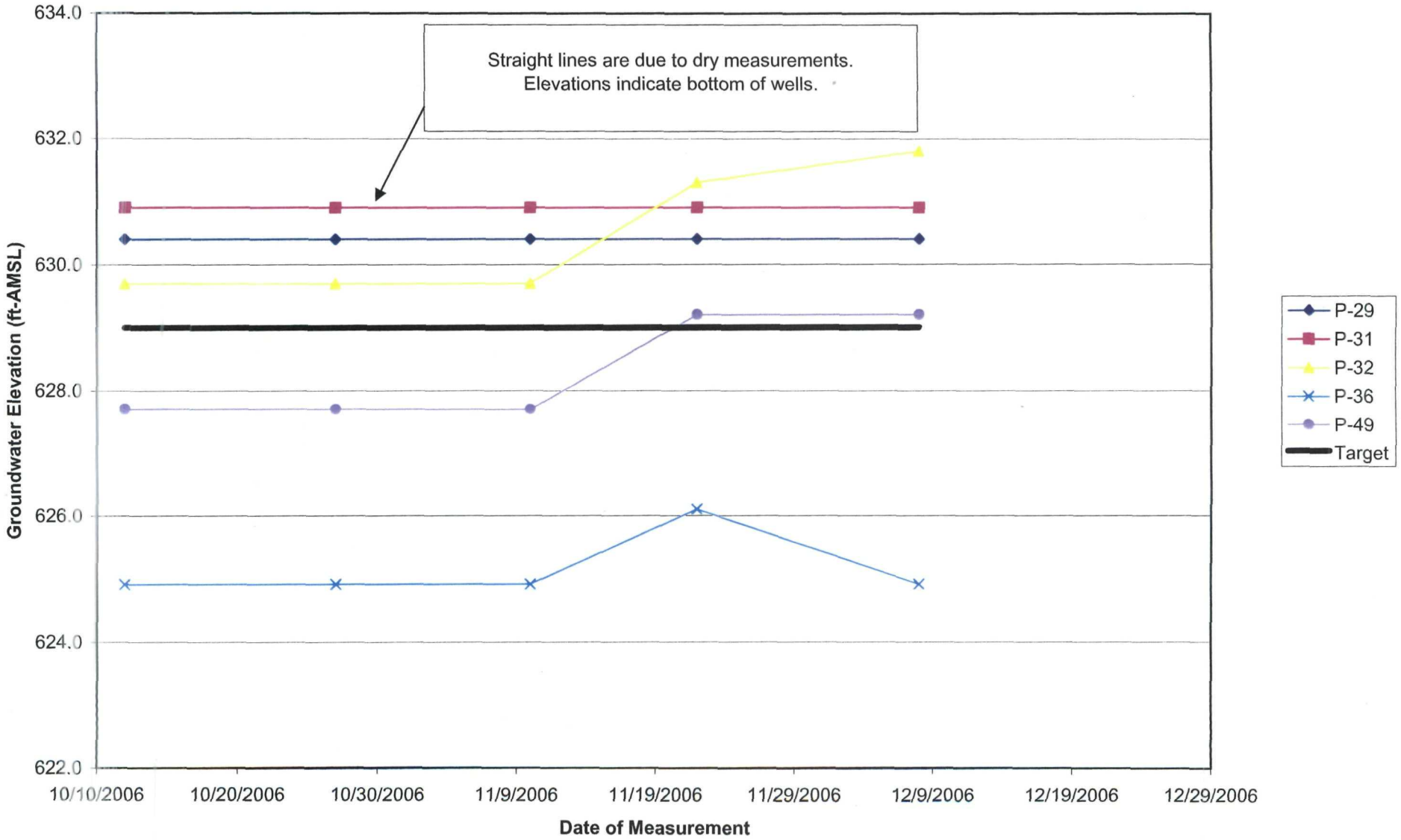
AMERICAN CHEMICAL SERVICE SUPERFUND SITE
GRIFFITH, INDIANA

GROUNDWATER LEVEL MEASURING LOCATIONS

FIGURE 6.3

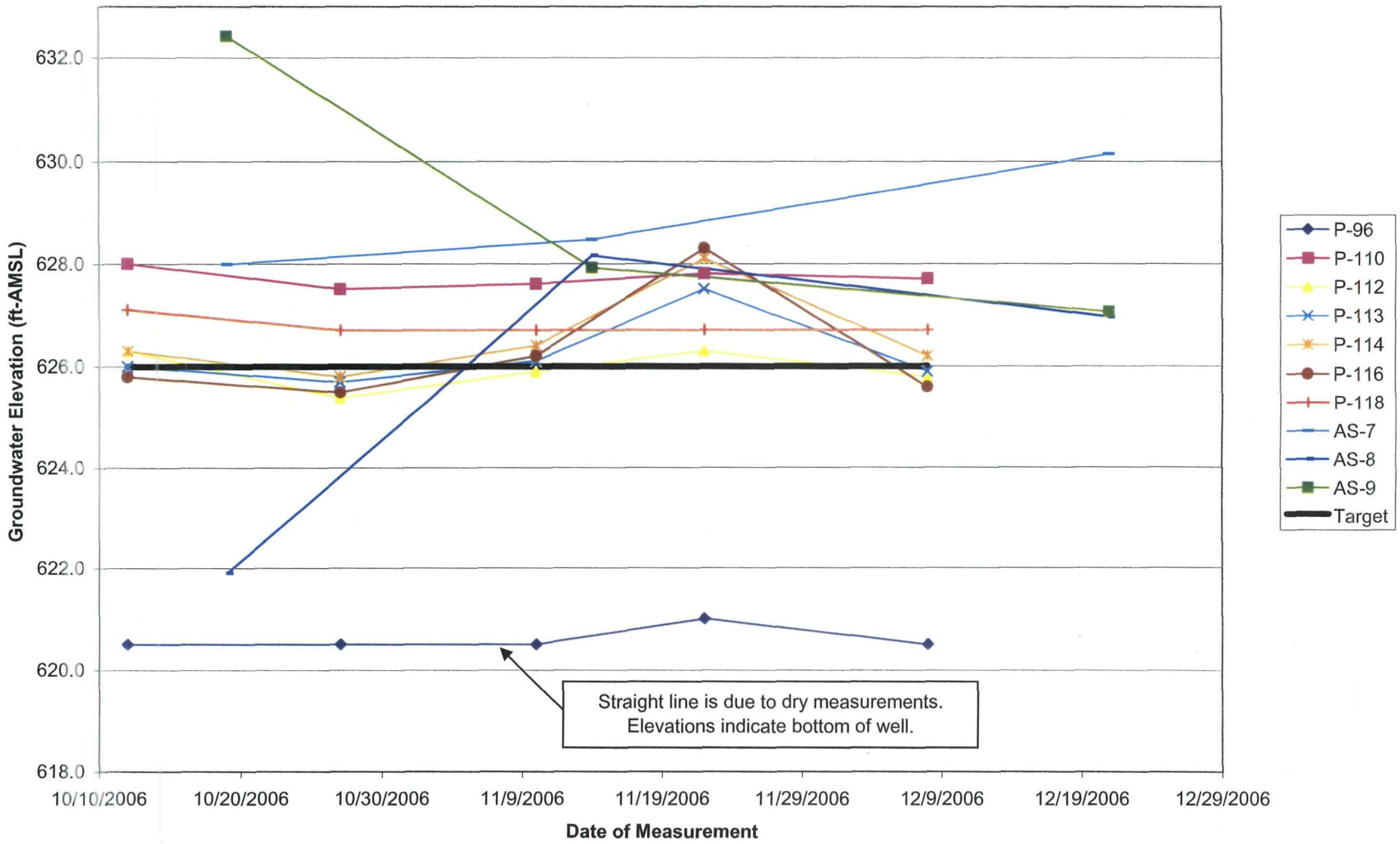
Files: Jr/405/0577 ACS/master cadd files/0201/3rd quarter 2006/figure63.dgn Plot Date: 19-MAR-2007 11:34

Figure 6.4
Water Level Trends Inside the Barrier Wall (Still Bottoms Pond Area)
ACS NPL Site
Griffith, Indiana



JEF/CAD
J:\405\0577 ACS\0201 Engr\05770201a029.xls\SBPA GW Trends

Figure 6.5
Water Level Trends Inside the Barrier Wall (Off-Site Area)
ACS NPL Site
Griffith, Indiana



JEF/CAD
J:\405\0577 ACS\0201 Engr\05770201a029.xls\Off-Site GW Trends

APPENDIX A

EFFLUENT ANALYTICAL DATA

January 10, 2007 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.: 12062

Matrix: (soil/water) WATER Lab Sample ID: 1206201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1206201A61

Level: (low/med) LOW Date Received: 01/11/07

% Moisture: not dec. _____ Date Analyzed: 01/13/07

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	0.66	
74-83-9	Bromomethane	0.50	U UJ
75-00-3	Chloroethane	0.74	
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U UJ
67-64-1	Acetone	2.5	U UJ
75-09-2	Methylene Chloride	0.52	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.88	
156-59-2	cis-1,2-Dichloroethene	2.4	
78-93-3	2-butanone	2.5	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.65	
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 UJ
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 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 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 UJ

FORM I VOA

2/15/07

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.: 12062

Matrix: (soil/water) WATER Lab Sample ID: 1206201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1206201A61

Level: (low/med) LOW Date Received: 01/11/07

% Moisture: not dec. _____ Date Analyzed: 01/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
540-59-0	1,2-Dichloroethene (total)	2.5	
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

2/15/07

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.: 12062

Matrix: (soil/water) WATER Lab Sample ID: 1206201

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1206201A70

Level: (low/med) LOW Date Received: 01/11/07

% Moisture: ____ decanted: (Y/N)___ Date Extracted: 01/14/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/16/07

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	10	U
106-44-5	4-Methylphenol	20	U
78-59-1	Isophorone	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	10	U

2/15/07

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.: 12062

Matrix: (soil/water) WATER Lab Sample ID: 1206201

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1206201B62

Level: (low/med) LOW Date Received: 01/11/07

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/14/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/23/07

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	1.3	

2/15/07

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.: 12062

Matrix: (soil/water) WATER Lab Sample ID: 1206201

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/11/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/16/07

Concentrated Extract Volume: 2500(uL) Date Analyzed: 01/18/07

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

2/8/07

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EFFLUENT

Lab Name: COMPUCHEM Contract

Lab Code: LIBERTY Case No.: SAS No.: SDG No.: 12062

Matrix (soil/water): WATER Lab Sample ID: 1206201

Level (low/med): LOW Date Received: 1/11/2007

% 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	16.1	B	UB	P
7440-36-0	Antimony	10.1		UB	P
7440-38-2	Arsenic	5.3	B		P
7440-39-3	Barium	22.7	B		P
7440-41-7	Beryllium	0.40	B	UB	P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	165000		B	P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	1.2	B	UB	P
7439-89-6	Iron	15.3	U		P
7439-92-1	Lead	1.9	U		P
7439-95-4	Magnesium	48900		B	P
7439-97-6	Mercury	0.10	U		CV
7439-96-5	Manganese	0.20	U		P
7440-02-0	Nickel	16.2	B		P
7440-09-7	Potassium	15300		B	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	210000		B	P
7440-28-0	Thallium	4.3	U		P
7440-62-2	Vanadium	0.66	B		P
7440-66-6	Zinc	0.71	B	UB	P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

