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QUARTERLY MONITORING REPORT
ACTIVE TREATMENT SYSTEMS
SECOND QUARTER 2007

AMERICAN CHEMICAL SERVICE NPL SITE
GRIFFITH, INDIANA

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Prepared For:

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

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MWH

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Prepared For:

American Chemical Service NPL Site RD/RA Executive Committee
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) 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. 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 April 2007 through June 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 April 2007 and analyzed for all of the analytes listed above. During May and June 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 second quarter of 2007. Samples were collected on the following dates and analyzed for the listed analytes for this reporting period:

April 10, 2007	Full analysis (pH, TSS, BOD, Metals, VOCs, SVOCs, pentachlorophenol, and PCBs)
May 22, 2007	pH and VOCs
June 20, 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 April, May, or June 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.

2.4 ANNUAL SEDIMENT SAMPLE ANALYTICAL RESULTS

Since 1998, MWH has collected an annual sediment sample and associated quality control samples from the GWTP outfall in accordance with the PSVP to help determine if PCB accumulation is occurring at the GWTP discharge location. The annual sediment sample for 2007 was collected on April 13th from the GWTP outfall location, shown on Figure 2.1. The sample was analyzed for PCBs by CompuChem and the data was validated by LDC.

The analytical data for the annual sediment samples for the past seven years are summarized in Table 2.3. Analytical data for the April 2007 sample are included in Appendix C. One aroclor, Aroclor-1254, was detected in the April 2007 sample. Although concentrations remain below any action levels, results for this compound had been non-detect since August 2001. MWH will continue to collect annual sediment samples at the GWTP discharge location to monitor any possible PCB accumulation.

3.0 ISVE SYSTEM MONITORING

3.1 THERMAL OXIDIZER OFF-GAS SAMPLING

During the second 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 the thermal oxidizer/scrubber units on April 27th, May 17th, and June 26th. Because Therm Ox 2 and both ISVE systems were down for maintenance, the June sampling event only included Therm Ox 1. At the time of the June sample, Therm Ox 1 was only treating vapors from T-102.

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

Sampling Frequency Schedule – ISVE System

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

Following sample collection, the sorbent tubes were placed in coolers and maintained at or below 4°C for shipment. Chain-of-Custody forms were prepared to track the transfer of samples from the treatment plant 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 April, May, and June. The highest VOC discharge rate observed during these sampling events was the April 27, 2007 Therm Ox 2 sample, which was measured at 0.245 pounds per hour or 5.88 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 3.7. The analytical data sheets for the compliance samples are provided in Appendix B.

In addition to the off-gas data collected during the second 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 3.14. MWH performed data validation in accordance with the QAPP and the National Functional Guidelines for Organic/Inorganic Data Review. Validation qualifiers are listed in the tables and are written in the margin of the analytical data sheets provided in Appendix B.

3.3 ISVE SYSTEM MONITORING

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

The information collected during performance monitoring is used to evaluate and optimize the ISVE system. Data collected from the Off-Site ISVE system during the second quarter of 2007 are presented in Tables 3.15 and 3.16. Data that were collected from the SBPA ISVE system during the second quarter of 2007 are presented in Tables 3.17 and 3.18.

3.4 PRODUCT REMOVAL ACTIVITIES

No product removal activities were performed during the second 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. If a new method is developed, it will be provided to the Agencies for comment prior to implementation.

4.0 GWTP PROCESS MODIFICATIONS AND REPAIRS

4.1 GWTP PROCESS MODIFICATIONS

The following modification was made to the GWTP during the second quarter of 2007.

- Until December 2003, the filtercake produced by the GWTP was sent to the Peoria Disposal Company's (PDC's) Resource Conservation and Recovery Act (RCRA) Part B Hazardous Waste Facility located in Peoria, Illinois. In December 2003, the samples of the filtercake indicated that VOCs exceeded the facility's operating limits. As a result, MWH began shipping the filtercake to Veolia Environmental Services Port Arthur, Texas facility. This facility is a Part B and Toxic Substance Control Act (TSCA) permitted facility that was capable of accepting the level of VOCs in the filtercake. MWH has re-evaluated the chemical make-up of the filtercake produced by the GWTP. Samples collected on May 23, 2007 indicated that the filtercake currently meets the disposal requirements for the PDC facility. As a result, beginning in July 2007, the filtercake will be disposed of at the PDC facility.

4.2 *GWTP REPAIRS AND MAINTENANCE*

The following repairs and/or maintenance activities were conducted at the GWTP during the second quarter of 2007:

- Recently, water levels within the barrier wall were observed to be trending slightly upward. MWH evaluated and repaired or replaced extraction pumps in several of the Barrier Wall Extraction System wells. This action was completed in May 2007.

- During the week of June 4, 2007, storms and high winds resulted in power outages at the GWTP. As a result of one of the outages, the biotank overflowed its zones (not the tank itself). On June 7th, the clean water of the center clarifier was infiltrated. The system was shut down immediately until the condition could be corrected. While remedying the situation, heavy amounts of foaming, indicating increased biological growth and death rates, was observed in the biotank. A defoaming agent was added to reduce the foaming to a normal level. The system was returned to routine operation on June 12th.

5.0 ISVE PROCESS MODIFICATIONS AND REPAIRS

5.1 ISVE PROCESS MODIFICATIONS

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

- Three sets of air injection wells ran at the ACS site throughout the second quarter 2007. On April 24, 2007, MWH was on site to switch the air injection wells from Group 2 (SVE-49, SVE-51, SVE-64, SVE-71, and SVE-82) to Group 3 (SVE-44, SVE-59, SVE-77, SVE-80, and SVE-84). Maintenance was being performed on SVE-77; therefore, Group 3 operated with only four air injection wells. Group 3 operated until May 22, 2007 when MWH switched over to Group 1 (SVE-50, SVE-54, SVE-73, SVE-79, and SVE-81).

- On June 8, 2007, operation of the air injection wells was switched from Group 1 to Group 2.

- 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 second quarter of 2007.

During the week of June 25, 2007, MWH completed the installation of the three FCI ST98 thermal mass flow meters. This brings the total number of vapor flow meters in the plant to four. These flow meters have been installed to improve vapor flow monitoring of the ISVE systems and thermal oxidizers. The meters will be fully operational following their final calibration scheduled to be performed on September 14, 2007.

5.2 ISVE REPAIRS AND MAINTENANCE

The following repairs and/or maintenance activities were performed on the ISVE systems during the second quarter of 2007:

- In March 2007, MWH performed extensive maintenance of 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 was replaced. The system was restarted during the week of April 9th.

- Both ISVE systems ran normally, during the second quarter of 2007. Both systems were shut down beginning on June 11th to allow for modifications to be made to the header systems and for the installation of the new thermal mass flow meters. During

this time, MWH also serviced both thermal oxidizers. Maintenance, calibrating pH probes, and cleaning nozzles, was performed from June 18th through June 21st.

6.0 PGCS AND BWES GAUGING ACTIVITIES

During the operational time frame of the GWTP in the second 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 second quarter of 2007. The pump in MW-10C malfunctioned. Therefore, pumping did not occur at this location during the second 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 April, May, and June 2007. Groundwater elevation measurements were collected throughout the Site on April 13, 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 April 13, 2007. The groundwater elevations are plotted on Figure 6.2. The groundwater elevation measurements inside the barrier wall range from 3.24 to 9.32 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 second

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 second quarter of 2007. Therefore, the 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 625 feet amsl to 632 feet amsl. This represents a slight increase in the average water levels from the first quarter of 2007.

In the Off-Site ISVE area, the target water level is 626 feet amsl. Actual water levels varied from approximately 621 feet amsl to 630 feet amsl. This represents a decrease in the average water levels from the first quarter of 2007. 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 88 percent of the second quarter of 2007 (based on 1,931 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 46 percent of the second quarter of 2007 (based on 994 hours of operation out of a total of 2,184 hours). The SBPA ISVE system continued to operate as designed 69 percent of the second quarter of 2007 (based on 1,497 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 and reconfiguration of the header systems during the installation of the new flow meters.

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 second quarter of 2007. No significant modifications were made to the system during the period. MWH continues to perform routine maintenance activities to ensure that the operation of the GWTP is sustained. During the second quarter, these activities included evaluation of the extraction pumps in the Off-Site Area and repair or replacement of those pumps as needed.

The GWTP continued to treat water from all available sources, except MW-10C. The pump at MW-10C has malfunctioned and active operation will be resumed in September 2007. The list of sources sending groundwater to the GWTP will be expanded upon the completion of the Lower Aquifer Pumping System, anticipated to be complete in September 2007.

8.2 ISVE OPERATION

The ISVE systems continued to operate normally during the second 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 completed the installation of thermal mass flow meters to be used to more accurately measure the vapor flow rates from the ISVE systems and into the thermal oxidizers. Upon final calibration of the meters, these measurements will be incorporated into the routine monitoring of the ISVE and thermal oxidizer systems.

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. Many of the pumps' motors had malfunctioned and will be replaced. Nine pumps will be replaced and three pumps will be cleaned and repaired. MWH will address this issue during the third quarter of 2007. Also, the annual maintenance event for the SBPA dual-phase extraction pumps will be performed during the third quarter of 2007.

8.4 HEALTH AND SAFETY

No health and safety incidents were reported during the second 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 June 30, 2007 are:

- 3,689 consecutive days with no lost time due to an accident or Health and Safety incident.
- 1,381 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.

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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[1]	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[1]	0.00056 µg/L (w/DL = 0.1 to 0.9)

Notes:

1. Effluent standards for the Groundwater Treatment Plant were established based on maximum contaminant levels, Indiana water quality effluent limits, or best available treatment technologies. However, laboratory equipment could not read down to the effluent standards for mercury or PCBs. Therefore, the lowest equipment detection limit (or limit range for PCBs) for these compounds were established as their respective effluent standards.

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 - Second Quarter 2007
Groundwater Treatment System
American Chemical Service NPL Site
Griffith, Indiana

Event Date	Month 119 4/10/2007	Month 120 5/22/2007	Month 121 6/20/2007	Effluent Limits	Lab Reporting Limits
pH	6.75 /J	7.50 /	7.79 /J	6-9	none
TSS	0.500 B/	NS	NS	30	1.0
BOD	2.0 U/	NS	NS	30	2
Arsenic	4.2 B/	NS	NS	50	3.4
Beryllium	0.20 U/	NS	NS	NE	0.2
Cadmium	0.20 U/	NS	NS	4.1	0.2
Manganese	15.9 /	NS	NS	NE	0.2
Mercury[1]	0.10 U/	NS	NS	0.02 (w/DL = 0.64)	0.1
Selenium	2.9 U/	NS	NS	8.2	2.9
Thallium	4.9 U/	NS	NS	NE	4.9
Zinc	5.4 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	2.2 JB/2.5 UBJ	1.7 JB/2.5 UBJ	6,800	2.5
2-Butanone	2.5 U/UJ	2.5 U/	2.5 U/UJ	210	2.5
Chloromethane	0.50 U/UJ	0.50 U/	0.50 U/UJ	NE	0.5
1,4-Dichlorobenzene	0.50 U/UJ	0.50 U/	0.50 U/	NE	0.5
1,1-Dichloroethane	0.50 U/	0.31 J/	0.30 J/J	NE	0.5
cis-1,2-Dichloroethene	0.50 U/	0.20 J/	0.50 U/	70	0.5
Ethylbenzene	0.50 U/	0.50 U/	0.50 U/	34	0.5
Methylene chloride	0.33 J/	0.49 J/	0.41 JB/0.50 UBJ	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	0.50 U/	0.95 /	0.60 /J	2	0.5
4-Methyl-2-pentanone	2.5 U/UJ	2.5 U/	2.5 U/UJ	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	ND	NS	NS	1	1
PCB/Aroclor-1016[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25
PCB/Aroclor-1221[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25
PCB/Aroclor-1232[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25
PCB/Aroclor-1242[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25
PCB/Aroclor-1248[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25
PCB/Aroclor-1254[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25
PCB/Aroclor-1260[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.25

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

1. Effluent standards for the Groundwater Treatment Plant were established based on maximum contaminant levels, Indiana water quality effluent limits, or best available treatment technologies. However, laboratory equipment could not read down to the effluent standards for mercury or PCBs. Therefore, the lowest equipment detection limit (or limit range for PCBs) for these compounds were established as their respective effluent standards.

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

JB := Compound or analyte was positively detected in a sample and in an associated blank, but the value is an estimated concentration.

UJ := Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value

UB := Compound or analyte is not detected at or above the indicated concentration due to blank contamination

UBJ := Analyte is not detected at or above the indicated concentration due to blank contamination, however the calibration was out of range. Therefore the concentration is estimated.

Table 2.3
Summary of Sediment Analytical Results
Groundwater Treatment System
American Chemical Service NPL Site
Griffith, Indiana

PCB Compound	Results (ug/kg)																
	12/4/1998	2/3/2000	2/3/00 DUP	8/21/2001	8/21/01 DUP	6/5/2002	6/5/02 DUP	1/13/04	1/13/04 DUP	9/27/04	9/27/04 DUP	6/15/05	6/15/05 DUP	12/11/06	12/11/06 DUP	4/13/07	4/13/07 DUP
Aroclor-1016	ND (33)	ND (59)	ND (79)	ND (62) /UJ	ND (71)	ND (52) /UJ	ND (49)	ND (67)	ND (76)	ND (62)	ND (78)	ND (74)	ND (39)	ND (71)	ND (53)	ND (71)	ND (71)
Aroclor-1221	ND (33)	ND (77)	ND (100)	ND (82) /UJ	ND (92)	ND (67) /UJ	ND (64)	ND (84)	ND (95)	ND (84)	ND (110)	ND (100)	ND (53)	ND (100)	ND (76)	ND (100)	ND (100)
Aroclor-1232	ND (33)	ND (59)	ND (79)	ND (62) /UJ	ND (71)	ND (52) /UJ	ND (49)	ND (67)	ND (76)	ND (62)	ND (78)	ND (74)	ND (39)	ND (50)	ND (38)	ND (50)	ND (50)
Aroclor-1242	ND (33)	ND (41)	ND (55)	ND (43) /UJ	ND (49) /UJ	ND (36) /UJ	ND (34)	ND (42)	ND (48)	ND (42)	ND (53)	ND (50)	ND (27)	ND (50)	ND (38)	ND (50)	ND (50)
Aroclor-1248	ND (33)	ND (41)	ND (55)	ND (43) /UJ	ND (49) /UJ	ND (36) /UJ	ND (34)	ND (42)	ND (48)	ND (42)	ND (53)	ND (49)	ND (27)	300	450	ND (50)	ND (50)
Aroclor-1254	ND (33)	22 J/	15 J/	73 P/J	39 JP/J	ND (36) /UJ	ND (34)	ND (42)	ND (48)	ND (42)	ND (53)	ND (54)	ND (27)	ND (50)	ND (38)	64	74
Aroclor-1260	ND (33)	ND (59)	ND (79)	ND (62) /UJ	ND (71) /UJ	41 J/J	ND (49)	35 J	ND (76)	ND (62)	ND (78)	ND (74)	ND (39)	ND (50)	ND (38)	ND (50)	ND (50)
Total PCBs [4]	***ND***	***22***	***15***	***73***	***39***	***41***	***ND***	***35***	***ND***	***ND***	***ND***	***ND***	***ND***	***300***	***450***	***64***	***74***

Notes:
1 ND (_) = Compound was not detected. The detection limit is included in parentheses
2 December 4, 1998 sample was analyzed by Quanterra. All other samples were analyzed by Compuchem.
3 DUP = Duplicate sample
4 The total PCB value presented here are estimated totals based on estimated concentrations of individual Aroclors

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
P = The Relative Percent Difference (RPD) between the two GC column values is greater than 25%. The higher value has been reported.
JP = The Relative Percent Difference (RPD) between the two GC column values is greater than 25%. The higher value has been reported. The concentration is also estimated.
UJ = Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Table 3.1
Thermal Oxidizer 1 Results for Method TO-14 (VOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	6,400		13,000		10		99.84%	99.92%	99.88%
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	580		1,200		2.4		99.59%	99.80%	99.69%
1,1-Dichloroethene	ppbv	190		390		34		82.11%	91.28%	86.69%
1,2-Dichloroethane	ppbv	110		210		ND	U	100.00%	100.00%	100.00%
1,2-Dichloropropane	ppbv	74		140		ND	U	100.00%	100.00%	100.00%
2-Butanone (Methyl Ethyl Ketone)	ppbv	210		440	J/J	55		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	1	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	320		660		9.1		97.16%	98.62%	97.89%
Acetone	ppbv	190	J/J	370	J/J	87		NC	NC	NC
Benzene	ppbv	1,100		2,200		25		97.73%	98.86%	98.30%
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	1.5	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.39	J/J	NC	NC	NC
Chlorobenzene	ppbv	15	J/J	ND	U	0.88		NC	NC	NC
Chloroethane	ppbv	94		180		4		95.74%	97.78%	96.76%
Chloroform	ppbv	1400		2,900		1.7		99.88%	99.94%	99.91%
Chloromethane	ppbv	ND	U	ND	U	2	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	4,000		8,000		38		99.05%	99.53%	99.29%
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	2200		4,800		11		99.50%	99.77%	99.64%
m,p-Xylene	ppbv	8,400		18,000		55		99.35%	99.69%	99.52%
Methylene Chloride	ppbv	1300		2,700		11		99.15%	99.59%	99.37%
o-Xylene	ppbv	3,800		8,000		24		99.37%	99.70%	99.53%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	7600		15,000		58		99.24%	99.61%	99.43%
Toluene	ppbv	11,000		22,000		70		99.36%	99.68%	99.52%
trans-1,2-Dichloroethene	ppbv	38	J/J	ND	U	3.5		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	4000		7,900		20		99.50%	99.75%	99.62%
Vinyl Chloride	ppbv	240		520		16		93.33%	96.92%	95.13%
Total	**ppbv**	**53,261**		**108,610**		**540**		**98.99%**	**99.50%**	**99.24%**
Total	**lb/hr**	**1.112**		**2.262**		**0.009**		**99.60%**	**99.19%**	**99.40%**

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	04/27/07	98	140	1,666

Temperatures and flow rates reported correspond to instantaneous readings.

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

		Sampled 5/17/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichlorcethane	ppbv	10,000		9,900		8.8		99.91%	99.91%	99.91%
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	1100		1,200		1.1		99.90%	99.91%	99.90%
1,1-Dichloroethene	ppbv	470		440		60		86.36%	87.23%	86.80%
1,2-Dichloroethane	ppbv	170		180		0.33	J/J	NC	NC	NC
1,2-Dichloropropane	ppbv	150		170		0.42	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	460		530		4.3		99.07%	99.19%	99.13%
2-Hexanone	ppbv	ND	U	ND	U	0.75	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	710		810		2.3	J/J	NC	NC	NC
Acetone	ppbv	480		420		20		95.24%	95.83%	95.54%
Benzene	ppbv	2,000		1,900		22		98.84%	98.90%	98.87%
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	20		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.89		NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	1		NC	NC	NC
Chloroethane	ppbv	190		200		ND	U	100.00%	100.00%	100.00%
Chloroform	ppbv	3100		3,000		4.6		99.85%	99.85%	99.85%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	6,400		6,300		17		99.73%	99.73%	99.73%
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	5200		5,300		29		99.44%	99.45%	99.45%
m,p Xylene	ppbv	19,000		19,000		120		99.37%	99.37%	99.37%
Methylene Chloride	ppbv	3000		2,800		9.7		99.65%	99.68%	99.67%
o-Xylene	ppbv	8,800		8,800		61		99.31%	99.31%	99.31%
Styrene	ppbv	ND	U	ND	U	4		NC	NC	NC
Tetrachloroethene	ppbv	17000		18,000		130		99.24%	99.28%	99.26%
Toluene	ppbv	22,000		21,000		67		99.68%	99.70%	99.69%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	3.9		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	9800		9,800		39		99.60%	99.60%	99.60%
Vinyl Chloride	ppbv	380		380		8		97.89%	97.89%	97.89%
Total	**ppbv**	**110,410**		**110,130**		**635**		**99.42%**	**99.42%**	**99.42%**
Total	**lb/hr**	**2.031**		**2.038**		**0.011**		**99.46%**	**99.46%**	**99.46%**

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	05/17/07	114	140	1,805

Temperatures and flow rates reported correspond to instantaneous readings.

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

		Sampled 6/26/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	7.1	J/J	5.1	J/J	1.8		NC	NC	NC
1,1,2,2-Tetrachloroethane	ppbv	8.3	J/J	7.2		ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	4.8	J/J	4.4	J/J	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	110		82		2.3		97.20%	97.91%	97.55%
1,1-Dichloroethene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichloroethane	ppbv	16		18		ND	U	100.00%	100.00%	100.00%
1,2-Dichloropropane	ppbv	7.4	J/J	7.2		ND	U	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	260		220		45		79.55%	82.69%	81.12%
2-Hexanone	ppbv	ND	U	ND	U	0.75	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	15	J/J	18	J/J	0.69	J/J	NC	NC	NC
Acetone	ppbv	230		180		57		68.33%	75.22%	71.78%
Benzene	ppbv	950		630		7.9		98.75%	99.17%	98.96%
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	31	J/J	2.4	J/J	0.94	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	190		140		0.6	J/J	NC	NC	NC
Chloroethane	ppbv	55		42		4.5		89.29%	91.82%	90.55%
Chloroform	ppbv	2.1	J/J	2	J/J	0.61	J/J	NC	NC	NC
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	2300		2000		45		97.75%	98.04%	97.90%
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	130		85		5.2		93.88%	96.00%	94.94%
m,p-Xylene	ppbv	420		290		30		89.66%	92.86%	91.26%
Methylene Chloride	ppbv	96		16		0.87		94.56%	99.09%	96.83%
o-Xylene	ppbv	550		450		11		97.56%	98.00%	97.78%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	4.9	J/J	2.4	J/J	2.8		NC	NC	NC
Toluene	ppbv	880		630		25		96.03%	97.16%	96.60%
trans-1,2-Dichloroethene	ppbv	5.2	J/J	3.9	J/J	1	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	7.8	J/J	6.9	J/J	2.4		NC	NC	NC
Vinyl Chloride	ppbv	66		64		15		76.56%	77.27%	76.92%
Total	**ppbv**	**6,347**		**4,907**		**260**		**94.69%**	**95.90%**	**95.30%**
Total	**lb/hr**	**0.092**		**0.071**		**0.003**		**95.77%**	**96.74%**	**96.26%**

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 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	Temp (F)	Flow (scfm)
Thermox-1	06/26/07	115	1,015

Temperature data used attained on 6/26/07
Flow rate data used attained on 6/8/07

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

		Sampled 4/27/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	31,000		37,000		43		99.86%	99.88%	99.87%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	760		NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,700		5,200		ND	U	100.00%	100.00%	100.00%
1,1-Dichloroethene	ppbv	650		1,100		120		81.54%	89.09%	85.31%
1,2-Dichloroethane	ppbv	770		1,100		210		72.73%	80.91%	76.82%
1,2-Dichloropropane	ppbv	140	J/J	190	J/J	22		NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	22,000		28,000		4.6	J/J	NC	NC	NC
2-Hexanone	ppbv	ND	U	150	J/J	420		NC	NC	NC
4-Methyl-2-pentanone	ppbv	5,200		9,300		2.9	J/J	NC	NC	NC
Acetone	ppbv	23,000		29,000		96		99.58%	99.67%	99.63%
Benzene	ppbv	14,000		18,000		640		95.43%	96.44%	95.94%
Bromodichloromethane	ppbv	ND	U	ND	U	620		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	390	J/J	210	J/J	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	3.8	J/J	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	3.3	J/J	NC	NC	NC
Chloroform	ppbv	2,400		2,800		ND	U	100.00%	100.00%	100.00%
Chloromethane	ppbv	ND	U	ND	U	72		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	1,800		2,000		28	J/J	NC	NC	NC
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	82		NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	3,500		11,000		ND	U	100.00%	100.00%	100.00%
m,p-Xylene	ppbv	12,000		42,000		190		98.42%	99.55%	98.98%
Methylene Chloride	ppbv	39,000		43,000		640		98.36%	98.51%	98.44%
o-Xylene	ppbv	3,900		14,000		1100		71.79%	92.14%	81.97%
Styrene	ppbv	ND	U	ND	U	240		NC	NC	NC
Tetrachloroethene	ppbv	8,500		19,000		72		99.15%	99.62%	99.39%
Toluene	ppbv	68,000		130,000		580		99.15%	99.55%	99.35%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	2400		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	6	J/J	NC	NC	NC
Trichloroethene	ppbv	12,000		19,000		ND	U	100.00%	100.00%	100.00%
Vinyl Chloride	ppbv	640		650		480		NC	NC	NC
Total	**ppbv**	**253,590**		**412,700**		**8,835.3**		**96.52%**	**97.86%**	**97.19%**
Total	**lb/hr**	**6.441**		**10.729**		**0.245**		**96.20%**	**97.72%**	**96.96%**

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	04/27/07	60	150	1,150

Temperatures and flow rates reported correspond to instantaneous readings.