2/15/07

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

ANALYTICAL RESULTS

Project: 12062
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 1206201 Date Collected: 1/10/2007 14:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 1/11/2007 15:26

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
PH OF WATER 150.1		Analytical Method: EPA 150.1									
PH-150.1	8.00	PH UNITS	0.00	1			1/23/2007	2477		J	
TTL SSPND SOLIDS (TSS) 160.2 W		Analytical Method: EPA 160.2									
TSS	1.00U	mg/L	1.00	1			1/23/2007	2477		UJ	

Date: 01/24/2007

2/15/07

REPORT OF LABORATORY ANALYSIS
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ANALYTICAL REPORT

Sample ID:	**Effluent**	Project:	**ACS**
Lab #:	**C700433-01**	Work Order #:	**C700433**
		Matrix	**Ground Water**

Chemical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Biochemical Oxygen Demand	NA	2 U	2	2	mg/L	EPA 405.1	NO PREP	7A11008

February 1, 2006 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.: 12252

Matrix: (soil/water) WATER Lab Sample ID: 1225201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1225201A62

Level: (low/med) LOW Date Received: 02/02/07

% Moisture: not dec. _____ Date Analyzed: 02/06/07

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	1.2	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	1.3	
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	0.54	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	1.3	
156-59-2	cis-1,2-Dichloroethene	4.2	
78-93-3	2-butanone	2.5	U UJ
67-66-3	Chloroform	0.34	J
71-55-6	1,1,1-Trichloroethane	1.1	
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.21	J
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

3/5/07

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.: 12252

Matrix: (soil/water) WATER Lab Sample ID: 1225201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1225201A62

Level: (low/med) LOW Date Received: 02/02/07

% Moisture: not dec. _____ Date Analyzed: 02/06/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	J
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)	4.3	
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

3/5/07

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

ANALYTICAL RESULTS

Project: 12252
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 1225201 Date Collected: 2/1/2007 13:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 2/2/2007 11:44

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	7.33	PH UNITS	0.00	1			2/7/2007 00:00	2477		UJ	

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3/5/07

March 15, 2007 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.: 12600

Matrix: (soil/water) WATER Lab Sample ID: 1260001

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1260001A61

Level: (low/med) LOW Date Received: 03/16/07

% Moisture: not dec. _____ Date Analyzed: 03/19/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	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	0.50	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	0.39	J
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 UJ
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 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

4/19/07

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.: 12600

Matrix: (soil/water) WATER Lab Sample ID: 1260001

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1260001A61

Level: (low/med) LOW Date Received: 03/16/07

% Moisture: not dec. _____ Date Analyzed: 03/19/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U UJ
540-59-0	1,2-Dichloroethene (total)	0.40	J
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

4/19/07

CompuChem
a division of Liberty Analytical Corp.

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

ANALYTICAL RESULTS

Project: 12600
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 1260001 Date Collected: 3/15/2007 14:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 3/16/2007 08:43

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	7.37	PH UNITS	0.00	1			3/19/2007	2477		J	

4/19/07

REPORT OF LABORATORY ANALYSIS
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without the written consent of CompuChem a Division of Liberty Analytical Corp..

APPENDIX B

THERMAL OXIDIZER OFF-GAS ANALYTICAL DATA

January 9, 2007 Off-Gas Sample Laboratory Results

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0701137A-01A

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

File Name: 1011514	Date of Collection: 1/9/07
Dil. Factor: 625	Date of Analysis: 1/15/07 08:00 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	300	Not Detected	760	Not Detected
Bromomethane	300	Not Detected	1200	Not Detected
Chloroethane	300	Not Detected	780	Not Detected
1,1-Dichloroethene	300	480	1200	1900
Methylene Chloride	300	20000	1000	71000
1,1-Dichloroethane	300	2500	1200	10000
cis-1,2-Dichloroethene	300	1200	1200	4900
Chloroform	300	1700	1400	8300
1,1,1-Trichloroethane	300	21000	1600	110000
Carbon Tetrachloride	300	Not Detected	1900	Not Detected
Benzene	300	10000	950	34000
1,2-Dichloroethane	300	660	1200	2600
Trichloroethene	300	12000	1600	64000
1,2-Dichloropropane	300	320	1400	1500
cis-1,3-Dichloropropene	300	Not Detected	1400	Not Detected
Toluene	300	79000	1100	300000
trans-1,3-Dichloropropene	300	Not Detected	1400	Not Detected
1,1,2-Trichloroethane	300	120 J	1600	690 J
Tetrachloroethene	300	15000	2000	100000
Chlorobenzene	300	Not Detected	1400	Not Detected
Ethyl Benzene	300	9700	1300	42000
m,p-Xylene	300	40000	1300	170000
o-Xylene	300	14000	1300	63000
Styrene	300	Not Detected	1300	Not Detected
1,1,2,2-Tetrachloroethane	300	Not Detected	2000	Not Detected
Bromodichloromethane	300	Not Detected	2000	Not Detected
Dibromochloromethane	300	Not Detected	2500	Not Detected
Chloromethane	1200	Not Detected	2400	Not Detected
Acetone	1200	16000	2800	39000
Carbon Disulfide	1200	Not Detected	3700	Not Detected
trans-1,2-Dichloroethene	1200	Not Detected	4700	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1200	14000	3500	42000
4-Methyl-2-pentanone	1200	8500	4900	35000
2-Hexanone	1200	320 J	4900	1300 J
Bromoform	1200	Not Detected	12000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0701137A-01A

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

File Name:	1011514	Date of Collection:	1/9/07
Dil. Factor:	1.95	Date of Analysis:	1/15/07 09:00 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	106	70-130

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0701137A-02A

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

File Name: 1011513	Date of Collection: 1/8/07
Dil. Factor: 225	Date of Analysis: 1/15/07 10:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	110	920	280	2300
Bromomethane	110	Not Detected	430	Not Detected
Chloroethane	110	270	290	700
1,1-Dichloroethene	110	280	440	1100
Methylene Chloride	110	3300	390	11000
1,1-Dichloroethane	110	1200	450	4800
cis-1,2-Dichloroethene	110	8500	440	34000
Chloroform	110	3300	540	16000
1,1,1-Trichloroethane	110	10000	610	55000
Carbon Tetrachloride	110	Not Detected	700	Not Detected
Benzene	110	2200	360	7200
1,2-Dichloroethane	110	200	450	820
Trichloroethene	110	9600	600	52000
1,2-Dichloropropane	110	170	520	810
cis-1,3-Dichloropropene	110	Not Detected	510	Not Detected
Toluene	110	21000	420	80000
trans-1,3-Dichloropropene	110	Not Detected	510	Not Detected
1,1,2-Trichloroethane	110	50 J	610	270 J
Tetrachloroethene	110	15000	760	100000
Chlorobenzene	110	Not Detected	510	Not Detected
Ethyl Benzene	110	4400	480	19000
m,p-Xylene	110	18000	480	78000
o-Xylene	110	7800	480	34000
Styrene	110	Not Detected	470	Not Detected
1,1,2,2-Tetrachloroethane	110	Not Detected	760	Not Detected
Bromodichloromethane	110	Not Detected	750	Not Detected
Dibromochloromethane	110	Not Detected	950	Not Detected
Chloromethane	450	Not Detected	920	Not Detected
Acetone	450	580	1000	1400
Carbon Disulfide	450	Not Detected	1400	Not Detected
trans-1,2-Dichloroethene	450	Not Detected	1800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	450	Not Detected	1300	Not Detected
4-Methyl-2-pentanone	450	1100	1800	4700
2-Hexanone	450	Not Detected	1800	Not Detected
Bromoform	450	Not Detected	4600	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07
OMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0701137A-02A

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

File Name:	1011513	Date of Collection:	1/8/07
Dil. Factor:	223	Date of Analysis:	01/07/08 12 PM

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

2/7/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0701137A-03A

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

File Name: 1011612	Date of Collection: 1/9/07
Dil Factor: 258	Date of Analysis: 1/12/07 07:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	990	340	2500
Bromomethane	130	Not Detected	520	Not Detected
Chloroethane	130	310	350	810
1,1-Dichloroethene	130	360	530	1400
Methylene Chloride	130	4100	460	14000
1,1-Dichloroethane	130	1500	540	6000
cis-1,2-Dichloroethene	130	10000	530	41000
Chloroform	130	4100	650	20000
1,1,1-Trichloroethane	130	12000	730	68000
Carbon Tetrachloride	130	Not Detected	840	Not Detected
Benzene	130	2600	430	8200
1,2-Dichloroethane	130	270	540	1100
Trichloroethene	130	12000	720	65000
1,2-Dichloropropane	130	210	620	960
cis-1,3-Dichloropropene	130	Not Detected	610	Not Detected
Toluene	130	28000	500	100000
trans-1,3-Dichloropropene	130	Not Detected	610	Not Detected
1,1,2-Trichloroethane	130	51 J	730	280 J
Tetrachloroethene	130	19000	910	130000
Chlorobenzene	130	Not Detected	620	Not Detected
Ethyl Benzene	130	6100	580	26000
m,p-Xylene	130	25000	580	110000
o-Xylene	130	11000	580	47000
Styrene	130	Not Detected	570	Not Detected
1,1,2,2-Tetrachloroethane	130	Not Detected	920	Not Detected
Bromodichloromethane	130	Not Detected	900	Not Detected
Dibromochloromethane	130	Not Detected	1100	Not Detected
Chloromethane	540	Not Detected	1100	Not Detected
Acetone	540	600	1300	1400
Carbon Disulfide	540	Not Detected	1700	Not Detected
trans-1,2-Dichloroethene	540	Not Detected	2100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	540	Not Detected	1600	Not Detected
4-Methyl-2-pentanone	540	1100	2200	4600
2-Hexanone	540	Not Detected	2200	Not Detected
Bromoform	540	Not Detected	5500	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0701137A-03A

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

File Name:	1011512	Date of Collection:	[illegible]
Dil. Factor:	25.0	Date of Analysis:	1/15/07 07:37 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

2/7/07
CKS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0701137A-04A

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

File Name: 1011511	Date of Collection: 1/9/07
Dil Factor: 232	Date of Analysis: 1/15/07 07:30 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	120	970	300	2500
Bromomethane	120	Not Detected	450	Not Detected
Chloroethane	120	290	310	780
1,1-Dichloroethene	120	420	460	1700
Methylene Chloride	120	3800	400	13000
1,1-Dichloroethane	120	1300	470	5400
cis-1,2-Dichloroethene	120	9900	460	39000
Chloroform	120	3800	570	18000
1,1,1-Trichloroethane	120	12000	630	64000
Carbon Tetrachloride	120	Not Detected	730	Not Detected
Benzene	120	2400	370	7600
1,2-Dichloroethane	120	240	470	970
Trichloroethene	120	11000	620	59000
1,2-Dichloropropane	120	190	540	870
cis-1,3-Dichloropropene	120	Not Detected	530	Not Detected
Toluene	120	25000	440	94000
trans-1,3-Dichloropropene	120	Not Detected	530	Not Detected
1,1,2-Trichloroethane	120	43 J	630	230 J
Tetrachloroethene	120	18000	790	120000
Chlorobenzene	120	Not Detected	530	Not Detected
Ethyl Benzene	120	5600	500	24000
m,p-Xylene	120	22000	500	97000
o-Xylene	120	10000	500	44000
Styrene	120	Not Detected	490	Not Detected
1,1,2,2-Tetrachloroethane	120	Not Detected	800	Not Detected
Bromodichloromethane	120	Not Detected	780	Not Detected
Dibromochloromethane	120	Not Detected	990	Not Detected
Chloromethane	460	Not Detected	960	Not Detected
Acetone	460	680	1100	1600
Carbon Disulfide	460	Not Detected	1400	Not Detected
trans-1,2-Dichloroethene	460	Not Detected	1800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	460	Not Detected	1400	Not Detected
4-Methyl-2-pentanone	460	1200	1900	5100
2-Hexanone	460	Not Detected	1900	Not Detected
Bromoform	460	Not Detected	4800	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07 CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0701137A-04A

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

File Name:	1n115.D	Date of Collection:	1/6/07
Dil. Factor:	2.2	Date of Analysis:	01/15/07 07:00 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

2/7/07
MS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0701137A-05A

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

File Name:	1011510	Date of Collection: 1/9/07
Dil. Factor:	2.68	Date of Analysis: 1/15/07 06:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.3	60	3.4	150
Bromomethane	1.3	Not Detected	5.2	Not Detected
Chloroethane	1.3	14	3.5	38
1,1-Dichloroethene	1.3	130	5.3	510
Methylene Chloride	1.3	35	4.6	120
1,1-Dichloroethane	1.3	6.0	5.4	24
cis-1,2-Dichloroethene	1.3	93	5.3	370
Chloroform	1.3	4.3	6.5	21
1,1,1-Trichloroethane	1.3	37	7.3	200
Carbon Tetrachloride	1.3	0.86 J 15	8.4	5.4 J
Benzene	1.3	88	4.3	280
1,2-Dichloroethane	1.3	1.3 J 15	5.4	5.4
Trichloroethene	1.3	110	7.2	620
1,2-Dichloropropane	1.3	0.63 J 15	6.2	2.9 J
cis-1,3-Dichloropropene	1.3	Not Detected	6.1	Not Detected
Toluene	1.3	350	5.0	1300
trans-1,3-Dichloropropene	1.3	Not Detected	6.1	Not Detected
1,1,2-Trichloroethane	1.3	0.72 J 15	7.3	3.9 J
Tetrachloroethene	1.3	280	9.1	1900
Chlorobenzene	1.3	3.8	6.2	17
Ethyl Benzene	1.3	84	5.8	360
m,p-Xylene	1.3	400	5.8	1700
o-Xylene	1.3	170	5.8	720
Styrene	1.3	12	5.7	52
1,1,2,2-Tetrachloroethane	1.3	Not Detected	9.2	Not Detected
Bromodichloromethane	1.3	Not Detected	9.0	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
Chloromethane	5.4	7.3	11	15
Acetone	5.4	32	13	77
Carbon Disulfide	5.4	12	17	37
trans-1,2-Dichloroethene	5.4	20	21	81
2-Butanone (Methyl Ethyl Ketone)	5.4	50	16	150
4-Methyl-2-pentanone	5.4	35	22	140
2-Hexanone	5.4	3.2 J 15	22	13 J
Bromoform	5.4	Not Detected	55	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0701137A-05A

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

File Name:	1p11510	Date of Collection:	1/6/07
Dil. Factor:	2.58	Date of Analysis:	1/16/07 06:13 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

2/7/07
ORS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0701137A-06A

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

File Name:	1011R06	Date of Collection:	1/9/07
Dil. Factor:	520	Date of Analysis:	1/16/07 02:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	260	Not Detected	660	Not Detected
Bromomethane	260	Not Detected	1000	Not Detected
Chloroethane	260	Not Detected	690	Not Detected
1,1-Dichloroethene	260	610	1000	2400
Methylene Chloride	260	15000	900	51000
1,1-Dichloroethane	260	1700	1000	7000
cis-1,2-Dichloroethene	260	940	1000	3700
Chloroform	260	1200	1300	5600
1,1,1-Trichloroethane	260	14000	1400	78000
Carbon Tetrachloride	260	Not Detected	1600	Not Detected
Benzene	260	7700	830	25000
1,2-Dichloroethane	260	450	1000	1800
Trichloroethene	260	8000	1400	43000
1,2-Dichloropropane	260	490	1200	2300
cis-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
Toluene	260	51000	980	190000
trans-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	260	77 J	1400	420 J
Tetrachloroethene	260	10000	1800	68000
Chlorobenzene	260	Not Detected	1200	Not Detected
Ethyl Benzene	260	6600	1100	29000
m,p-Xylene	260	25000	1100	110000
o-Xylene	260	9000	1100	39000
Styrene	260	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected	1800	Not Detected
Bromodichloromethane	260	Not Detected	1700	Not Detected
Dibromochloromethane	260	Not Detected	2200	Not Detected
Chloromethane	1000	Not Detected	2100	Not Detected
Acetone	1000	16000	2500	39000
Carbon Disulfide	1000	Not Detected	3200	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected	4100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	12000	3100	36000
4-Methyl-2-pentanone	1000	6300	4300	26000
2-Hexanone	1000	200 J	4300	820 J
Bromoform	1000	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0701137A-06A

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

File Name:	1011605	Date of Collection:	1/9/07
Dil. Factor:	5.29	Date of Analysis:	1/16/07 02:15 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	104	70-130

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0701137A-07A

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

File Name: 1011607	Date of Collection: 1/9/07
Dil. Factor: 625	Date of Analysis: 1/16/07 03:16 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	310	Not Detected	800	Not Detected
Bromomethane	310	Not Detected	1200	Not Detected
Chloroethane	310	Not Detected	820	Not Detected
1,1-Dichloroethene	310	490	1200	1900
Methylene Chloride	310	18000	1100	64000
1,1-Dichloroethane	310	2200	1300	9000
cis-1,2-Dichloroethene	310	1200	1200	4600
Chloroform	310	1400	1500	7100
1,1,1-Trichloroethane	310	19000	1700	100000
Carbon Tetrachloride	310	Not Detected	2000	Not Detected
Benzene	310	9900	1000	32000
1,2-Dichloroethane	310	600	1300	2400
Trichloroethene	310	11000	1700	57000
1,2-Dichloropropane	310	490	1400	2300
cis-1,3-Dichloropropene	310	Not Detected	1400	Not Detected
Toluene	310	69000	1200	260000
trans-1,3-Dichloropropene	310	Not Detected	1400	Not Detected
1,1,2-Trichloroethane	310	120 J	1700	670 J
Tetrachloroethene	310	13000	2100	90000
Chlorobenzene	310	Not Detected	1400	Not Detected
Ethyl Benzene	310	8700	1400	38000
m,p-Xylene	310	34000	1400	150000
o-Xylene	310	12000	1400	52000
Styrene	310	Not Detected	1300	Not Detected
1,1,2,2-Tetrachloroethane	310	Not Detected	2100	Not Detected
Bromodichloromethane	310	Not Detected	2100	Not Detected
Dibromochloromethane	310	Not Detected	2700	Not Detected
Chloromethane	1200	Not Detected	2600	Not Detected
Acetone	1200	15000	3000	36000
Carbon Disulfide	1200	Not Detected	3900	Not Detected
trans-1,2-Dichloroethene	1200	Not Detected	5000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1200	12000	3700	36000
4-Methyl-2-pentanone	1200	7700	5100	32000
2-Hexanone	1200	250 J	5100	1000 J
Bromoform	1200	Not Detected	13000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0701137A-07A

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

File Name:	011607	Date of Collection:	1/9/07
Dil. Factor:	625	Date of Analysis:	1/16/07 03:10 PM

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

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0701137A-08A

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

File Name: 1011504	Date of Collection: 1/9/07
Dil. Factor: 13.4	Date of Analysis: 1/15/07 05:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	6.7	29	17	74
Bromomethane	6.7	Not Detected	26	Not Detected
Chloroethane	6.7	13	18	36
1,1-Dichloroethene	6.7	110	26	430
Methylene Chloride	6.7	620	23	2200
1,1-Dichloroethane	6.7	72	27	290
cis-1,2-Dichloroethene	6.7	78	26	310
Chloroform	6.7	51	33	250
1,1,1-Trichloroethane	6.7	600	36	3300
Carbon Tetrachloride	6.7	Not Detected	42	Not Detected
Benzene	6.7	470	21	1500
1,2-Dichloroethane	6.7	18	27	73
Trichloroethene	6.7	370	36	2000
1,2-Dichloropropane	6.7	4.8 J	31	22 J
cis-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
Toluene	6.7	1800	25	6900
trans-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
1,1,2-Trichloroethane	6.7	3.0 J	36	16 J
Tetrachloroethene	6.7	520	45	3500
Chlorobenzene	6.7	2.4 J	31	11 J
Ethyl Benzene	6.7	170	29	740
m,p-Xylene	6.7	620	29	2700
o-Xylene	6.7	230	29	980
Styrene	6.7	69	28	290
1,1,2,2-Tetrachloroethane	6.7	Not Detected	46	Not Detected
Bromodichloromethane	6.7	Not Detected	45	Not Detected
Dibromochloromethane	6.7	Not Detected	57	Not Detected
Chloromethane	27	14 J	55	28 J
Acetone	27	660	64	1600
Carbon Disulfide	27	88	83	270
trans-1,2-Dichloroethene	27	Not Detected	110	Not Detected
2-Butanone (Methyl Ethyl Ketone)	27	350	79	1000
4-Methyl-2-pentanone	27	110	110	440
2-Hexanone	27	7.3 J	110	30 J
Bromoform	27	Not Detected	280	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0701137A-08A

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

File Name:	1011509	Date of Collection:	1/8/07
Dil Factor:	13.4	Date of Analysis:	1/15/07 05:32 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF Duplicate

Lab ID#: 0701137A-08AA

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

File Name:	1011508	Date of Collection: 1/9/07
Dil. Factor:	38.3	Date of Analysis: 1/15/07 04:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	19	27	49	70
Bromomethane	19	Not Detected	74	Not Detected
Chloroethane	19	Not Detected	50	Not Detected
1,1-Dichloroethene	19	96	76	380
Methylene Chloride	19	570	66	2000
1,1-Dichloroethane	19	67	78	270
cis-1,2-Dichloroethene	19	68	76	270
Chloroform	19	49	94	240
1,1,1-Trichloroethane	19	540	100	3000
Carbon Tetrachloride	19	Not Detected	120	Not Detected
Benzene	19	430	61	1400
1,2-Dichloroethane	19	18 J 15	78	75 J
Trichloroethene	19	340	100	1800
1,2-Dichloropropane	19	Not Detected	88	Not Detected
cis-1,3-Dichloropropene	19	Not Detected	87	Not Detected
Toluene	19	1700	72	6500
trans-1,3-Dichloropropene	19	Not Detected	87	Not Detected
1,1,2-Trichloroethane	19	Not Detected	100	Not Detected
Tetrachloroethene	19	490	130	3300
Chlorobenzene	19	Not Detected	88	Not Detected
Ethyl Benzene	19	170	83	740
m,p-Xylene	19	620	83	2700
o-Xylene	19	220	83	970
Styrene	19	68	82	290
1,1,2,2-Tetrachloroethane	19	Not Detected	130	Not Detected
Bromodichloromethane	19	Not Detected	130	Not Detected
Dibromochloromethane	19	Not Detected	160	Not Detected
Chloromethane	77	22 J 15	160	46 J
Acetone	77	590	180	1400
Carbon Disulfide	77	80	240	250
trans-1,2-Dichloroethene	77	Not Detected	300	Not Detected
2-Butanone (Methyl Ethyl Ketone)	77	300	220	900
4-Methyl-2-pentanone	77	88	310	360
2-Hexanone	77	Not Detected	310	Not Detected
Bromoform	77	Not Detected	790	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF Duplicate