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

		Sampled 5/17/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	14,000		14,000		530		96.21%	96.21%	96.21%
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	1,900		1,900		76		96.00%	96.00%	96.00%
1,1-Dichloroethene	ppbv	350		470		110		68.57%	76.60%	72.58%
1,2-Dichloroethane	ppbv	470		520		16		96.60%	96.92%	96.76%
1,2-Dichloropropane	ppbv	170	J/J	140	J/J	5.7		NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	7,800		6,500		170		97.38%	97.82%	97.60%
2-Hexanone	ppbv	ND	U	ND	U	2.7	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	4,600		3,900		62		98.41%	98.65%	98.53%
Acetone	ppbv	10,000		6,900		340		95.07%	96.60%	95.84%
Benzene	ppbv	7,800		8,200		450		94.23%	94.51%	94.37%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	2.4	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	2.6	J/J	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	8.2		NC	NC	NC
Chloroform	ppbv	1,200		1,200		57		95.25%	95.25%	95.25%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	830		910		68		91.81%	92.53%	92.17%
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	6,500		6,700		160		97.54%	97.61%	97.58%
m,p-Xylene	ppbv	24,000		25,000		540		97.75%	97.84%	97.80%
Methylene Chloride	ppbv	13,000		14,000		540		95.85%	96.14%	95.99%
o-Xylene	ppbv	8,800		9,400		210		97.61%	97.77%	97.69%
Styrene	ppbv	ND	U	ND	U	100		NC	NC	NC
Tetrachloroethene	ppbv	9,900		10,000		490		95.05%	95.10%	95.08%
Toluene	ppbv	60,000		60,000		1600		97.33%	97.33%	97.33%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	5.7	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	9,800		9,800		390		96.02%	96.02%	96.02%
Vinyl Chloride	ppbv	ND	U	ND	U	32		NC	NC	NC
Total	**ppbv**	**181,120**		**179,540**		**5,968.3**		**96.68%**	**96.70%**	**96.69%**
Total	**lb/hr**	**5.119**		**5.119**		**0.172**		**96.65%**	**96.65%**	**96.65%**

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	05/17/07	74	150	1,800

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.6
SBPA and Off-Site ISVE System Results for Method TO-14 (VOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	14,000		34,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	1,400		5,100	
1,1-Dichloroethene	ppbv	690		650	
1,2-Dichloroethane	ppbv	240		830	
1,2-Dichloropropane	ppbv	170		180	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	470	J/J	25,000	
2-Hexanone	ppbv	ND	U	66	J/J
4-Methyl-2-pentanone	ppbv	790		5,900	
Acetone	ppbv	390	J/J	26,000	
Benzene	ppbv	2,600		15,000	
Bromodichloromethane	ppbv	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	200	J/J
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	38	J/J	ND	U
Chloroethane	ppbv	240		ND	U
Chloroform	ppbv	3,200		2,400	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	9,200		1,900	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	6,100		4,200	
m,p-Xylene	ppbv	23,000		15,000	
Methylene Chloride	ppbv	2,800		44,000	
o-Xylene	ppbv	10,000		4,800	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	19,000		9,300	
Toluene	ppbv	27,000		76,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	9,200		14,000	
Vinyl Chloride	ppbv	570		720	
Total	**ppbv**	**131,098**		**285,246**	
Total	**lb/hr**	**2.732**		**7.243**	

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	04/27/07	98	1,666
Off-Site	04/27/07	60	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) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	9,900		14,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	1,100		1,900	
1,1-Dichloroethene	ppbv	280		380	
1,2-Dichloroethane	ppbv	190		450	
1,2-Dichloropropane	ppbv	160		ND	U
2-Butanone (Methyl Ethyl Ketone)	ppbv	480		7,500	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	710		4,000	
Acetone	ppbv	380		9,400	
Benzene	ppbv	1,800		8,000	
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	170		ND	U
Chloroform	ppbv	2,900		1,400	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	6,200		890	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	4,800		7,400	
m,p-Xylene	ppbv	18,000		30,000	
Methylene Chloride	ppbv	2,800		14,000	
o-Xylene	ppbv	8,300		11,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	17,000		11,000	
Toluene	ppbv	21,000		63,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	9,600		9,900	
Vinyl Chloride	ppbv	440		ND	U
Total	**ppbv**	**106,210**		**194,220**	
Total	**lb/hr**	**1.963**		**5.520**	

Notes:
ND - Non-detect
ppbv - parts per billion volume
lb/hr - pounds per hour

Qualifiers:
U - below reported quantitation limit
_/ - Laboratory data qualifier
/_ - Data validation qualifier

System	Date	Temp (F)	Flow (scfm)
SBPA	05/17/07	114	1,805
Off-Site	05/22/07	74	1,800

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.8
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	0.49	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	7.7		8.4		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	1.1		1.2		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	2.1		2.3		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	3.8		4.1		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis (2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis (2-Chloroethyl) Ether	µg	4		4.6		ND	U	100.00%	100.00%	100.00%
bis (2-Ethylhexyl)phthalate	µg	11		1.6	J/J	1.8	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	4.5	J/J	ND	U	4.8	J/J	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	5.1		5		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	1.8		2.3		ND	U	100.00%	100.00%	100.00%

Table 3.8
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	7.2		8.1		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	0.2	J/J	ND	U	NC	NC	NC
Total	µg	**48.30**		**38.31**		**6.60**		**82.77%**	**86.34%**	**84.55%**

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 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.

Qualifiers:

J - Result is estimated

U - below reported quantitation limit

_/ - Laboratory data qualifier

/_ - Data validation qualifier

Table 3.9
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.5	J/J	0.50	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	11		11		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	1.4		1.5		ND	U	100.00%	100.00%	100.00%
1,4-Dichlorobenzene	µg	3		3		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	4.9		4.9		ND	U	100.00%	100.00%	100.00%
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis (2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis (2-Chloroethyl) Ether	µg	3.5		3.6		ND	U	100.00%	100.00%	100.00%
bis (2-Ethylhexyl)phthalate	µg	1	J/J	8.3		ND	U	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di n-Butylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	6.1		6		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	2.1		2.4		ND	U	100.00%	100.00%	100.00%

Table 3.9
Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	8.8		9.4		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**42.70**		**50.60**		**0.00**		**100.00%**	**100.00%**	**100.00%**

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 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.

Qualifiers:

J - Result is estimated

U - below reported quantitation limit

_L - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 6/26/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	8.9		7.4		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	0.42	J/J	ND	U	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	3.9		3.3		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	1		1		0.14	J/J	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	8.8		17		1.3	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	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
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	ND	U	ND	U	ND	U	NC	NC	NC

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

		Sampled 6/26/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	1.2		0.88	J/J	0.18	J/J	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**24.22**		**29.58**		**1.62**		**93.31%**	**94.52%**	**93.92%**

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 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.

Qualifiers:

J - Result is estimated

U - below reported quantitation limit

_' - Laboratory data qualifier

/_ - Data validation qualifier

Table 3.11
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.68	J/J	0.95	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	20		22		0.68	J/J	NC	NC	NC
1,3-Dichlorobenzene	µg	0.98	J/J	1.1		ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	2.3		2.6		0.41	J/J	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	1.7		2		0.16	J/J	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	2.5		2.5		ND	U	100.00%	100.00%	100.00%
bis(2-Ethylhexyl)phthalate	µg	1.6	J/J	1.3	J/J	2.4	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	1.9	J/J	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	1.3		1.5		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	8.1		9.7		ND	U	100.00%	100.00%	100.00%

Table 3.11
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	11		13		1		90.91%	92.31%	91.61%
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	**52.06**		**56.65**		**4.65**		**91.07%**	**91.79%**	**91.43%**

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 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.

Qualifiers:

J - Result is estimated

U - below reported quantitation limit

_/ - Laboratory data qualifier

/_ - Data validation qualifier

Table 3.12
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.6	J/J	0.78	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	15		20		0.77	J/J	NC	NC	NC
1,3-Dichlorobenzene	µg	0.73	J/J	0.87	J/J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	1.9		2.2		ND	U	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	1.5		2.2		0.19	J/J	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	1.9		2.2		ND	U	100.00%	100.00%	100.00%
bis(2-Ethylhexyl)phthalate	µg	2.3	J/J	3.5	J/J	2.5	J/J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	1.4		2		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	10		13		ND	U	100.00%	100.00%	100.00%

Table 3.12
Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent		Influent Dup		Effluent		Low	High	Average
Naphthalene	µg	8.9		14		1.2		86.52%	91.43%	88.97%
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	44.23		60.75		4.66		89.46%	92.33%	90.90%

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 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.

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

Table 3.13
SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) - April 2007
American Chemical Service
Griffith, Indiana

Compounds	Units	Sampled 4/27/07			
		SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	ND	U	2.2	
1,2-Dichlorobenzene	µg	7.9		32	
1,3-Dichlorobenzene	µg	1.1		1.4	
1,4-Dichlorobenzene	µg	2.1		3.3	
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	4.6		8.3	
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	4.2		4.3	
bis(2-Ethylhexyl)phthalate	µg	1.9	J/J	ND	U
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	ND	U	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	ND	U	ND	U
Di-n-Octylphthalate	µg	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U
Fluorene	µg	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	4.9		2.6	
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	2.2		28	

Table 3.13
SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) - April 2007
American Chemical Service
Griffith, Indiana

		Sampled 4/27/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
Naphthalene	µg	8.4		39	
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	2	J/J
Pyrene	µg	ND	U	ND	U
Total	µg	**37.30**		**123.10**	

Notes:
µg - Microgram
ND - Non-detect

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

Table 3.14
SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07			
Compounds	Units	SBPA ISVE		Off-Site ISVE	
1,2,4-Trichlorobenzene	µg	ND	U	1.6	
1,2-Dichlorobenzene	µg	10		26	
1,3-Dichlorobenzene	µg	1.3		1.1	
1,4-Dichlorobenzene	µg	2.8		3	
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	4		7.7	
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	0.52	J/J	ND	U
Acenaphthylene	µg	0.41	J/J	ND	U
Anthracene	µg	0.4	J/J	ND	U
Benzo(a)anthracene	µg	0.44	J/J	ND	U
Benzo(a)pyrene	µg	0.24	J/J	ND	U
Benzo(b)fluoranthene	µg	0.31	J/J	ND	U
Benzo(g,h,i)perylene	µg	0.33	J/J	ND	U
Benzo(k)fluoranthene	µg	0.38	J/J	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	3.2		3.3	
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	0.54	J/J	ND	U
Dibenz(a,h)anthracene	µg	0.28	J/J	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	ND	U	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	ND	U	ND	U
Di-n-Octylphthalate	µg	ND	U	ND	U
Fluoranthene	µg	0.45	J/J	ND	U
Fluorene	µg	0.53	J/J	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	5.3		3.1	
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	0.28	J/J	ND	U
Isophorone	µg	2.1		23	

Table 3.14
SBPA and Off-Site ISVE System Results for Method TO-13 (SVOCs) - May 2007
American Chemical Service
Griffith, Indiana

		Sampled 5/17/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
Naphthalene	µg	8		34	
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	0.45	J/J	ND	U
Phenol	µg	ND	U	2.1	J/J
Pyrene	µg	0.57	J/J	ND	U
Total	µg	**42.83**		**104.90**	

Notes:
µg - Microgram
ND - Non-detect

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

Table 3.15
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-01	4/24/2007	NM	NM	NM	System Down
	5/22/2007	44	73.0	8	
	6/8/2007	40	67.5	7	
SVE-02	4/24/2007	NM	NM	NM	System Down
	5/22/2007	4	73.5	9	
	6/8/2007	12	69.0	6	
SVE-03	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	73.0	5	
	6/8/2007	Water	67.5	6	
SVE-04	4/24/2007	NM	NM	NM	System Down
	5/22/2007	10	73.5	4	
	6/8/2007	6	68.5	5	
SVE-05	4/24/2007	NM	NM	NM	System Down
	5/22/2007	6	73.5	7	
	6/8/2007	11	69.0	7	
SVE-06	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	73.0	9	
	6/8/2007	Water	67.5	7	
SVE-07	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	63.0	Water	
	6/8/2007	Water	64.0	Water	
SVE-08	4/24/2007	NM	NM	NM	System Down
	5/22/2007	0	0.0	8	
	6/8/2007	0	0.0	8	
SVE-09	4/24/2007	NM	NM	NM	System Down
	5/22/2007	186	61.5	7	
	6/8/2007	178	57.5	7	
SVE-10	4/24/2007	NM	NM	NM	System Down
	5/22/2007	47	73.5	10	
	6/8/2007	11	68.5	6	
SVE-11	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	64.0	8	
	6/8/2007	180.0	60.5	7	
SVE-12	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	73.5	8	
	6/8/2007	Water	69.0	8	
SVE-13	4/24/2007	NM	NM	NM	System Down
	5/22/2007	7	72.0	151	
	6/8/2007	9	67.5	151	
SVE-14	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	71.5	Water	
	6/8/2007	Water	67.0	Water	
SVE-15	4/24/2007	NM	NM	NM	System Down
	5/22/2007	300	71.0	8	
	6/8/2007	266	65.5	8	

Table 3.15
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-16	4/24/2007	NM	NM	NM	System Down
	5/22/2007	71	71.5	61	
	6/8/2007	62	67.0	36	
SVE-17	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	72.0	110	
	6/8/2007	Water	67.5	83	
SVE-18	4/24/2007	NM	NM	NM	System Down
	5/22/2007	8	71.5	36	
	6/8/2007	125	67.5	41	
SVE-19	4/24/2007	NM	NM	NM	System Down
	5/22/2007	140	71.0	75	
	6/8/2007	67	66.0	73	
SVE-20	4/24/2007	NM	NM	NM	System Down
	5/22/2007	45	71.5	63	
	6/8/2007	117	66.5	65	
SVE-21	4/24/2007	NM	NM	NM	System Down
	5/22/2007	40	51.5	52	
	6/8/2007	36	47.5	53	
SVE-22	4/24/2007	NM	NM	NM	System Down
	5/22/2007	31	69.5	107	
	6/8/2007	25	65.0	132	
SVE-23	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	70.5	124	
	6/8/2007	Water	65.0	176	
SVE-24	4/24/2007	NM	NM	NM	System Down
	5/22/2007	178	71.0	86	
	6/8/2007	165	66.0	122	
SVE-25	4/24/2007	NM	NM	NM	System Down
	5/22/2007	27	38.0	84	
	6/8/2007	5	35.0	132	
SVE-26	4/24/2007	NM	NM	NM	System Down
	5/22/2007	41	70.5	39	
	6/8/2007	77	65.0	46	
SVE-27	4/24/2007	NM	NM	NM	System Down
	5/22/2007	14	27.0	116	
	6/8/2007	14	22.5	152	
SVE-28	4/24/2007	NM	NM	NM	System Down
	5/22/2007	32	72.0	150	
	6/8/2007	6	67.0	211	
SVE-29	4/24/2007	NM	NM	NM	System Down
	5/22/2007	7	72.0	146	
	6/8/2007	56	67.0	178	
SVE-30	4/24/2007	NM	NM	NM	System Down
	5/22/2007	8	71.5	138	
	6/8/2007	12	66.5	153	

Table 3.15
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-31	4/24/2007	NM	NM	NM	System Down
	5/22/2007	10	71.5	53	
	6/8/2007	18	67.0	64	
SVE-32	4/24/2007	NM	NM	NM	System Down
	5/22/2007	6	29.5	56	
	6/8/2007	32	24.5	57	
SVE-33	4/24/2007	NM	NM	NM	System Down
	5/22/2007	8	69.5	60	
	6/8/2007	14	65.0	64	
SVE-34	4/24/2007	NM	NM	NM	System Down
	5/22/2007	97	69.5	60	
	6/8/2007	83	65.0	78	
SVE-35	4/24/2007	NM	NM	NM	System Down
	5/22/2007	24	71.5	65	
	6/8/2007	76	67.0	69	
SVE-36	4/24/2007	NM	NM	NM	System Down
	5/22/2007	11	72.0	61	
	6/8/2007	14	67.5	86	
SVE-37	4/24/2007	NM	NM	NM	System Down
	5/22/2007	20	72.0	70	
	6/8/2007	21	67.5	85	
SVE-38	4/24/2007	NM	NM	NM	System Down
	5/22/2007	22	71.5	62	
	6/8/2007	29	66.5	74	
SVE-39	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	69.0	73	
	6/8/2007	Water	63.5	75	
SVE-40	4/24/2007	NM	NM	NM	System Down
	5/22/2007	237	68.5	70	
	6/8/2007	132	63.5	79	
SVE-41	4/24/2007	NM	NM	NM	System Down
	5/22/2007	Water	71.5	73	
	6/8/2007	Water	66.5	76	
SVE-42	4/24/2007	NM	NM	NM	System Down
	5/22/2007	19	72.0	74	
	6/8/2007	11	67.5	88	

Notes:

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

NM = Not measured, reason given in comments column

Flow was measured using a VelociCalc 8384 flow meter.

Vacuum pressures were measured with an Extech Manometer Model 407910.

Table 3.16

Off-Site In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - Second 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)
4/24/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/22/2007	12.1	0	73.5	12.2	0	72.5	71.5	71.5	71.5	0	12.0	703
6/8/2007	12.2	0	68.5	12.2	0	67.5	67	67.5	67	0	14.4	856

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 (%)
4/24/2007	NM	NM	NM	NM	NM	NM	NM	NM	NM	59	30.12	59%
5/22/2007	78.5	-	65	15.8	653	28.0	-	143	6.0	70	30.13	49%
6/8/2007	7.45	-	72	15.6	746	27.0	-	148	6.0	78	29.81	69%

Notes:

"-" = Data not collected

NM = Not measured for specific date due to system being down

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 3.17
SBPA In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-43	4/24/2007	NM	20.5	113	
	5/22/2007	11	43.5	42	
	6/8/2007	12	59.0	77	
SVE-44	4/24/2007	NM	85.5	104	
	5/22/2007	42	-	-	Air injection well
	6/8/2007	77	59.5	86	
SVE-45	4/24/2007	NM	103.0	153	
	5/22/2007	21	113.0	37	
	6/8/2007	14	59.0	70	
SVE-46	4/24/2007	NM	98.0	162	
	5/22/2007	Water	112.0	40	
	6/8/2007	8	59.0	64	
SVE-47	4/24/2007	NM	104.0	136	
	5/22/2007	15	112.5	39	
	6/8/2007	12	59.0	65	
SVE-48	4/24/2007	NM	100.0	222	
	5/22/2007	Water	113.5	62	
	6/8/2007	12	59.0	91	
SVE-49	4/24/2007	NM	-	-	Air injection well
	5/22/2007	-	-	-	
	6/8/2007	10	59.5	107	
SVE-50	4/24/2007	NM	99.0	147	
	5/22/2007	Water	113.0	35	
	6/8/2007	21	-	-	Air injection well
SVE-51	4/24/2007	NM	-	-	Air injection well
	5/22/2007	Water	114.0	43	
	6/8/2007	9	60.0	91	
SVE-52	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	-	-	-	
SVE-53	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	-	-	-	
SVE-54	4/24/2007	NM	100.5	200	
	5/22/2007	-	-	-	
	6/8/2007	26	-	-	Air injection well
SVE-55	4/24/2007	NM	103.0	242	
	5/22/2007	15	112.5	37	
	6/8/2007	18	59.0	109	
SVE-56	4/24/2007	NM	91.0	126	
	5/22/2007	Water	112.0	40	
	6/8/2007	63	59.0	120	
SVE-57	4/24/2007	NM	100.0	148	
	5/22/2007	Water	112.5	42	
	6/8/2007	9	59.0	101	
SVE-58	4/24/2007	NM	106.5	136	
	5/22/2007	Water	113.0	56	
	6/8/2007	27	61.0	101	

Table 3.17
SBPA In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	Date	Flow (cfm)	Vac (" H2O)	VOCs (ppm)	Comments
SVE-59	4/24/2007	NM	102.0	168	
	5/22/2007	6	-	-	Air injection well
	6/8/2007	12	59.5	99	
SVE-60	4/24/2007	NM	107.5	106	
	5/22/2007	Water	114.0	93	
	6/8/2007	6	60.5	150	
SVE-61	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	-	-	-	
SVE-62	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	-	-	-	
SVE-63	4/24/2007	-	-	-	
	5/22/2007	Water	53.0	28	
	6/8/2007	10	59.5	104	
SVE-64	4/24/2007	-	-	-	
	5/22/2007	14	114.0	22	
	6/8/2007	11	59.5	114	
SVE-65	4/24/2007	NM	-	-	Air injection well
	5/22/2007	-	-	-	
	6/8/2007	37.0	59.5	96	
SVE-66	4/24/2007	NM	104.5	130	
	5/22/2007	Water	113.5	36	
	6/8/2007	22	59.0	147	
SVE-67	4/24/2007	NM	96.0	123	
	5/22/2007	67	110.0	37	
	6/8/2007	50	59.0	72	
SVE-68	4/24/2007	NM	47.0	124	
	5/22/2007	80	112.0	39	
	6/8/2007	60	59.0	77	
SVE-69	4/24/2007	NM	103.0	137	
	5/22/2007	12	112.5	41	
	6/8/2007	22	59.5	83	
SVE-70	4/24/2007	NM	108.0	148	
	5/22/2007	Water	115.5	61	
	6/8/2007	423	3.0	108	
SVE-71	4/24/2007	NM	-	-	Air injection well
	5/22/2007	Water	117.0	80	
	6/8/2007	22	61.0	175	
SVE-72	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	-	-	-	
SVE-73	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	26	-	-	Air injection well
SVE-74	4/24/2007	NM	108.0	152	
	5/22/2007	36	115.0	37	
	6/8/2007	23	60.0	24	
SVE-75	4/24/2007	NM	85.5	117	
	5/22/2007	119	108.0	23	
	6/8/2007	97	57.5	119	

Table 3.17
SBPA In-Situ Soil Vapor Extraction (ISVE) System Well Monitoring Data
Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	*Date*	*Flow (cfm)*	*Vac (" H2O)*	*VOCs (ppm)*	*Comments*
SVE-76	4/24/2007	NM	102.5	127	
	5/22/2007	28	112.5	38	
	6/8/2007	28	59.0	184	
SVE-77	4/24/2007	-	-	-	
	5/22/2007	-	-	-	*Well down for repairs*
	6/8/2007	-	-	-	
SVE-78	4/24/2007	-	-	-	
	5/22/2007	Water	113.0	35	
	6/8/2007	-	-	-	
SVE-79	4/24/2007	NM	107.0	122	
	5/22/2007	12	116.0	74	
	6/8/2007	4	-	-	Air injection well
SVE-80	4/24/2007	NM	108.0	97	
	5/22/2007	28	-	-	Air injection well
	6/8/2007	25	61.0	141	
SVE-81	4/24/2007	NM	107.5	111	
	5/22/2007	5	116.0	100	
	6/8/2007	11	-	-	Air injection well
SVE-82	4/24/2007	NM	-	-	Air injection well
	5/22/2007	Water	116.5	78	
	6/8/2007	12	60.5	172	
SVE-83	4/24/2007	NM	107.5	150	
	5/22/2007	Water	114.0	96	
	6/8/2007	26	60.5	151	
SVE-84	4/24/2007	-	-	-	
	5/22/2007	41	-	-	Air injection well
	6/8/2007	24	60.5	176	
SVE-85	4/24/2007	NM	108.0	163	
	5/22/2007	14	116.0	81	
	6/8/2007	23	60.5	119	
SVE-86	4/24/2007	NM	108.5	176	
	5/22/2007	59	116.0	101	
	6/8/2007	20	61.0	184	
SVE-87	4/24/2007	-	-	-	*Well down for repairs*
	5/22/2007	-	-	-	Well down for repairs
	6/8/2007	-	-	-	Well down for repairs
SVE-88	4/24/2007	-	-	-	
	5/22/2007	-	-	-	
	6/8/2007	-	-	-	

Notes:

"-" = data not collected

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

NM = Not measured, reason given in comments column

Flow was measured using a VelociCalc 8384 flow meter.

Vacuum pressures were measured with an Extech Manometer Model 407910.

Table 3.18

SBPA In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - Second 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)
4/24/2007	10.9	1173	106	10.9	955	108.0	0	11.2	1842	100	-
5/22/2007	10.7	3540	114	10.7	1250	114.5	0	11.2	4768	100	-
6/8/2007	12.5	627	60	12.5	512	60.5	0	11.0	1444	100	-

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 (%)
4/24/2007	57	14.8	1072	0.0	185	167	11.0	69	30.07	38%
5/22/2007	57	14.8	906	0.0	-	224	20.0	81	30.11	30%
6/8/2007	56	14.6	1015	0.0	-	156	20.0	75	29.81	57%

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

Upper Aquifer Wells

Well Designation	Reference Points			4/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOIC	Level	Elevation		
MW1[illegible]	6377	7329	640.47	4.24	636.23		n/a
MW13	5050	7814	634.08	2.65	631.43		n/a
MW37	5395	7976	636.78	3.91	632.87		n/a
MW46	4526	7424	633.32	2.26	631.06		n/a
MW48	5669	7814	636.36	3.75	632.61		n/a
MW49	5551	7650	637.00	3.81	633.19		n/a

Staff Gauges & Piezometers

Well Designation	Reference Points			4/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOSG	Level	Elevation		
P23	4689	7018	636.18	4.95	631.23		n/a
P25	5131	7510	633.33	1.37	631.96		n/a
P26	4764	7309	634.23	3.24	630.99		n/a
P27	4904	7020	639.70	7.75	631.95		n/a
P28	5883	7486	644.53	9.32	635.21		n/a
P32	5746	7026	642.32	10.70	631.62		n/a
P40	5931	7241	638.77	3.17	635.60		n/a
P41	5663	7377	637.23	2.22	635.01		n/a
P49	5145	6949	638.98	10.21	628.77		n/a
SG13	4819	7209	631.53	5.50	631.03	TOSG = 6.0' mark	n/a