Lab ID#: 0701137A-08AA

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

File Name:	1041508	Date of Collection:	1/9/07
Dil. Factor:	38.3	Date of Analysis:	1/15/07 04:22 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

2/7/07
OKS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0701137B-01A

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

File Name:	p011518	Date of Collection: 1/9/07
Dil. Factor:	1.00	Date of Analysis: 1/15/07 03:20 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	3.6 J
bis(2-Chloroethyl) Ether	1.0	4.6
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.6
1,4-Dichlorobenzene	1.0	5.2
1,2-Dichlorobenzene	1.0	46
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	2.1
Naphthalene	1.0	52
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.4
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	11
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

2/7/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0701137B-01A

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

File Name:	p011518	Date of Collection: 1/9/07
Dil. Factor:	1.00	Date of Analysis: 1/15/07 03:20 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	1.4 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
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	54	50-150
Phenol-d5	100	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	76	50-150
Fluorene-d10	87	60-120
Pyrene-d10	90	60-120

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0701137B-01AA

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

File Name:	p011517	Date of Collection:	1/9/07
DIL Factor:	1.00	Date of Analysis:	1/15/07 03:49 PM
		Date of Extraction:	1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	3.6 J K
bis(2-Chloroethyl) Ether	1.0	4.7
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.6
1,4-Dichlorobenzene	1.0	5.4
1,2-Dichlorobenzene	1.0	46
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	35
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	2.2
Naphthalene	1.0	54
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.7
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	11
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

2/7/07 CAS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0701137B-01AA

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

File Name:	p011517	Date of Collection: 1/9/07	
Dil. Factor:	1.00	Date of Analysis: 1/15/07 03:40 PM	
		Date of Extraction: 1/12/07	

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	1.4 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	59	50-150
Phenol-d5	101	50-150
Nitrobenzene-d5	84	50-150
2,4,6-Tribromophenol	77	50-150
Fluorene-d10	89	60-120
Pyrene-d10	94	60-120

2/7/07
CAS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0701137B-02A

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

File Name:	p011914	Date of Collection: 1/9/07
Dil Factor:	1.00	Date of Analysis: 1/15/07 04:16 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	4.6
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	2.5
1,4-Dichlorobenzene	1.0	5.0
1,2-Dichlorobenzene	1.0	18
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	0.57 J 15
Naphthalene	1.0	12
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	6.8
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

2/7/07
MS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0701137B-02A

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

File Name:	pd11518	Date of Collection: 1/6/07
Dil. Factor:	1.00	Date of Analysis: 01/15/07 06:18 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	2.0 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	2.3 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	71	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	65	50-150
Fluorene-d10	86	60-120
Pyrene-d10	90	60-120

2/7/07
OAG

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0701137B-03A

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

File Name:	p111518	Date of Collection: 1/9/07
Dil. Factor:	1.00	Date of Analysis: 1/15/07 04:48 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	3.0
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	2.1
1,4-Dichlorobenzene	1.0	4.3
1,2-Dichlorobenzene	1.0	15
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	1.1
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	Not Detected
Naphthalene	1.0	9.0
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	5.4
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

2/7/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0701137B-03A

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

File Name:	p011518	Date of Collection: 1/8/07
Dil. Factor:	1.00	Date of Analysis: 1/15/07 04:40 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	3.5 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	68	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	68	50-150
Fluorene-d10	86	60-120
Pyrene-d10	91	60-120

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0701137B-05A

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

File Name:	0011521	Date of Collection: 1/9/07	
Dil. Factor:	1.00	Date of Analysis: 1/15/07 05:47 PM	
		Date of Extraction: 1/12/07	

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	0.74 J
Fluorene	1.0	Not Detected

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0701137B-05A

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

File Name: p011521		Date of Collection: 1/9/07
Dil. Factor: 1.00		Date of Analysis: 1/15/07 05:47 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	68	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	*74*	*50-150*
2,4,6-Tribromophenol	72	50-150
Fluorene-d10	85	60-120
Pyrene-d10	88	60-120

2/7/07
UN

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0701137B-06A

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

File Name:	ap11522	Date of Collection:	1/9/07
Dil. Factor:	1.00	Date of Analysis:	01/15/07 06:16 PM
		Date of Extraction:	1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	23
bis(2-Chloroethyl) Ether	1.0	1.8
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	3.2
2-Methylphenol (o-Cresol)	5.0	9.6
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	32
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	59
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	11
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	3.0
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.71 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	Not Detected
Fluorene	1.0	Not Detected

2/7/07 CNS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0701137B-06A

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

File Name:	p011522	Date of Collection: 1/9/07
Dil. Factor:	1.00	Date of Analysis: 1/15/07 06:18 PM
		Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	102	50-150
Nitrobenzene-d5	81	50-150
2,4,6-Tribromophenol	78	50-150
Fluorene-d10	88	60-120
Pyrene-d10	90	60-120

2/7/07
OHS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0701137B-08A

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

File Name:	p011523	Date of Collection:	1/8/07
Dil. Factor:	1.00	Date of Analysis:	1/15/07 06:48 PM
		Date of Extraction:	1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	1.3
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	1.8
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	1.6
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

2/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0701137B-08A

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

File Name: p011523
Dil. Factor: 7.00

Date of Collection: 1/8/07
Date of Analysis: 1/15/07 08:46 PM
Date of Extraction: 1/12/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	1.5 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	3.1 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	65	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	72	50-150
Fluorene-d10	83	60-120
Pyrene-d10	84	60-120

2/7/07
US

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

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

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

Page 1 of 1

Project Manager: CHRIS DALY
Collected by: (Print and Sign) Kevin Falvey/[signature]
Company: MWH Email:
Address: 175 W. Jackson City: CHICAGO State: Il Zip: 60604
Phone: 312 831 3415 Fax: 312 831.3021

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

Turn Around Time: ☒ Normal ☐ Rush ____ specify

Lab Use Only
Pressurized by: BS
Date: 1/11/07
Pressurization Gas: N He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	1 OFFSite ISVE	3086	1.9.07	13:43	TO13/14 SUMA Can + SORB TUBE	-29.5	0	12.0"Hg	5.0 psi
02A	2 SBPA ISVE	3066		13:45		-30		0.0"Hg	
03A	3 TOX 1 Inf	9564		14:06		-29.5		0.0"Hg	
04A	4 TOX 1 Inf Dup	2647		14:08		-29		1.0"Hg	
05A	5 TOX 1 Eff	3438		14:27		-29.5		0.0"Hg	
06A	6 TOX 2 Inf	2452		14:40		-29.5		0.4 psi	
07A	7 TOX 2 Inf Dup	3039		14:43	*NO SORB TUBE	-28		1.0"Hg	
08A	8 TOX 2 Eff	2650	1.9.07	15:00	TO13/14 SUMA Can + SORB TUBE	-28		0.0"Hg	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	1.9.07 15:15	FED EX	
FED EX		[signature]	1/10/07 0830

Notes:
SAMPLE #7 BAD SORB TUBE
- MEDIA POURED OUT END.
- NO SORB TUBE ON #7

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex	8606 5868 5016	NA	good	Yes No (None)	0701137

Form 1293 rev.11

February 15, 2007 Off-Gas Sample Laboratory Results

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0702323A-01A

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

File Name:	7022711	Date of Collection: 2/15/07
Dil Factor:	352	Date of Analysis: 2/27/07 05:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	180	150 J	450	380 J
Bromomethane	180	Not Detected	680	Not Detected
Chloroethane	180	Not Detected	460	Not Detected
1,1-Dichloroethene	180	200	700	790
Methylene Chloride	180	24000	610	83000
1,1-Dichloroethane	180	2800	710	11000
cis-1,2-Dichloroethene	180	1200	700	4700
Chloroform	180	1500	860	7200
1,1,1-Trichloroethane	180	20000	960	110000
Carbon Tetrachloride	180	Not Detected	1100	Not Detected
Benzene	180	9400	560	30000
1,2-Dichloroethane	180	630	710	2600
Trichloroethene	180	11000	940	57000
1,2-Dichloropropane	180	140 J	810	660 J
cis-1,3-Dichloropropene	180	Not Detected	800	Not Detected
Toluene	180	59000	660	220000
trans-1,3-Dichloropropene	180	Not Detected	800	Not Detected
1,1,2-Trichloroethane	180	Not Detected	960	Not Detected
Tetrachloroethene	180	8600	1200	58000
Chlorobenzene	180	Not Detected	810	Not Detected
Ethyl Benzene	180	4400	760	19000
m,p-Xylene	180	16000	760	71000
o-Xylene	180	5900	760	26000
Styrene	180	Not Detected	750	Not Detected
1,1,2,2-Tetrachloroethane	180	Not Detected	1200	Not Detected
Bromodichloromethane	180	Not Detected	1200	Not Detected
Dibromochloromethane	180	Not Detected	1500	Not Detected
Chloromethane	700	Not Detected	1400	Not Detected
Acetone	700	13000	1700	32000
Carbon Disulfide	700	240 J	2200	740 J
trans-1,2-Dichloroethene	700	Not Detected	2800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	700	10000	2100	30000
4-Methyl-2-pentanone	700	4300	2900	18000
2-Hexanone	700	120 J	2900	510 J
Bromoform	700	Not Detected	7300	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CTS 3/14/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0702323A-01A

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

File Name:	702214	Date of Collection:	2/15/07
Dil. Factor:	362	Date of Analysis:	2/27/07 05:05 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

CPG
3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0702323A-02A

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

File Name:	7022706	Date of Collection: 2/15/07
Dil. Factor:	1.34	Date of Analysis: 2/27/07 01:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	9.2	1.7	23
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	5.0	1.8	13
1,1-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Methylene Chloride	0.67	15	2.3	53
1,1-Dichloroethane	0.67	4.5	2.7	18
cis-1,2-Dichloroethene	0.67	28	2.6	110
Chloroform	0.67	1.4	3.3	7.0
1,1,1-Trichloroethane	0.67	6.7	3.6	37
Carbon Tetrachloride	0.67	Not Detected	4.2	Not Detected
Benzene	0.67	8.4	2.1	27
1,2-Dichloroethane	0.67	0.69	2.7	2.8
Trichloroethene	0.67	15	3.6	79
1,2-Dichloropropane	0.67	0.18 J	3.1	0.85 J
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	140	2.5	520
trans-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.67	Not Detected	3.6	Not Detected
Tetrachloroethene	0.67	29	4.5	190
Chlorobenzene	0.67	0.28 J	3.1	1.3 J
Ethyl Benzene	0.67	34	2.9	140
m,p-Xylene	0.67	160	2.9	720
o-Xylene	0.67	86	2.9	370
Styrene	0.67	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.67	Not Detected	4.6	Not Detected
Bromodichloromethane	0.67	Not Detected	4.5	Not Detected
Dibromochloromethane	0.67	Not Detected	5.7	Not Detected
Chloromethane	2.7	Not Detected	5.5	Not Detected
Acetone	2.7	59	6.4	140
Carbon Disulfide	2.7	Not Detected	8.3	Not Detected
trans-1,2-Dichloroethene	2.7	0.44 J	11	1.7 J
2-Butanone (Methyl Ethyl Ketone)	2.7	38	7.9	110
4-Methyl-2-pentanone	2.7	14	11	57
2-Hexanone	2.7	1.2 J	11	5.0 J
Bromoform	2.7	Not Detected	28	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 3/14/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0702323A-02A