PGCS Piezometer Sets

Well Designation	Reference Points			4/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOC	Level	Elevation		
P81	5577	7581	636.19	3.20	632.99		n/a
P82	5577	7572	635.77	2.96	632.81		n/a
P83	5577	7561.6	635.95	2.49	633.46		n/a
P84	5322	7603	634.35	2.30	632.05		n/a
P85	5326	7594	634.08	1.95	632.13		n/a
P86	5329	7585	634.41	2.14	632.27		n/a
P87	5121	7466	633.88	2.73	631.15		n/a
P88	5130	7460	633.90	2.33	631.57		n/a
P89	5137	7454	634.02	2.36	631.66		n/a
P90	4881	7152	634.45	3.46	630.99		n/a
P91	4889	7145	634.59	3.64	630.95		n/a
P92	4896	7138.1	633.87	3.10	630.77		n/a

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

B WES Water Level and Piezometer Pairs

Well Designation	Reference Points			4/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOC	Level	Elevation		
93R - Outside BW	TBD	TBD	639.05	6.97	632.08	Installed Nov. 2004	-3.24
94R - Inside BW	TBD	TBD	640.99	12.15	628.84	Installed Nov. 2004	
95 - Outside BW	5146	6532	638.58	5.33	633.25		-9.32
96 - Inside BW	5156	6537	641.26	17.33	623.93		
105 - Outside BW	5885	6678	638.86	2.06	636.80		-8.46
106 - Inside BW	5871	6685	638.10	9.76	628.34		
107 - Outside BW	5766	7339	637.42	2.45	634.97		-3.42
108 - Inside BW	5757	7324	638.13	6.58	631.55		
109 - Outside BW	5740	6387	644.30	7.73	636.57		-8.40
110 - Inside BW	5705	6382	647.68	19.51	628.17		
111 - Outside BW	5551	5950	650.03	14.33	635.70		-8.62
112 - Inside BW	5525	5960	653.36	26.28	627.08		
113 - Inside BW	5309	5693	657.53	29.61	627.92		-6.98
RCPZ102 - Outside BW	5331	5612	652.47	17.57	634.90		
114 - Inside BW	5035	5729	653.69	25.13	628.56		-6.31
115 - Outside BW	4970	5708	652.50	17.63	634.87		
116 - Inside BW	5031	6087	646.26	17.69	628.57		-5.99
117 - Outside BW	5014	6087	643.93	9.37	634.56		
118 - Inside BW	5402	6539	645.52	18.18	627.34		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

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.

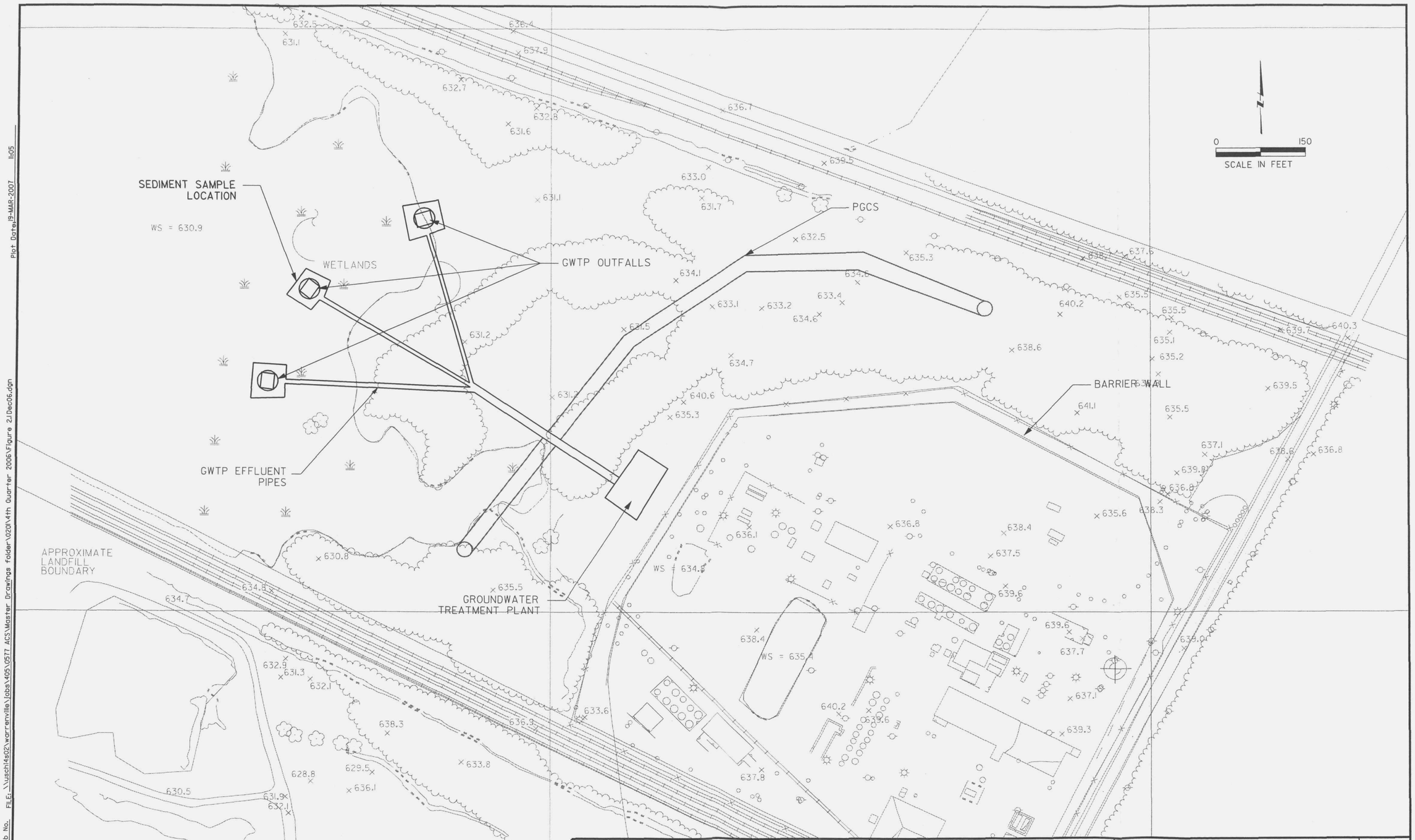
Table 6.2
Water Levels Inside Barrier Wall - Second Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Date	On-Site Area					
	Target Level	P-29	P-31	P-32	P-36	P-49
4/20/2007	629.0	630.4	630.9	631.6	624.9	628.9
5/4/2007	629.0	630.4	630.9	632.1	626.2	630.2
5/18/2007	629.0	630.4	630.9	631.7	626.3	628.8
6/1/2007	629.0	630.4	630.9	631.4	626.4	628.4
6/15/2007	629.0	630.4	630.9	631.5	626.9	629.7
6/29/2007	629.0	630.4	630.9	631.6	627.0	629.0

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
4/20/2007	626.0	620.9	628.3	627.1	627.9	628.7	628.5	627.4	NM	NM	NM
5/4/2007	626.0	621.5	628.2	627.0	627.9	628.3	627.6	627.3	NM	NM	NM
5/18/2007	626.0	623.2	627.6	627.0	626.9	627.1	626.5	627.2	NM	NM	NM
5/22/2007	626.0	NM	NM	NM	NM	NM	NM	NM	629.73	627.27	627.08
6/1/2007	626.0	623.4	627.2	626.9	627.1	627.4	627.1	627.1	NM	NM	NM
6/15/2007	626.0	624.0	627.8	627.7	628.2	628.6	628.9	627.4	NM	NM	NM
6/25/2007	626.0	NM	NM	NM	NM	NM	NM	NM	628.57	628.15	627.88
6/29/2007	626.0	623.1	627.5	627.4	627.9	628.6	628.7	627.4	NM	NM	NM

Notes:
All water level elevations are in feet AMSL.

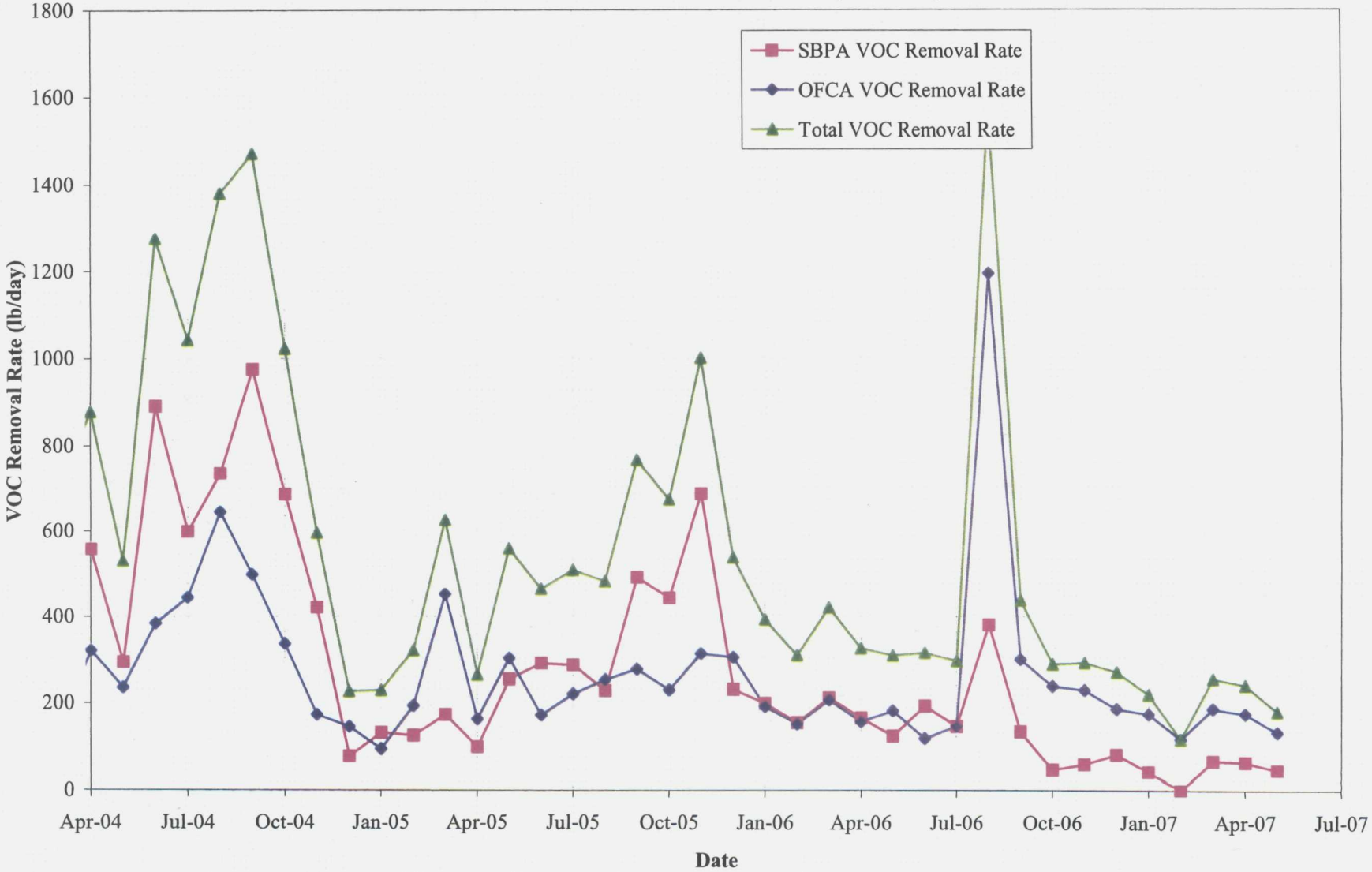
FIGURES



SCALE			FIGURE
1" = 150'	MWH	AMERICAN CHEMICAL SERVICE, INC. GRIFFITH, INDIANA	ANNUAL SEDIMENT SAMPLE COLLECTION LOCATION	2.1

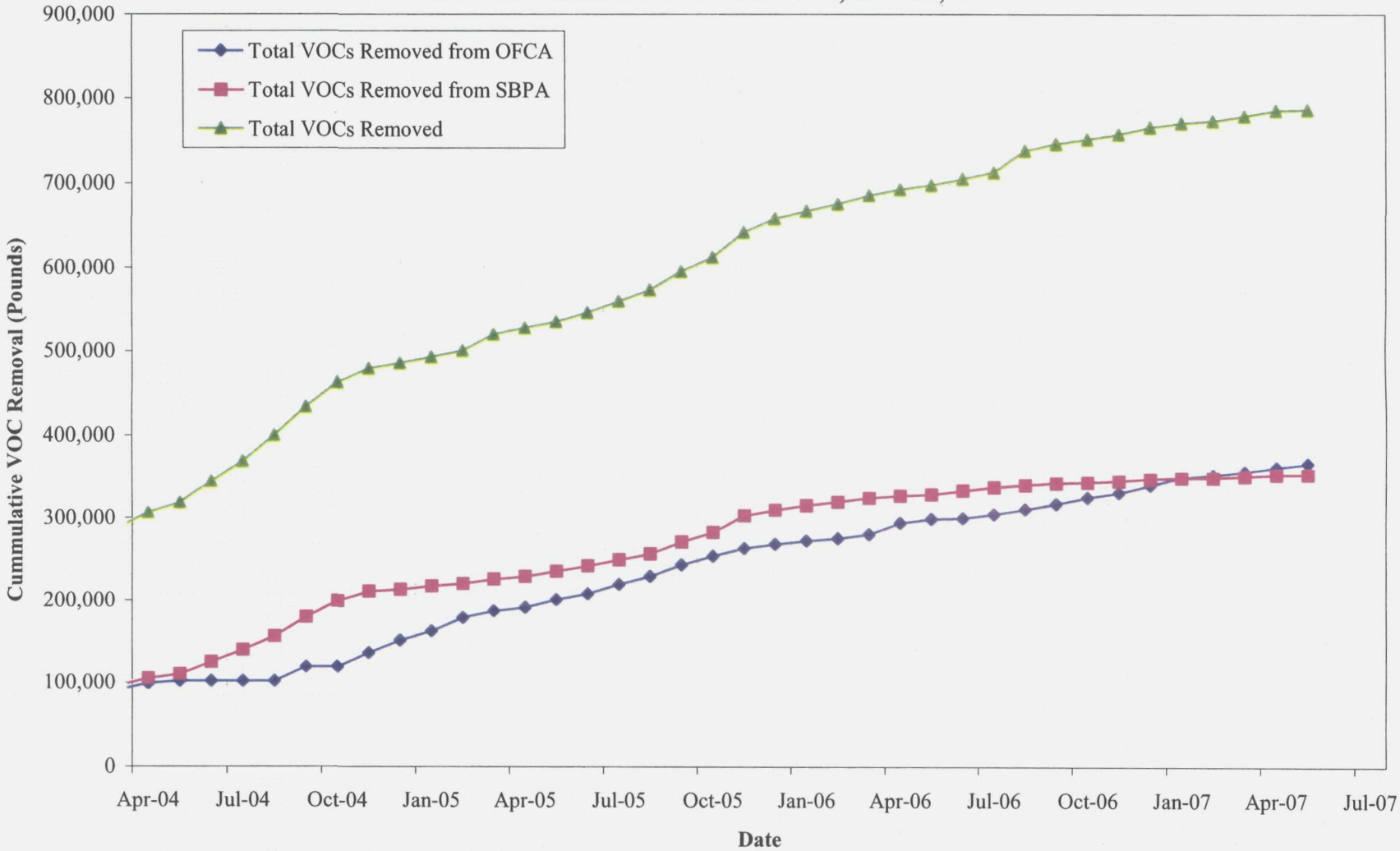
JOB No. MW Job No. FILE: \\uschi4s02\warrenville\Jobs\405\0577 ACS\Master Drawings folder\2006\4th Quarter 2006\Figure 2.1Dec06.dgn Plot Date: 19-MAR-2007 11:05

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

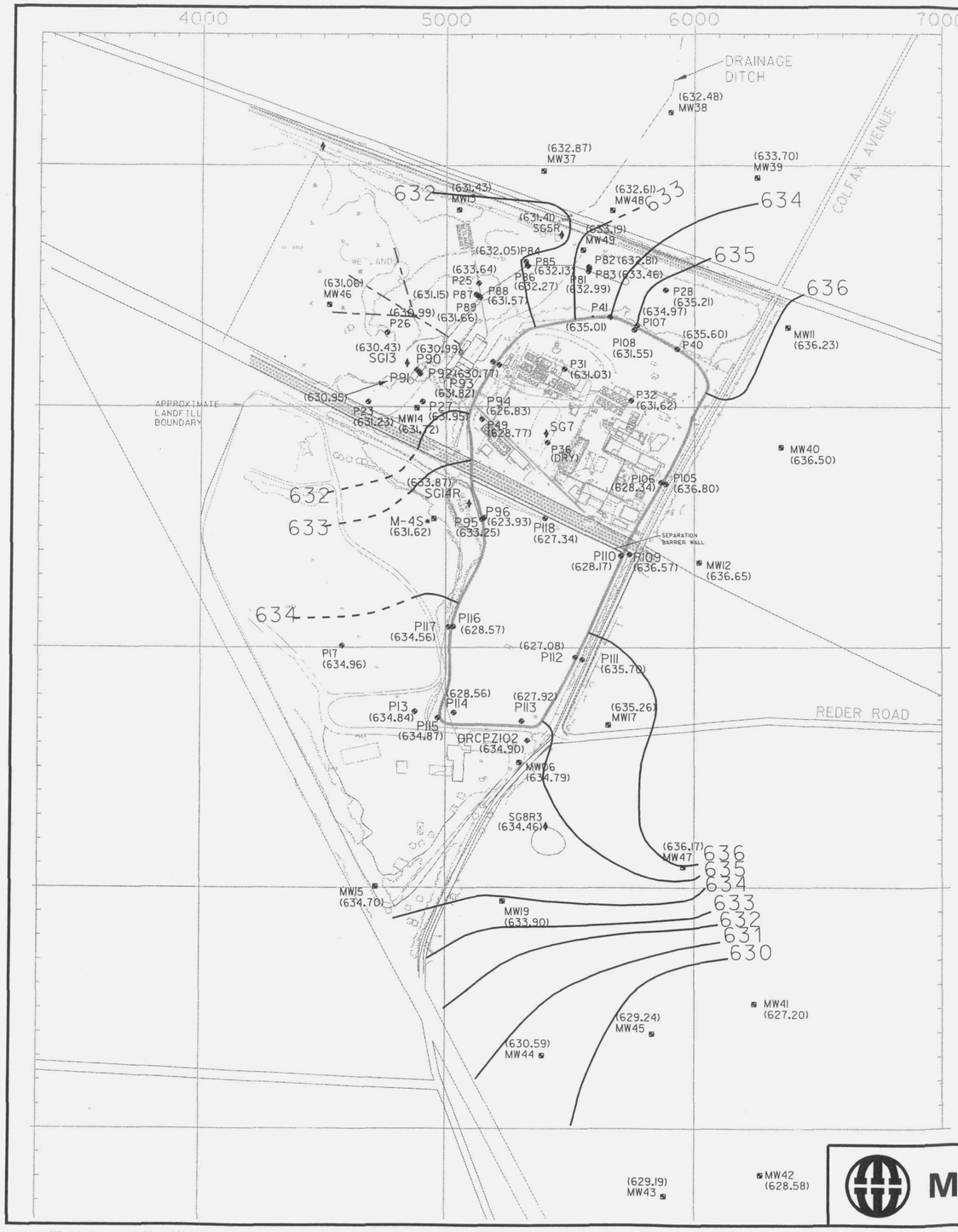


ACB/CDC/CAD
J:\jobs\405\0577 ACS\0201 Engr\05770201a082.xls\Figure 3.1

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



ACB/CDC/CAD
J:\jobs\405\0577 ACS\0201 Engr\05770201a082.xls\Figure 3.2



LEGEND

- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM
- MW13 — UPPER AQUIFER WELL LOCATION AND DESIGNATION
- P25 — PIEZOMETER LOCATION AND DESIGNATION
- SG5R — STAFF GAUGE LOCATION AND DESIGNATION
- (636.23) — GROUNDWATER ELEVATION
- 631 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
- (DRY) — WELL WAS DRY
- • — ELEVATION NOT USED IN CONTOURING

NOTES:

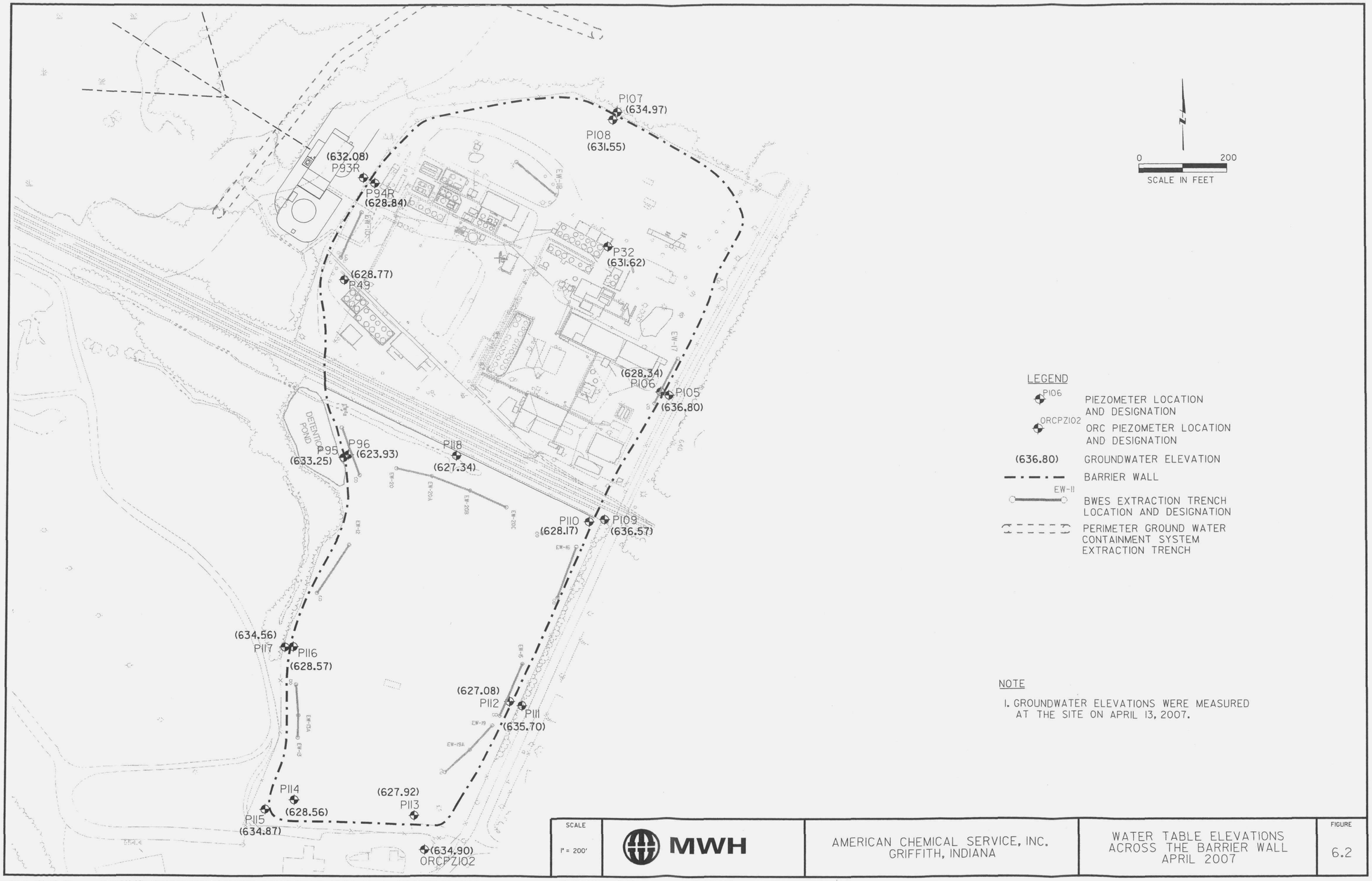
1. P93 AND P94 WERE INSTALLED IN NOVEMBER 2004.
2. GROUNDWATER ELEVATIONS WERE MEASURED ON APRIL 13, 2007.
3. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

0 500 1000

SCALE IN FEET

MWH	SCALE	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	UPPER AQUIFER WATER TABLE CONTOUR MAP APRIL 2007	FIGURE
	AS SHOWN			6.1

JOB No. MW Job No. FILE: \\uschi4s02\warrenville\Jobs\405\0577 ACS\Master Drawings folder\020\2nd Quarter 2007\Figure 6.1Jul07.dgn Plot Date: 12-SEP-2007 12:00 DPP/JEF



NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON APRIL 13, 2007.