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

File Name:	1023108	Date of Collection:	2/15/07
Dil Factor:	1.34	Date of Analysis:	2/27/07 01:16 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	106	70-130

CRS
3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0702323A-03A

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

File Name: 1022707	Date of Collection: 2/15/07
Dil. Factor: 52.0	Date of Analysis: 2/27/07 01:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	26	950	66	2400
Bromomethane	26	Not Detected	100	Not Detected
Chloroethane	26	820	69	2200
1,1-Dichloroethene	26	12 J	100	48 J
Methylene Chloride	26	47	90	160
1,1-Dichloroethane	26	360	100	1500
cis-1,2-Dichloroethene	26	7900	100	31000
Chloroform	26	18 J	130	88 J
1,1,1-Trichloroethane	26	210	140	1100
Carbon Tetrachloride	26	Not Detected	160	Not Detected
Benzene	26	5800	83	19000
1,2-Dichloroethane	26	Not Detected	100	Not Detected
Trichloroethene	26	47	140	250
1,2-Dichloropropane	26	21 J	120	99 J
cis-1,3-Dichloropropene	26	Not Detected	120	Not Detected
Toluene	26	4800	98	18000
trans-1,3-Dichloropropene	26	Not Detected	120	Not Detected
1,1,2-Trichloroethane	26	Not Detected	140	Not Detected
Tetrachloroethene	26	42	180	280
Chlorobenzene	26	17 J	120	79 J
Ethyl Benzene	26	680	110	2900
m,p-Xylene	26	2800	110	12000
o-Xylene	26	1400	110	6000
Styrene	26	Not Detected	110	Not Detected
1,1,2,2-Tetrachloroethane	26	16 J	180	110 J
Bromodichloromethane	26	Not Detected	170	Not Detected
Dibromochloromethane	26	Not Detected	220	Not Detected
Chloromethane	100	Not Detected	210	Not Detected
Acetone	100	300	250	710
Carbon Disulfide	100	Not Detected	320	Not Detected
trans-1,2-Dichloroethene	100	24 J	410	94 J
2-Butanone (Methyl Ethyl Ketone)	100	200	310	580
4-Methyl-2-pentanone	100	42 J	430	170 J
2-Hexanone	100	Not Detected	430	Not Detected
Bromoform	100	Not Detected	1100	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0702323A-03A

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

File Name:	022707	Date of Collection:	2/14/07
Dil. Factor:	32.0	Date of Analysis:	2/27/07 04:56 PM

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

CMS
3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0702323A-04A

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

File Name:	7022708	Date of Collection:	2/15/07
Dil. Factor:	65.0	Date of Analysis:	2/27/07 02:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	32	1100	83	2700
Bromomethane	32	Not Detected	130	Not Detected
Chloroethane	32	860	86	2300
1,1-Dichloroethene	32	14 J /J	130	54 J
Methylene Chloride	32	33	110	110
1,1-Dichloroethane	32	360	130	1500
cis-1,2-Dichloroethene	32	7800	130	31000
Chloroform	32	16 J /J	160	78 J
1,1,1-Trichloroethane	32	190	180	1000
Carbon Tetrachloride	32	Not Detected	200	Not Detected
Benzene	32	5800	100	18000
1,2-Dichloroethane	32	Not Detected	130	Not Detected
Trichloroethene	32	39	170	210
1,2-Dichloropropane	32	21 J /J	150	96 J
cis-1,3-Dichloropropene	32	Not Detected	150	Not Detected
Toluene	32	4700	120	18000
trans-1,3-Dichloropropene	32	Not Detected	150	Not Detected
1,1,2-Trichloroethane	32	Not Detected	180	Not Detected
Tetrachloroethene	32	32	220	220
Chlorobenzene	32	18 J /J	150	84 J
Ethyl Benzene	32	670	140	2900
m,p-Xylene	32	2800	140	12000
o-Xylene	32	1300	140	5800
Styrene	32	Not Detected	140	Not Detected
1,1,2,2-Tetrachloroethane	32	18 J /J	220	120 J
Bromodichloromethane	32	Not Detected	220	Not Detected
Dibromochloromethane	32	Not Detected	280	Not Detected
Chloromethane	130	Not Detected	270	Not Detected
Acetone	130	60 J /J	310	140 J
Carbon Disulfide	130	Not Detected	400	Not Detected
trans-1,2-Dichloroethene	130	25 J /J	520	99 J
2-Butanone (Methyl Ethyl Ketone)	130	140	380	420
4-Methyl-2-pentanone	130	26 J /J	530	100 J
2-Hexanone	130	Not Detected	530	Not Detected
Bromoform	130	Not Detected	1300	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CRS
3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0702323A-04A

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

File Name:	7022709	Date of Collection:	2/15/07
Dil. Factor:	5.5	Date of Analysis:	2/27/07 02:53 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	104	70-130

CMS
3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP Duplicate

Lab ID#: 0702323A-04AA

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

File Name:	7843712	Date of Collection: 2/15/07
Dil. Factor:	65.0	Date of Analysis: 2/27/07 05:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	32	1100	83	2700
Bromomethane	32	Not Detected	130	Not Detected
Chloroethane	32	840	86	2200
1,1-Dichloroethene	32	15 J	130	59 J
Methylene Chloride	32	74	110	260
1,1-Dichloroethane	32	370	130	1500
cis-1,2-Dichloroethene	32	7800	130	31000
Chloroform	32	19 J	160	94 J
1,1,1-Trichloroethane	32	230	180	1200
Carbon Tetrachloride	32	Not Detected	200	Not Detected
Benzene	32	5700	100	18000
1,2-Dichloroethane	32	Not Detected	130	Not Detected
Trichloroethene	32	53	170	280
1,2-Dichloropropane	32	22 J	150	100 J
cis-1,3-Dichloropropene	32	Not Detected	150	Not Detected
Toluene	32	4700	120	18000
trans-1,3-Dichloropropene	32	Not Detected	150	Not Detected
1,1,2-Trichloroethane	32	Not Detected	180	Not Detected
Tetrachloroethene	32	41	220	280
Chlorobenzene	32	16 J	150	74 J
Ethyl Benzene	32	650	140	2800
m,p-Xylene	32	2700	140	12000
o-Xylene	32	1300	140	5700
Styrene	32	Not Detected	140	Not Detected
1,1,2,2-Tetrachloroethane	32	15 J	220	100 J
Bromodichloromethane	32	Not Detected	220	Not Detected
Dibromochloromethane	32	Not Detected	280	Not Detected
Chloromethane	130	Not Detected	270	Not Detected
Acetone	130	74 J	310	180 J
Carbon Disulfide	130	Not Detected	400	Not Detected
trans-1,2-Dichloroethene	130	32 J	520	130 J
2-Butanone (Methyl Ethyl Ketone)	130	150	380	440
4-Methyl-2-pentanone	130	34 J	530	140 J
2-Hexanone	130	Not Detected	530	Not Detected
Bromoform	130	Not Detected	1300	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 3/14/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP Duplicate

Lab ID#: 0702323A-04AA

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

File Name:	7023712	Date of Collection:	2/15/07
Dil. Factor:	65.0	Date of Analysis:	2/27/07 0:44 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	102	70-130

CMS
3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0702323A-05A

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

File Name: 7022713	Date of Collection: 2/15/07
Dil. Factor: 1.32	Date of Analysis: 2/27/07 06:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.66	28	1.7	70
Bromomethane	0.66	Not Detected	2.6	Not Detected
Chloroethane	0.66	3.8	1.7	10
1,1-Dichloroethene	0.66	2.1	2.6	8.3
Methylene Chloride	0.66	3.0	2.3	10
1,1-Dichloroethane	0.66	2.0	2.7	8.2
cis-1,2-Dichloroethene	0.66	68	2.6	270
Chloroform	0.66	2.2	3.2	10
1,1,1-Trichloroethane	0.66	9.1	3.6	50
Carbon Tetrachloride	0.66	0.17 J	4.2	1.1 J
Benzene	0.66	26	2.1	82
1,2-Dichloroethane	0.66	Not Detected	2.7	Not Detected
Trichloroethene	0.66	7.8	3.5	42
1,2-Dichloropropane	0.66	0.22 J	3.0	1.0 J
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
Toluene	0.66	73	2.5	280
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Tetrachloroethene	0.66	11	4.5	77
Chlorobenzene	0.66	0.35 J	3.0	1.6 J
Ethyl Benzene	0.66	15	2.9	67
m,p-Xylene	0.66	68	2.9	290
o-Xylene	0.66	25	2.9	110
Styrene	0.66	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.66	Not Detected	4.5	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
Dibromochloromethane	0.66	Not Detected	5.6	Not Detected
Chloromethane	2.6	Not Detected	5.4	Not Detected
Acetone	2.6	48	6.3	110
Carbon Disulfide	2.6	1.7 J	8.2	5.3 J
trans-1,2-Dichloroethene	2.6	2.0 J	10	7.9 J
2-Butanone (Methyl Ethyl Ketone)	2.6	16	7.8	46
4-Methyl-2-pentanone	2.6	4.9	11	20
2-Hexanone	2.6	0.80 J	11	3.3 J
Bromoform	2.6	Not Detected	27	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

ORS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0702323A-05A

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

File Name:	702271s	Date of Collection:	2/15/07
Dil. Factor:	1.22	Date of Analysis:	2/27/07 08:23 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	108	70-130

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0702323A-06A

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

File Name:	7022744		Date of Collection: 2/15/07	
Dil. Factor:	347		Date of Analysis: 2/27/07 07:07 PM	
Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
Vinyl Chloride	170	150 J /5	440	370 J
Bromomethane	170	Not Detected	670	Not Detected
Chloroethane	170	Not Detected	460	Not Detected
1,1-Dichloroethene	170	180	690	690
Methylene Chloride	170	24000	600	82000
1,1-Dichloroethane	170	2800	700	11000
cis-1,2-Dichloroethene	170	1200	690	4600
Chloroform	170	1500	850	7200
1,1,1-Trichloroethane	170	20000	950	110000
Carbon Tetrachloride	170	Not Detected	1100	Not Detected
Benzene	170	9200	550	29000
1,2-Dichloroethane	170	590	700	2400
Trichloroethene	170	10000	930	54000
1,2-Dichloropropane	170	150 J /5	800	690 J
cis-1,3-Dichloropropene	170	Not Detected	790	Not Detected
Toluene	170	54000	650	200000
trans-1,3-Dichloropropene	170	Not Detected	790	Not Detected
1,1,2-Trichloroethane	170	Not Detected	950	Not Detected
Tetrachloroethene	170	8000	1200	54000
Chlorobenzene	170	Not Detected	800	Not Detected
Ethyl Benzene	170	3800	750	17000
m,p-Xylene	170	14000	750	61000
o-Xylene	170	5000	750	22000
Styrene	170	Not Detected	740	Not Detected
1,1,2,2-Tetrachloroethane	170	Not Detected	1200	Not Detected
Bromodichloromethane	170	Not Detected	1200	Not Detected
Dibromochloromethane	170	Not Detected	1500	Not Detected
Chloromethane	690	Not Detected	1400	Not Detected
Acetone	690	12000	1600	30000
Carbon Disulfide	690	230 J /5	2200	720 J
trans-1,2-Dichloroethene	690	Not Detected	2800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	690	9600	2000	28000
4-Methyl-2-pentanone	690	4000	2800	16000
2-Hexanone	690	110 J /5	2800	450 J
Bromoform	690	Not Detected	7200	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0702323A-06A

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

File Name:	7022714	Date of Collection:	2/15/07
Dil. Factor:	3.43	Date of Analysis:	2/27/07 07:07 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0702323A-07A

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

File Name:	7022313	Date of Collection: 2/13/07
Dil. Factor:	400	Date of Analysis: 2/27/07 06:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	200	140 J /5	510	350 J
Bromomethane	200	Not Detected	780	Not Detected
Chloroethane	200	Not Detected	530	Not Detected
1,1-Dichloroethene	200	190 J /5	790	740 J
Methylene Chloride	200	26000	690	92000
1,1-Dichloroethane	200	2800	810	11000
cis-1,2-Dichloroethene	200	1200	790	4700
Chloroform	200	1400	980	7000
1,1,1-Trichloroethane	200	20000	1100	110000
Carbon Tetrachloride	200	Not Detected	1200	Not Detected
Benzene	200	9000	640	29000
1,2-Dichloroethane	200	600	810	2400
Trichloroethene	200	9800	1100	53000
1,2-Dichloropropane	200	160 J /5	920	730 J
cis-1,3-Dichloropropene	200	Not Detected	910	Not Detected
Toluene	200	55000	750	210000
trans-1,3-Dichloropropene	200	Not Detected	910	Not Detected
1,1,2-Trichloroethane	200	Not Detected	1100	Not Detected
Tetrachloroethene	200	7800	1400	53000
Chlorobenzene	200	Not Detected	920	Not Detected
Ethyl Benzene	200	3800	870	17000
m,p-Xylene	200	14000	870	60000
o-Xylene	200	4900	870	21000
Styrene	200	Not Detected	850	Not Detected
1,1,2,2-Tetrachloroethane	200	Not Detected	1400	Not Detected
Bromodichloromethane	200	Not Detected	1300	Not Detected
Dibromochloromethane	200	Not Detected	1700	Not Detected
Chloromethane	800	Not Detected	1600	Not Detected
Acetone	800	12000	1900	30000
Carbon Disulfide	800	290 J /5	2500	900 J
trans-1,2-Dichloroethene	800	Not Detected	3200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	800	9900	2400	29000
4-Methyl-2-pentanone	800	4000	3300	16000
2-Hexanone	800	98 J /5	3300	400 J
Bromoform	800	Not Detected	8300	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0702323A-07A

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

File Name:	7022715	Date of Collection:	2/7/07
Dil. Factor:	4.00	Date of Analysis:	2/27/07 08:06 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	107	70-130

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3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0702323A-08A

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

File Name:	7022718	Date of Collection:	2/15/07
Dil. Factor:	10.9	Date of Analysis:	2/27/07 08:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	5.4	91	14	230
Bromomethane	5.4	Not Detected	21	Not Detected
Chloroethane	5.4	10	14	26
1,1-Dichloroethene	5.4	330	22	1300
Methylene Chloride	5.4	750	19	2600
1,1-Dichloroethane	5.4	72	22	290
cis-1,2-Dichloroethene	5.4	220	22	870
Chloroform	5.4	42	27	210
1,1,1-Trichloroethane	5.4	440	30	2400
Carbon Tetrachloride	5.4	Not Detected	34	Not Detected
Benzene	5.4	560	17	1800
1,2-Dichloroethane	5.4	19	22	79
Trichloroethene	5.4	390	29	2100
1,2-Dichloropropane	5.4	4.2 J /5	25	19 J
cis-1,3-Dichloropropene	5.4	Not Detected	25	Not Detected
Toluene	5.4	1900	20	7100
trans-1,3-Dichloropropene	5.4	Not Detected	25	Not Detected
1,1,2-Trichloroethane	5.4	Not Detected	30	Not Detected
Tetrachloroethene	5.4	500	37	3400
Chlorobenzene	5.4	3.1 J /5	25	14 J
Ethyl Benzene	5.4	160	24	680
m,p-Xylene	5.4	550	24	2400
o-Xylene	5.4	230	24	990
Styrene	5.4	100	23	430
1,1,2,2-Tetrachloroethane	5.4	2.0 J /5	37	14 J
Bromodichloromethane	5.4	Not Detected	36	Not Detected
Dibromochloromethane	5.4	Not Detected	46	Not Detected
Chloromethane	22	18 J /5	45	38 J
Acetone	22	630	52	1500
Carbon Disulfide	22	Not Detected	68	Not Detected
trans-1,2-Dichloroethene	22	7.5 J /5	86	30 J
2-Butanone (Methyl Ethyl Ketone)	22	390	64	1200
4-Methyl-2-pentanone	22	110	89	470
2-Hexanone	22	5.1 J /5	89	21 J
Bromoform	22	Not Detected	220	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0702323A-08A

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

File Name:	1022115	Date of Collection: 2/14/07	
Dil Factor:	10.9	Date of Analysis: 2/27/07 08:53 PM	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	106	70-130

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0702323B-01A

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

File Name:	p022114	Date of Collection: 2/15/07
Dil.Factor:	1.04	Date of Analysis: 2/22/07 06:19 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	1.2
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	1.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	1.2
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

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0702323B-01A

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

File Name:	p022314	Date of Collection: 2/15/07
Dil Factor:	1.00	Date of Analysis: 2/23/07 08:16 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	2.4 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	70	50-150
Phenol-d5	89	50-150
Nitrobenzene-d5	73	50-150
2,4,6-Tribromophenol	83	50-150
Fluorene-d10	78	60-120
Pyrene-d10	91	60-120

OMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0702323B-01AA

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

File Name:	p022515	Date of Collection:	2/15/07
Dil. Factor:	1.00	Date of Analysis:	2/23/07 08:48 PM
		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	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	1.1
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	1.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	1.2
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

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0702323B-01AA

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

File Name:	p022315	Date of Collection:	2/15/07
Dil. Factor:	1.00	Date of Analysis:	2/23/07 08:48 PM
		Date of Extraction:	2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	2.5 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	72	50-150
Phenol-d5	92	50-150
Nitrobenzene-d5	71	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	78	60-120
Pyrene-d10	91	60-120

CRS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0702323B-02A

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

File Name:	p022318	Date of Collection: 2/16/07
DF: Factor:	1.00	Date of Analysis: 2/23/07 07:17 PM
		Date of Extraction: 2/22/07

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	0.80 J
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	0.99 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	4.1 J
Fluorene	1.0	Not Detected

CDS 3/14/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0702323B-02A

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

File Name:	n072216	Date of Collection: 2/15/07
Dil. Factor:	1.00	Date of Analysis: 2/23/07 07:17 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	3.2 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	6.8
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	68	50-150
Phenol-d5	89	50-150
Nitrobenzene-d5	67	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	74	60-120
Pyrene-d10	83	60-120

CRS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0702323B-03A

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

File Name: 0022317	Date of Collection: 2/15/07
DIL Factor: 1.00	Date of Analysis: 2/23/07 07:47 PM
	Date of Extraction: 2/22/07

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	0.94 J
1,2-Dichlorobenzene	1.0	3.8
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	4.3
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	3.0
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected

CTS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0702323B-03A

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

File Name:	b022317	Date of Collection: 2/15/07
Dil Factor:	1.00	Date of Analysis: 2/23/07 01:42 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	3.6 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	71	50-150
Phenol-d5	94	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	82	60-120
Pyrene-d10	88	60-120

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0702323B-04A

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

File Name:	p022318	Date of Collection: 2/15/07
Dil. Factor:	1.00	Date of Analysis: 2/23/07 08:16 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	1.2
1,2-Dichlorobenzene	1.0	5.2
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	0.62 J /T
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	5.7
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	4.1
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	0.85 J /T
Fluorene	1.0	Not Detected

ERG 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0702323B-04A

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

File Name:	p022318	Date of Collection: 2/15/07
Dil. Factor:	1.00	Date of Analysis: 2/21/07 08:18 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	0.92 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	71	50-150
Phenol-d5	94	50-150
Nitrobenzene-d5	72	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	80	60-120
Pyrene-d10	85	60-120

CRS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0702323B-05A

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

File Name:	p022318	Date of Collection: 2/15/07	
Dil. Factor:	1.00	Date of Analysis: 2/23/07 08:48 PM	
		Date of Extraction: 2/22/07	

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

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0702323B-05A

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

File Name:	p022513	Date of Collection:	2/15/07
Dil. Factor:	1.00	Date of Analysis:	2/23/07 08:46 PM
		Date of Extraction:	2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	0.93 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	7.4
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	102	50-150
Nitrobenzene-d5	75	50-150
2,4,6-Tribromophenol	87	50-150
Fluorene-d10	81	60-120
Pyrene-d10	86	60-120

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0702323B-06A

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

File Name:	s022320	Date of Collection: 2/15/07	
Dil. Factor:	1.00	Date of Analysis: 2/23/07 09:15 PM	
		Date of Extraction: 2/22/07	

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

3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0702323B-06A

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

File Name:	p022320	Date of Collection: 2/15/07
Dil. Factor:	1.00	Date of Analysis: 2/23/07 09:15 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	6.3
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	71	50-150
Phenol-d5	92	50-150
Nitrobenzene-d5	70	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	78	60-120
Pyrene-d10	85	60-120

CRS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0702323B-07A

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

File Name:	p022321	Date of Collection:	2/15/07
Dil. Factor:	1.00	Date of Analysis:	2/23/07 09:42 PM
		Date of Extraction:	2/22/07

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	3.5 J
Fluorene	1.0	Not Detected

CPS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0702323B-07A

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

File Name:	p022121	Date of Collection: 2/15/07
Dil. Factor:	1.00	Date of Analysis: 2/22/07 09:48 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	0.78 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	1.9 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	66	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	64	50-150
2,4,6-Tribromophenol	71	50-150
Fluorene-d10	70	60-120
Pyrene-d10	73	60-120

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0702323B-08A

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

File Name:	p022321	Date of Collection: 2/13/07
Dil Factor:	1.00	Date of Analysis: 2/23/07 10:14 PM
		Date of Extraction: 2/22/07

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

CMS 3/14/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0702323B-08A

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

File Name:	p072322	Date of Collection: 2/15/07
Dil Factor:	1.00	Date of Analysis: 2/23/07 10:14 PM
		Date of Extraction: 2/22/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	2.2 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	16 Q	50-150
Phenol-d5	20 Q	50-150
Nitrobenzene-d5	16 Q	50-150
2,4,6-Tribromophenol	14 Q	50-150
Fluorene-d10	17 Q	60-120
Pyrene-d10	14 Q	60-120