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

JOB No. MW Job No. FILE: \\uschi4s02\warrenville\jobs\405\0577 ACS\Master Drawings folder\0201\2nd Quarter 2007\Figure 6.2 Jul07.dgn Plot Date: 07-AUG-2007 09:32 DPP/JEF

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

Plot Date: 19-MAR-2007 11:34

File: J:/405/0577 ACS/master cadd files/020/3rd quarter 2006/figure63.dgn

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

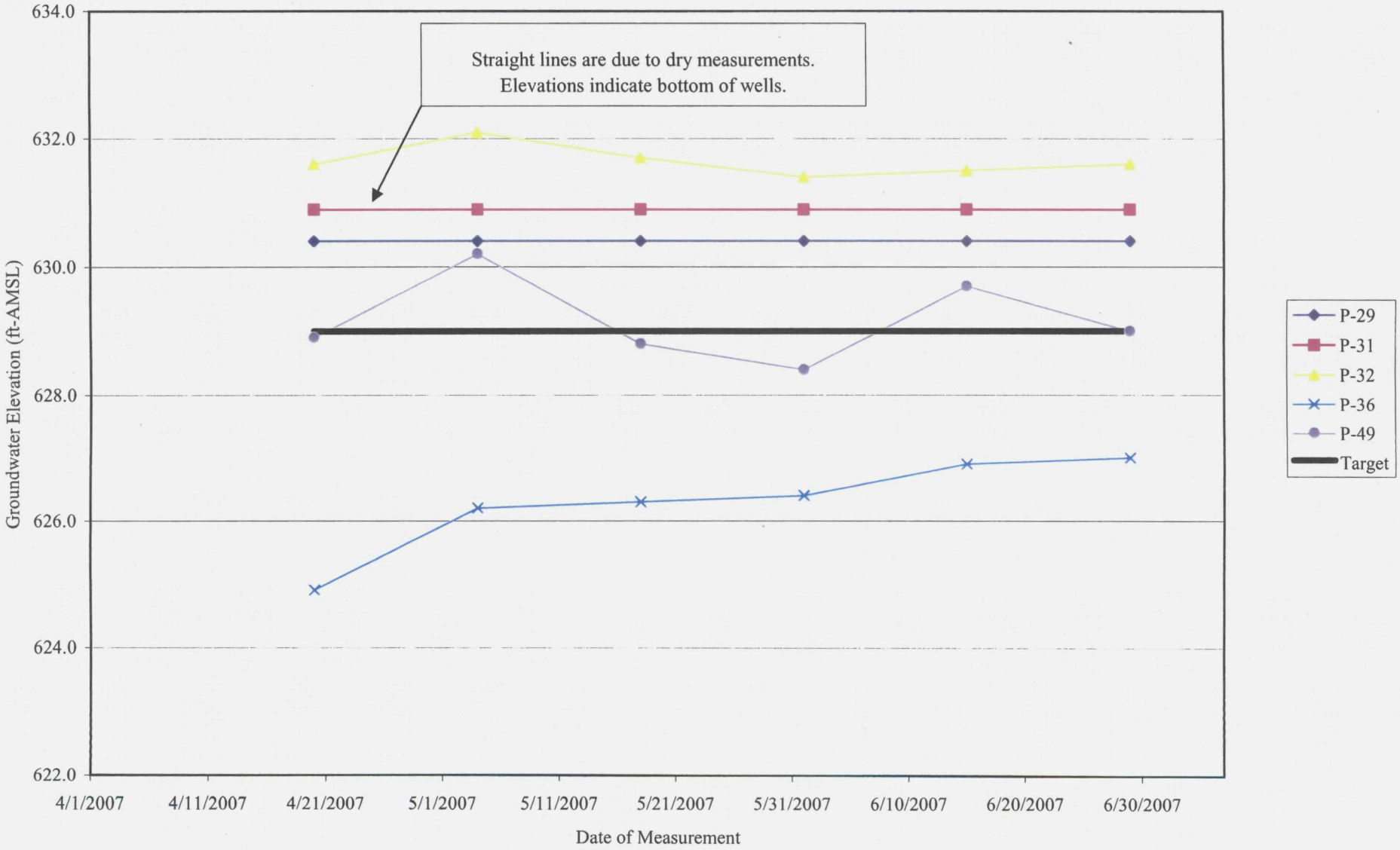


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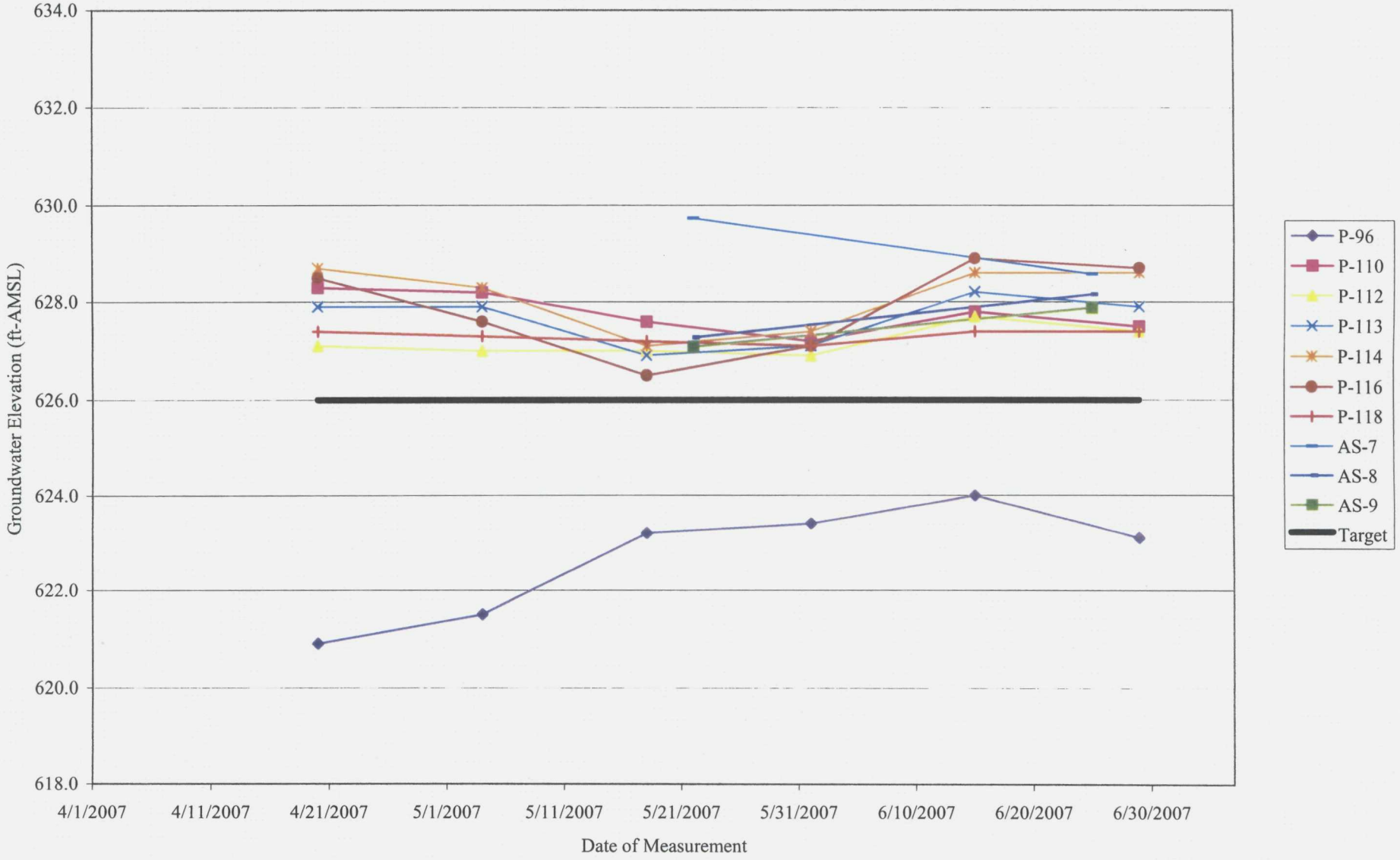
Figure 6.5
Water Level Trends Inside the Barrier Wall (Off-Site Area)
ACS NPL Site
Griffith, Indiana



JEF/CAD
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APPENDIX A

EFFLUENT ANALYTICAL DATA

April 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.: 12742

Matrix: (soil/water) WATER Lab Sample ID: 1274201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1274201B61

Level: (low/med) LOW Date Received: 04/11/07

% Moisture: not dec. _____ Date Analyzed: 04/17/07

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	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U UJ
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U UJ
67-64-1	Acetone	2.5	U UJ
75-09-2	Methylene Chloride	0.33	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-butanone	2.5	U UJ
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	2.5	U UJ
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U 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 UJ
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

(MW 60507)

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.: 12742

Matrix: (soil/water) WATER Lab Sample ID: 1274201

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1274201B61

Level: (low/med) LOW Date Received: 04/11/07

% Moisture: not dec. _____ Date Analyzed: 04/17/07

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

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

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

FORM I VOA

Unobserved

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.: 12742

Matrix: (soil/water) WATER Lab Sample ID: 1274201

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1274201A70

Level: (low/med) LOW Date Received: 04/11/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 04/12/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 04/12/07

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

Kuobotu7

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.: 12742

Matrix: (soil/water) WATER Lab Sample ID: 1274201

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1274201A62

Level: (low/med) LOW Date Received: 04/11/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:04/12/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/15/07

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	1.0	U

FORM I SV 8270C

Muobotg

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.: 12742

Matrix: (soil/water) WATER Lab Sample ID: 1274201

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 04/11/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/12/07

Concentrated Extract Volume: 2500(uL) Date Analyzed: 04/12/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
11141-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U

FORM I PEST

[illegible]

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 12742

Matrix (soil/water): WATER Lab Sample ID: 1274201

Level (low/med): LOW Date Received: 4/11/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	4.2	B		P	
7440-41-7	Beryllium	0.20	U		P	
7440-43-9	Cadmium	0.20	U		P	
7439-97-6	Mercury	0.10	U		CV	
7439-96-5	Manganese	15.9			P	
7782-49-2	Selenium	2.9	U		P	
7440-28-0	Thallium	4.9	U		P	
7440-66-6	Zinc	5.4	B		P	UB

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Immobolized

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Cary, NC 27513-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 12742
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 1274201 Date Collected: 4/10/2007 14:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 4/11/2007 12:21

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	6.75	PH UNITS	NA	1			4/13/2007	2477			
TTL SSPND SOLIDS (TSS) 160.2 W		Analytical Method: EPA 160.2									
TSS	0.500B	mg/L	1.00	1			4/17/2007	2152			

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ANALYTICAL REPORT

Sample ID:	Effluent	Project:	ACS
Lab #:	C705060-01	Work Order #:	C705060
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Biochemical Oxygen Demand	NA	2.0 U	2.0	2.0	mg/L	EPA 405.1	NO PREP	7D11019

May 22, 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.: 13038

Matrix: (soil/water) WATER Lab Sample ID: 1303801

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1303801A73

Level: (low/med) LOW Date Received: 05/23/07

% Moisture: not dec. _____ Date Analyzed: 05/23/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.95	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	1.2	
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U
67-64-1	Acetone	2.2	JB 2.5 UBJ
75-09-2	Methylene Chloride	0.49	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.31	J
156-59-2	cis-1,2-Dichloroethene	0.20	J
78-93-3	2-butanone	2.5	U
67-66-3	Chloroform	0.14	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	2.5	U
108-88-3	Toluene	0.33	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U

FORM I VOA

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.: 13038

Matrix: (soil/water) WATER Lab Sample ID: 1303801

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1303801A73

Level: (low/med) LOW Date Received: 05/23/07

% Moisture: not dec. _____ Date Analyzed: 05/23/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
540-59-0	1,2-Dichloroethene (total)	0.19	J
1330-20-7	Xylene (total)	0.50	U

FORM I VOA

6/26/07

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Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 13038
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID: 1303801 Date Collected: 5/22/2007 02:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 5/23/2007 10:20

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	7.50	PH UNITS	NA	1			5/23/2007	2477			

REPORT OF LABORATORY ANALYSIS
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June 20, 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.: 13226

Matrix: (soil/water) WATER Lab Sample ID: 1322601

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1322601A71

Level: (low/med) LOW Date Received: 06/21/07

% Moisture: not dec. _____ Date Analyzed: 06/26/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U UJ
75-01-4	Vinyl Chloride	0.60	J
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.53	J
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U
67-64-1	Acetone	2.5 UB 1.7	JB J
75-09-2	Methylene Chloride	0.41	JB 0.50 UBJ
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.30	J J
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-butanone	2.5	U UJ
67-66-3	Chloroform	0.21	J J
71-55-6	1,1,1-Trichloroethane	0.50	U UJ
56-23-5	Carbon Tetrachloride	0.50	U UJ
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	2.5	U UJ
108-88-3	Toluene	0.32	J J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-hexanone	2.5	U UJ
124-48-1	Dibromochloromethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U

FORM I VOA

7/16/07

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.: 13226

Matrix: (soil/water) WATER Lab Sample ID: 1322601

Sample wt/vol: 25 (g/ml) ML Lab File ID: 1322601A71

Level: (low/med) LOW Date Received: 06/21/07

% Moisture: not dec. _____ Date Analyzed: 06/26/07

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

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

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

FORM I VOA

7/16/07

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ANALYTICAL RESULTS

Project 13226
Project ID: ACS 7010311
Solid results are reported on a dry weight basis.