CPS 3/14/07

March 15, 2007 Off-Gas Sample Laboratory Results

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0703383AR1-01A

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

File Name: 8032708	Date of Collection: 3/15/07
Dil Factor: 436	Date of Analysis: 3/27/07 04:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	270	680	690
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	Not Detected	710	Not Detected
1,1-Dichloroethene	270	150 J	1100	590 J
Methylene Chloride	270	35000	930	120000
1,1-Dichloroethane	270	4000	1100	16000
cis-1,2-Dichloroethene	270	1400	1100	5400
Chloroform	270	1700	1300	8400
1,1,1-Trichloroethane	270	23000	1500	130000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	13000	860	41000
1,2-Dichloroethane	270	730	1100	2900
Trichloroethene	270	15000	1400	79000
1,2-Dichloropropane	270	260 J	1200	1200
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	100000	1000	390000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	16000	1800	110000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	10000	1200	46000
m,p-Xylene	270	44000	1200	190000
o-Xylene	270	16000	1200	70000
Styrene	270	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	270	Not Detected	1800	Not Detected
Bromodichloromethane	270	Not Detected	1800	Not Detected
Dibromochloromethane	270	Not Detected	2300	Not Detected
Chloromethane	1100	Not Detected	2200	Not Detected
Acetone	1100	23000	2500	55000
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	16000	3200	46000
4-Methyl-2-pentanone	1100	7600	4400	31000
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0703383AR1-01A

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

File Name:	8032708	Date of Collection:	3/15/07
Dil. Factor:	538	Date of Analysis:	3/27/07 04:08 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	92	70-130

4/27/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0703383AR1-01AA

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

File Name: 1032709	Date of Collection: 3/1/07
Dil. Factor: 336	Date of Analysis: 3/2/07 04:35 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	270	680	680
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	Not Detected	710	Not Detected
1,1-Dichloroethene	270	160 J	1100	620 J
Methylene Chloride	270	32000	930	110000
1,1-Dichloroethane	270	3800	1100	16000
cis-1,2-Dichloroethene	270	1300	1100	5100
Chloroform	270	1700	1300	8100
1,1,1-Trichloroethane	270	22000	1500	120000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	12000	860	40000
1,2-Dichloroethane	270	720	1100	2900
Trichloroethene	270	15000	1400	80000
1,2-Dichloropropane	270	210 J	1200	960 J
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	100000	1000	400000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	17000	1800	110000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	12000	1200	51000
m,p-Xylene	270	45000	1200	200000
o-Xylene	270	17000	1200	74000
Styrene	270	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	270	Not Detected	1800	Not Detected
Bromodichloromethane	270	Not Detected	1800	Not Detected
Dibromochloromethane	270	Not Detected	2300	Not Detected
Chloromethane	1100	Not Detected	2200	Not Detected
Acetone	1100	21000	2500	50000
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	16000	3200	46000
4-Methyl-2-pentanone	1100	8000	4400	33000
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07
CLS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Duplicate

Lab ID#: 0703383AR1-01AA

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

File Name:	8032709	Date of Collection:	3/15/07
Dil. Factor:	538	Date of Analysis:	3/27/07 04:35 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0703383AR1-02A

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

File Name:	8032710	Date of Collection: 3/15/07
Dil. Factor:	264	Date of Analysis: 3/27/07 05:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	1900	340	4900
Bromomethane	130	Not Detected	510	Not Detected
Chloroethane	130	500	350	1300
1,1-Dichloroethene	130	160	520	650
Methylene Chloride	130	4700	460	16000
1,1-Dichloroethane	130	2200	530	8800
cis-1,2-Dichloroethene	130	14000	520	57000
Chloroform	130	4100	640	20000
1,1,1-Trichloroethane	130	16000	720	88000
Carbon Tetrachloride	130	Not Detected	830	Not Detected
Benzene	130	2700	420	8600
1,2-Dichloroethane	130	400	530	1600
Trichloroethene	130	12000	710	62000
1,2-Dichloropropane	130	240	610	1100
cis-1,3-Dichloropropene	130	Not Detected	600	Not Detected
Toluene	130	26000	500	100000
trans-1,3-Dichloropropene	130	Not Detected	600	Not Detected
1,1,2-Trichloroethane	130	Not Detected	720	Not Detected
Tetrachloroethene	130	19000	900	130000
Chlorobenzene	130	44 J 15	610	200 J
Ethyl Benzene	130	4600	570	20000
m,p-Xylene	130	18000	570	78000
o-Xylene	130	8600	570	37000
Styrene	130	Not Detected	560	Not Detected
1,1,2,2-Tetrachloroethane	130	Not Detected	910	Not Detected
Bromodichloromethane	130	Not Detected	880	Not Detected
Dibromochloromethane	130	Not Detected	1100	Not Detected
Chloromethane	530	Not Detected	1100	Not Detected
Acetone	530	720	1200	1700
Carbon Disulfide	530	Not Detected	1600	Not Detected
trans-1,2-Dichloroethene	530	140 J 15	2100	540 J
2-Butanone (Methyl Ethyl Ketone)	530	600	1600	1800
4-Methyl-2-pentanone	530	1000	2200	4100
2-Hexanone	530	Not Detected	2200	Not Detected
Bromoform	530	Not Detected	5400	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0703383AR1-02A

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

File Name:	8032710	Date of Collection:	3/15/07
Dil. Factor:	264	Date of Analysis:	3/27/07 05:03 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0703383AR1-03A

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

File Name:	8032711	Date of Collection: 3/15/07
Dil. Factor:	264	Date of Analysis: 3/27/07 05:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	1800	340	4700
Bromomethane	130	Not Detected	510	Not Detected
Chloroethane	130	390	350	1000
1,1-Dichloroethene	130	160	520	650
Methylene Chloride	130	4800	460	16000
1,1-Dichloroethane	130	2200	530	8900
cis-1,2-Dichloroethene	130	14000	520	57000
Chloroform	130	4300	640	21000
1,1,1-Trichloroethane	130	17000	720	94000
Carbon Tetrachloride	130	Not Detected	830	Not Detected
Benzene	130	2800	420	8900
1,2-Dichloroethane	130	450	530	1800
Trichloroethene	130	12000	710	63000
1,2-Dichloropropane	130	200	610	940
cis-1,3-Dichloropropene	130	Not Detected	600	Not Detected
Toluene	130	28000	500	100000
trans-1,3-Dichloropropene	130	Not Detected	600	Not Detected
1,1,2-Trichloroethane	130	Not Detected	720	Not Detected
Tetrachloroethene	130	20000	900	140000
Chlorobenzene	130	61 J 15	610	280 J
Ethyl Benzene	130	4900	570	21000
m,p-Xylene	130	19000	570	82000
o-Xylene	130	8700	570	38000
Styrene	130	Not Detected	560	Not Detected
1,1,2,2-Tetrachloroethane	130	Not Detected	910	Not Detected
Bromodichloromethane	130	Not Detected	880	Not Detected
Dibromochloromethane	130	Not Detected	1100	Not Detected
Chloromethane	530	Not Detected	1100	Not Detected
Acetone	530	870	1200	2100
Carbon Disulfide	530	Not Detected	1600	Not Detected
trans-1,2-Dichloroethene	530	160 J 15	2100	640 J
2-Butanone (Methyl Ethyl Ketone)	530	570	1600	1700
4-Methyl-2-pentanone	530	810	2200	3300
2-Hexanone	530	Not Detected	2200	Not Detected
Bromoform	530	Not Detected	5400	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0703383AR1-03A

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

File Name:	0032711	Date of Collection:	3/15/07
Dil. Factor:	2.64	Date of Analysis:	3/27/07 05:31 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130

4/27/07
CBS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0703383AR1-04A

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

File Name: 0032712	Date of Collection: 4/19/07
Dil Factor: 268	Date of Analysis: 4/27/07 05:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	1900	340	4800
Bromomethane	130	Not Detected	520	Not Detected
Chloroethane	130	470	350	1200
1,1-Dichloroethene	130	140	530	560
Methylene Chloride	130	4900	460	17000
1,1-Dichloroethane	130	2100	540	8500
cis-1,2-Dichloroethene	130	14000	530	56000
Chloroform	130	4200	650	21000
1,1,1-Trichloroethane	130	17000	730	92000
Carbon Tetrachloride	130	Not Detected	840	Not Detected
Benzene	130	2700	430	8700
1,2-Dichloroethane	130	450	540	1800
Trichloroethene	130	12000	720	67000
1,2-Dichloropropane	130	210	620	970
cis-1,3-Dichloropropene	130	Not Detected	610	Not Detected
Toluene	130	27000	500	100000
trans-1,3-Dichloropropene	130	Not Detected	610	Not Detected
1,1,2-Trichloroethane	130	Not Detected	730	Not Detected
Tetrachloroethene	130	22000	910	150000
Chlorobenzene	130	49 J	620	230 J
Ethyl Benzene	130	5400	580	23000
m,p-Xylene	130	21000	580	91000
o-Xylene	130	9400	580	41000
Styrene	130	Not Detected	570	Not Detected
1,1,2,2-Tetrachloroethane	130	Not Detected	920	Not Detected
Bromodichloromethane	130	Not Detected	900	Not Detected
Dibromochloromethane	130	Not Detected	1100	Not Detected
Chloromethane	540	Not Detected	1100	Not Detected
Acetone	540	460 J	1300	1100 J
Carbon Disulfide	540	110 J	1700	350 J
trans-1,2-Dichloroethene	540	140 J	2100	580 J
2-Butanone (Methyl Ethyl Ketone)	540	480 J	1600	1400 J
4-Methyl-2-pentanone	540	700	2200	2900
2-Hexanone	540	Not Detected	2200	Not Detected
Bromoform	540	Not Detected	5500	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07 CBS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0703383AR1-04A

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

File Name:	5042712	Date of Collection:	3/13/07
Dil Factor:	2.08	Date of Analysis:	3/27/07 05:59 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0703383AR1-05A

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

File Name:	0032113	Date of Collection: 3/13/07
Dil. Factor:	4.94	Date of Analysis: 3/23/07 06:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	29	1.7	75
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	3.4	1.8	9.1
1,1-Dichloroethene	0.67	140	2.6	550
Methylene Chloride	0.67	39	2.3	140
1,1-Dichloroethane	0.67	3.2	2.7	13
cis-1,2-Dichloroethene	0.67	51	2.6	200
Chloroform	0.67	5.8	3.3	28
1,1,1-Trichloroethane	0.67	18	3.6	100
Carbon Tetrachloride	0.67	1.0	4.2	6.5
Benzene	0.67	34	2.1	110
1,2-Dichloroethane	0.67	0.63 J /5	2.7	2.5 J
Trichloroethene	0.67	68	3.6	360
1,2-Dichloropropane	0.67	0.53 J /5	3.1	2.4 J
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	93	2.5	350
trans-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.67	Not Detected	3.6	Not Detected
Tetrachloroethene	0.67	190	4.5	1300
Chlorobenzene	0.67	2.0	3.1	9.4
Ethyl Benzene	0.67	26	2.9	110
m,p-Xylene	0.67	110	2.9	470
o-Xylene	0.67	54	2.9	230
Styrene	0.67	Not Detected	2.8	Not Detected
1,1,2,2-Tetrachloroethane	0.67	Not Detected	4.6	Not Detected
Bromodichloromethane	0.67	Not Detected	4.5	Not Detected
Dibromochloromethane	0.67	Not Detected	5.7	Not Detected
Chloromethane	2.7	Not Detected	5.5	Not Detected
Acetone	2.7	46	6.4	110
Carbon Disulfide	2.7	4.3	8.3	13
trans-1,2-Dichloroethene	2.7	12	11	49
2-Butanone (Methyl Ethyl Ketone)	2.7	10	7.9	30
4-Methyl-2-pentanone	2.7	3.8	11	15
2-Hexanone	2.7	Not Detected	11	Not Detected
Bromoform	2.7	Not Detected	28	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07 CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0703383AR1-05A

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

File Name:	3032715	Date of Collection:	3/15/07
Dil. Factor:	1.34	Date of Analysis:	3/27/07 08:11 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

4/27/07
CBS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0703383AR1-06A

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

File Name:	8032714	Date of Collection: 3/15/07
Dil. Factor:	528	Date of Analysis: 3/27/07 07:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	260	260	670	660 J
Bromomethane	260	Not Detected	1000	Not Detected
Chloroethane	260	Not Detected	700	Not Detected
1,1-Dichloroethene	260	160 J 15	1000	660 J
Methylene Chloride	260	32000	920	110000
1,1-Dichloroethane	260	3700	1100	15000
cis-1,2-Dichloroethene	260	1400	1000	5400
Chloroform	260	1700	1300	8300
1,1,1-Trichloroethane	260	23000	1400	120000
Carbon Tetrachloride	260	Not Detected	1700	Not Detected
Benzene	260	12000	840	39000
1,2-Dichloroethane	260	650	1100	2600
Trichloroethene	260	14000	1400	76000
1,2-Dichloropropane	260	210 J 15	1200	950 J
cis-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
Toluene	260	98000	990	370000
trans-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	260	Not Detected	1400	Not Detected
Tetrachloroethene	260	15000	1800	100000
Chlorobenzene	260	Not Detected	1200	Not Detected
Ethyl Benzene	260	10000	1100	45000
m,p-Xylene	260	41000	1100	180000
o-Xylene	260	15000	1100	65000
Styrene	260	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected	1800	Not Detected
Bromodichloromethane	260	Not Detected	1800	Not Detected
Dibromochloromethane	260	Not Detected	2200	Not Detected
Chloromethane	1000	Not Detected	2200	Not Detected
Acetone	1000	21000	2500	49000
Carbon Disulfide	1000	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	15000	3100	45000
4-Methyl-2-pentanone	1000	7200	4300	30000
2-Hexanone	1000	Not Detected	4300	Not Detected
Bromoform	1000	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0703383AR1-06A

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

File Name:	8032714	Date of Collection:	3/15/07
Dil. Factor:	528	Date of Analysis:	3/27/07 07:05 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0703383AR1-07A

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

File Name:	8032715	Date of Collection:	3/15/07
Dil. Factor:	528	Date of Analysis:	3/27/07 07:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	260	190 J /J	670	480 J
Bromomethane	260	Not Detected	1000	Not Detected
Chloroethane	260	Not Detected	700	Not Detected
1,1-Dichloroethene	260	160 J /J	1000	620 J
Methylene Chloride	260	30000	920	100000
1,1-Dichloroethane	260	3500	1100	14000
cis-1,2-Dichloroethene	260	1200	1000	4800
Chloroform	260	1600	1300	7700
1,1,1-Trichloroethane	260	22000	1400	120000
Carbon Tetrachloride	260	Not Detected	1700	Not Detected
Benzene	260	12000	840	38000
1,2-Dichloroethane	260	670	1100	2700
Trichloroethene	260	14000	1400	76000
1,2-Dichloropropane	260	210 J /J	1200	970 J
cis-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
Toluene	260	99000	990	370000
trans-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	260	Not Detected	1400	Not Detected
Tetrachloroethene	260	16000	1800	100000
Chlorobenzene	260	Not Detected	1200	Not Detected
Ethyl Benzene	260	10000	1100	44000
m,p-Xylene	260	41000	1100	180000
o-Xylene	260	16000	1100	68000
Styrene	260	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected	1800	Not Detected
Bromodichloromethane	260	Not Detected	1800	Not Detected
Dibromochloromethane	260	Not Detected	2200	Not Detected
Chloromethane	1000	Not Detected	2200	Not Detected
Acetone	1000	29000	2500	69000
Carbon Disulfide	1000	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	18000	3100	54000
4-Methyl-2-pentanone	1000	7900	4300	32000
2-Hexanone	1000	Not Detected	4300	Not Detected
Bromoform	1000	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0703383AR1-07A

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

File Name:	6032715	Date of Collection:	3/13/07
Dil. Factor:	5.0	Date of Analysis:	3/27/07 07:34 PM

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

4/27/07
CPS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0703383AR1-08A

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

File Name: 8032713	Date of Collection: 3/13/07
Dil. Factor: 13.4	Date of Analysis: 3/27/07 05:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	6.7	33	17	84
Bromomethane	6.7	Not Detected	26	Not Detected
Chloroethane	6.7	Not Detected	18	Not Detected
1,1-Dichloroethene	6.7	150	26	610
Methylene Chloride	6.7	620	23	2200
1,1-Dichloroethane	6.7	61	27	250
cis-1,2-Dichloroethene	6.7	34	26	130
Chloroform	6.7	36	33	170
1,1,1-Trichloroethane	6.7	370	36	2000
Carbon Tetrachloride	6.7	2.2 J	42	14 J
Benzene	6.7	370	21	1200
1,2-Dichloroethane	6.7	13	27	54
Trichloroethene	6.7	310	36	1600
1,2-Dichloropropane	6.7	4.5 J	31	21 J
cis-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
Toluene	6.7	1500	25	5500
trans-1,3-Dichloropropene	6.7	Not Detected	30	Not Detected
1,1,2-Trichloroethane	6.7	Not Detected	36	Not Detected
Tetrachloroethene	6.7	410	45	2800
Chlorobenzene	6.7	2.4 J	31	11 J
Ethyl Benzene	6.7	130	29	570
m,p-Xylene	6.7	460	29	2000
o-Xylene	6.7	170	29	730
Styrene	6.7	42	28	180
1,1,2,2-Tetrachloroethane	6.7	Not Detected	46	Not Detected
Bromodichloromethane	6.7	Not Detected	45	Not Detected
Dibromochloromethane	6.7	Not Detected	57	Not Detected
Chloromethane	27	Not Detected	55	Not Detected
Acetone	27	500	64	1200
Carbon Disulfide	27	Not Detected	83	Not Detected
trans-1,2-Dichloroethene	27	Not Detected	110	Not Detected
2-Butanone (Methyl Ethyl Ketone)	27	210	79	630
4-Methyl-2-pentanone	27	70	110	290
2-Hexanone	27	Not Detected	110	Not Detected
Bromoform	27	Not Detected	280	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

4/27/07 CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0703383AR1-08A

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

File Name:	8032716	Date of Collection:	3/15/07
Dil. Factor:	13.4	Date of Analysis:	3/27/07 08:02 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

4/27/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0703383BR1-01A

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

File Name:	b021918	Date of Collection: 3/15/07
Dil. Factor:	1.00	Date of Analysis: 3/19/07 04:57 PM
		Date of Extraction: 3/15/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	3.8
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.3
1,4-Dichlorobenzene	1.0	4.0
1,2-Dichlorobenzene	1.0	36
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	29
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.7
Naphthalene	1.0	42
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.8
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.1
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

CJS
4/27/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0703383BR1-01A

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

File Name:	p031818	Date of Collection: 3/15/07
Dil Factor:	1.00	Date of Analysis: 3/19/07 04:17 PM
		Date of Extraction: 3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.6 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	73	50-150
Phenol-d5	96	50-150
Nitrobenzene-d5	81	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	84	60-120
Pyrene-d10	86	60-120

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0703383BR1-02A

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

File Name: p031916 Date of Collection: 3/15/07
Dil. Factor: 1.00 Date of Analysis: 3/16/07 04:47 PM
Date of Extraction: 3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	3.5
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.81 J
1,4-Dichlorobenzene	1.0	1.8
1,2-Dichlorobenzene	1.0	7.7
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	1.4
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	4.0
Naphthalene	1.0	6.1
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.7
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

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0703383BR1-02A

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

File Name:	p031919	Date of Collection: 3/15/07
Dil. Factor:	1.00	Date of Analysis: 3/19/07 04:47 PM
		Date of Extraction: 3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	0.85 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	3.0 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	67	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	73	50-150
2,4,6-Tribromophenol	78	50-150
Fluorene-d10	80	60-120
Pyrene-d10	83	60-120

CPS 4/27/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0703383BR1-03A

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

File Name:	p031020	Date of Collection:	3/13/07
Dil. Factor:	1.00	Date of Analysis:	3/19/07 05:47 PM
		Date of Extraction:	3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	9.9
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	2.3
1,4-Dichlorobenzene	1.0	5.5
1,2-Dichlorobenzene	1.0	22
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	3.0
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	12
Naphthalene	1.0	17
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	11
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.0
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected

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4/27/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0703383BR1-03A

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

File Name:	p081929	Date of Collection: [illegible]
Dil Factor:	1.00	Date of Analysis: [illegible]
		Date of Extraction: [illegible]

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	64	50-150
Phenol-d5	93	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	73	50-150
Fluorene-d10	81	60-120
Pyrene-d10	83	60-120

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4/27/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0703383BR1-04A

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

File Name:	p021921	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	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	2.2 J
Fluorene	1.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0703383BR1-04A

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)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	0.78 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
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	64	50-150
Phenol-d5	86	50-150
Nitrobenzene-d5	66	50-150
2,4,6-Tribromophenol	75	50-150
Fluorene-d10	77	60-120
Pyrene-d10	81	60-120

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0703383BR1-05A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil Factor:	1.00	Date of Analysis: 3/19/07 06:17 PM
		Date of Extraction: 3/15/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	2.6
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.1
1,4-Dichlorobenzene	1.0	3.1
1,2-Dichlorobenzene	1.0	26
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	10
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.79 J
Naphthalene	1.0	16
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.6
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	0.93 J
Fluorene	1.0	Not Detected

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0703383BR1-05A

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

File Name:	p031922	Date of Collection: 3/15/07
Dil. Factor:	1.00	Date of Analysis: 3/19/07 06:17 PM
		Date of Extraction: 3/18/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	2.5 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	68	50-150
Phenol-d5	95	50-150
Nitrobenzene-d5	87	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	85	60-120
Pyrene-d10	85	60-120

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0703383BR1-06A

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

File Name:	p031922	Date of Collection: 2/15/07
Dil. Factor:	1.00	Date of Analysis: 3/19/07 06:48 PM
		Date of Extraction: 3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	2.5
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.98 J
1,4-Dichlorobenzene	1.0	2.9
1,2-Dichlorobenzene	1.0	26
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	11
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.81 J
Naphthalene	1.0	15
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.6
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	2.4
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

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0703383BR1-06A

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

File Name:	p031923	Date of Collection: 3/15/07
Dil. Factor:	1.00	Date of Analysis: 3/16/07 06:48 PM
		Date of Extraction: 3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	66	50-150
Phenol-d5	96	50-150
Nitrobenzene-d5	86	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	87	60-120
Pyrene-d10	88	60-120

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4/27/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0703383BR1-07A

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

File Name:	[illegible]	Date of Collection: [illegible]
Dil. Factor:	4.00	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	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	0.95 J
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	1.5
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	0.85 J
Fluorene	1.0	Not Detected

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0703383BR1-07A

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

File Name:	p033928	Date of Collection: 3/15/07
Dil. Factor:	1.00	Date of Analysis: 3/19/07 07:16 PM
		Date of Extraction: 3/16/07

Compound	Rpt. Limit (ug)	Amount (ug)
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected
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	3.4 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	59	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	69	50-150
2,4,6-Tribromophenol	75	50-150
Fluorene-d10	81	60-120
Pyrene-d10	85	60-120

CPC
4/27/07