Lab ID 1322601 Date Collected: 6/20/2007 14:00 Matrix: Water
Sample ID: EFFLUENT Date Received: 6/21/2007 12:00

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	7.79	PH UNITS	0.00	1			6/28/2007	2477		J	

7/16/07

REPORT OF LABORATORY ANALYSIS
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APPENDIX B

THERMAL OXIDIZER OFF-GAS ANALYTICAL DATA

April 27, 2007 Off-Gas Sample Laboratory Results

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705028AR1-01A

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

File Name:	7050511	Date of Collection:	4/27/07
Dil. Factor:	596	Date of Analysis:	5/5/07 06:13 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	300	720	760	1800
Bromomethane	300	Not Detected	1200	Not Detected
Chloroethane	300	Not Detected	790	Not Detected
1,1-Dichloroethene	300	650	1200	2600
Methylene Chloride	300	44000	1000	150000
1,1-Dichloroethane	300	5100	1200	21000
cis-1,2-Dichloroethene	300	1900	1200	7500
Chloroform	300	2400	1400	12000
1,1,1-Trichloroethane	300	34000	1600	180000
Carbon Tetrachloride	300	Not Detected	1900	Not Detected
Benzene	300	15000	950	47000
1,2-Dichloroethane	300	830	1200	3400
Trichloroethene	300	14000	1600	74000
1,2-Dichloropropane	300	180 J 15	1400	810 J
cis-1,3-Dichloropropene	300	Not Detected	1400	Not Detected
Toluene	300	76000	1100	290000
trans-1,3-Dichloropropene	300	Not Detected	1400	Not Detected
1,1,2-Trichloroethane	300	Not Detected	1600	Not Detected
Tetrachloroethene	300	9300	2000	63000
Chlorobenzene	300	Not Detected	1400	Not Detected
Ethyl Benzene	300	4200	1300	18000
m,p-Xylene	300	15000	1300	65000
o-Xylene	300	4800	1300	21000
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	2500	Not Detected
Acetone	1200	26000	2800	63000
Carbon Disulfide	1200	200 J 15	3700	620 J
trans-1,2-Dichloroethene	1200	Not Detected	4700	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1200	25000	3500	75000
4-Methyl-2-pentanone	1200	5900	4900	24000
2-Hexanone	1200	66 J 15	4900	270 J
Bromoform	1200	Not Detected	12000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07 OMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705028AR1-01A

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

File Name:	7050511	Date of Collection:	4/27/07
Dil. Factor:	59B	Date of Analysis:	5/5/07 06:13 PM

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

6/7/07
CPS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Lab Duplicate

Lab ID#: 0705028AR1-01B

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

File Name:	70504f10	Date of Collection:	4/27/07
Dil. Factor:	89.3	Date of Analysis:	5/4/07 03:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	45	750	110	1900
Bromomethane	45	Not Detected	170	Not Detected
Chloroethane	45	180	120	490
1,1-Dichloroethene	45	380	180	1500
Methylene Chloride	45	50000 E	160	170000 E
1,1-Dichloroethane	45	6000	180	24000
cis-1,2-Dichloroethene	45	2300	180	9000
Chloroform	45	3000	220	15000
1,1,1-Trichloroethane	45	40000 E	240	220000 E
Carbon Tetrachloride	45	Not Detected	280	Not Detected
Benzene	45	20000 E	140	65000 E
1,2-Dichloroethane	45	1100	180	4500
Trichloroethene	45	22000 E	240	120000 E
1,2-Dichloropropane	45	240	210	1100
cis-1,3-Dichloropropene	45	Not Detected	200	Not Detected
Toluene	45	100000 E	170	380000 E
trans-1,3-Dichloropropene	45	Not Detected	200	Not Detected
1,1,2-Trichloroethane	45	Not Detected	240	Not Detected
Tetrachloroethene	45	20000 E	300	140000 E
Chlorobenzene	45	42 J /5	200	190 J
Ethyl Benzene	45	12000	190	55000
m,p-Xylene	45	45000 E	190	200000 E
o-Xylene	45	17000	190	74000
Styrene	45	Not Detected	190	Not Detected
1,1,2,2-Tetrachloroethane	45	Not Detected	310	Not Detected
Bromodichloromethane	45	Not Detected	300	Not Detected
Dibromochloromethane	45	Not Detected	380	Not Detected
Chloromethane	180	41 J /5	370	84 J
Acetone	180	31000 E	420	74000 E
Carbon Disulfide	180	18 J /5	560	55 J
trans-1,2-Dichloroethene	180	43 J /5	710	170 J
2-Butanone (Methyl Ethyl Ketone)	180	34000 E	530	100000 E
4-Methyl-2-pentanone	180	12000	730	50000
2-Hexanone	180	180	730	730
Bromoform	180	Not Detected	1800	Not Detected

E = Exceeds instrument calibration range.
J = Estimated value.
Container Type: 6 Liter Summa Canister

6/7/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Lab Duplicate

Lab ID#: 0705028AR1-01B

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

File Name:	7050410	Date of Collection:	4/27/07
Dil. Factor:	89.3	Date of Analysis:	5/4/07 03:55 PM

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

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705028AR1-02A

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

File Name:	7050406	Date of Collection:	4/27/07
Dil. Factor:	268	Date of Analysis:	5/4/07 11:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	570	340	1500
Bromomethane	130	Not Detected	520	Not Detected
Chloroethane	130	240	350	650
1,1-Dichloroethene	130	690	530	2700
Methylene Chloride	130	2800	460	9800
1,1-Dichloroethane	130	1400	540	5500
cis-1,2-Dichloroethene	130	9200	530	36000
Chloroform	130	3200	650	16000
1,1,1-Trichloroethane	130	14000	730	75000
Carbon Tetrachloride	130	Not Detected	840	Not Detected
Benzene	130	2600	430	8400
1,2-Dichloroethane	130	240	540	980
Trichloroethene	130	9200	720	50000
1,2-Dichloropropane	130	170	620	780
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	19000	910	130000
Chlorobenzene	130	38 J	620	180 J
Ethyl Benzene	130	6100	580	26000
m,p-Xylene	130	23000	580	100000
o-Xylene	130	10000	580	46000
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	390 J	1300	930 J
Carbon Disulfide	540	Not Detected	1700	Not Detected
trans-1,2-Dichloroethene	540	Not Detected	2100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	540	470 J	1600	1400 J
4-Methyl-2-pentanone	540	790	2200	3200
2-Hexanone	540	Not Detected	2200	Not Detected
Bromoform	540	Not Detected	5500	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07
GRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705028AR1-02A

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

File Name:	7050408	Date of Collection:	4/27/07
Dil. Factor:	268	Date of Analysis:	5/4/07 11:18 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

6/7/07
ABS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705028AR1-03A

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

File Name:	7050509	Date of Collection:	4/27/07
Dil. Factor:	107	Date of Analysis:	5/5/07 04:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	54	240	140	600
Bromomethane	54	Not Detected	210	Not Detected
Chloroethane	54	94	140	250
1,1-Dichloroethene	54	190	210	750
Methylene Chloride	54	1300	180	4500
1,1-Dichloroethane	54	580	220	2400
cis-1,2-Dichloroethene	54	4000	210	16000
Chloroform	54	1400	260	6900
1,1,1-Trichloroethane	54	6400	290	35000
Carbon Tetrachloride	54	Not Detected	340	Not Detected
Benzene	54	1100	170	3600
1,2-Dichloroethane	54	110	220	430
Trichloroethene	54	4000	290	21000
1,2-Dichloropropane	54	74	250	340
cis-1,3-Dichloropropene	54	Not Detected	240	Not Detected
Toluene	54	11000	200	42000
trans-1,3-Dichloropropene	54	Not Detected	240	Not Detected
1,1,2-Trichloroethane	54	Not Detected	290	Not Detected
Tetrachloroethene	54	7600	360	52000
Chlorobenzene	54	15 J	250	68 J
Ethyl Benzene	54	2200	230	9800
m,p-Xylene	54	8400	230	36000
o-Xylene	54	3800	230	16000
Styrene	54	Not Detected	230	Not Detected
1,1,2,2-Tetrachloroethane	54	Not Detected	370	Not Detected
Bromodichloromethane	54	Not Detected	360	Not Detected
Dibromochloromethane	54	Not Detected	460	Not Detected
Chloromethane	210	Not Detected	440	Not Detected
Acetone	210	190 J	510	460 J
Carbon Disulfide	210	Not Detected	670	Not Detected
trans-1,2-Dichloroethene	210	38 J	850	150 J
2-Butanone (Methyl Ethyl Ketone)	210	210	630	630
4-Methyl-2-pentanone	210	320	880	1300
2-Hexanone	210	Not Detected	880	Not Detected
Bromoform	210	Not Detected	2200	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07
CKS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705028AR1-03A

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

File Name:	7050509	Date of Collection:	4/27/07
Dil. Factor:	107	Date of Analysis:	5/5/07 04:55 PM

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

6/7/07
GDS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705028AR1-04A

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

File Name:	7050510	Date of Collection:	4/27/07
Dil. Factor:	268	Date of Analysis:	5/5/07 05:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	520	340	1300
Bromomethane	130	Not Detected	520	Not Detected
Chloroethane	130	180	350	480
1,1-Dichloroethene	130	390	530	1600
Methylene Chloride	130	2700	460	9400
1,1-Dichloroethane	130	1200	540	4900
cis-1,2-Dichloroethene	130	8000	530	32000
Chloroform	130	2900	650	14000
1,1,1-Trichloroethane	130	13000	730	70000
Carbon Tetrachloride	130	Not Detected	840	Not Detected
Benzene	130	2200	430	7200
1,2-Dichloroethane	130	210	540	840
Trichloroethene	130	7900	720	42000
1,2-Dichloropropane	130	140	620	660
cis-1,3-Dichloropropene	130	Not Detected	610	Not Detected
Toluene	130	22000	500	84000
trans-1,3-Dichloropropene	130	Not Detected	610	Not Detected
1,1,2-Trichloroethane	130	Not Detected	730	Not Detected
Tetrachloroethene	130	15000	910	100000
Chlorobenzene	130	Not Detected	620	Not Detected
Ethyl Benzene	130	4800	580	21000
m,p-Xylene	130	18000	580	77000
o-Xylene	130	8000	580	34000
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	370 J /5	1300	880 J
Carbon Disulfide	540	Not Detected	1700	Not Detected
trans-1,2-Dichloroethene	540	Not Detected	2100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	540	440 J /5	1600	1300 J
4-Methyl-2-pentanone	540	660	2200	2700
2-Hexanone	540	Not Detected	2200	Not Detected
Bromoform	540	Not Detected	5500	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/5/07 CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705028AR1-04A

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

File Name:	7050510	Date of Collection:	4/27/07
Dil. Factor:	268	Date of Analysis:	5/5/07 05:34 PM

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

6/7/07
CRS

Air Toxics Ltd.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705028AR1-05A

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

File Name:	7050407	Date of Collection:	4/27/07
Dil. Factor:	4.34	Date of Analysis:	5/4/07 12:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	16	1.7	40
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	4.0	1.8	10
1,1-Dichloroethene	0.67	34	2.6	140
Methylene Chloride	0.67	11	2.3	40
1,1-Dichloroethane	0.67	2.4	2.7	9.8
cis-1,2-Dichloroethene	0.67	38	2.6	150
Chloroform	0.67	1.7	3.3	8.2
1,1,1-Trichloroethane	0.67	10	3.6	57
Carbon Tetrachloride	0.67	0.39 J	4.2	2.4 J
Benzene	0.67	25	2.1	80
1,2-Dichloroethane	0.67	Not Detected	2.7	Not Detected
Trichloroethene	0.67	20	3.6	110
1,2-Dichloropropane	0.67	Not Detected	3.1	Not Detected
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	70	2.5	270
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	58	4.5	400
Chlorobenzene	0.67	0.88	3.1	4.0
Ethyl Benzene	0.67	11	2.9	50
m,p-Xylene	0.67	55	2.9	240
o-Xylene	0.67	24	2.9	100
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	2.0 J	5.5	4.1 J
Acetone	2.7	87	6.4	210
Carbon Disulfide	2.7	1.5 J	8.3	4.7 J
trans-1,2-Dichloroethene	2.7	3.5	11	14
2-Butanone (Methyl Ethyl Ketone)	2.7	55	7.9	160
4-Methyl-2-pentanone	2.7	9.1	11	37
2-Hexanone	2.7	1.0 J	11	4.2 J
Bromoform	2.7	Not Detected	28	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705028AR1-05A

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

File Name:	7050407	Date of Collection:	4/27/07
Dil. Factor:	1.44	Date of Analysis:	5/4/07 12:23 PM

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

6/7/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF Lab Duplicate

Lab ID#: 0705028AR1-05AA

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

File Name:	7050408	Date of Collection:	4/27/07
Dil. Factor:	1.34	Date of Analysis:	5/4/07 01:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	16	1.7	40
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	3.9	1.8	10
1,1-Dichloroethene	0.67	33	2.6	130
Methylene Chloride	0.67	11	2.3	39
1,1-Dichloroethane	0.67	2.5	2.7	10
cis-1,2-Dichloroethene	0.67	37	2.6	150
Chloroform	0.67	1.6	3.3	7.9
1,1,1-Trichloroethane	0.67	10	3.6	55
Carbon Tetrachloride	0.67	0.35 J	4.2	2.2 J
Benzene	0.67	25	2.1	80
1,2-Dichloroethane	0.67	Not Detected	2.7	Not Detected
Trichloroethene	0.67	20	3.6	110
1,2-Dichloropropane	0.67	Not Detected	3.1	Not Detected
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	70	2.5	260
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	58	4.5	400
Chlorobenzene	0.67	0.90	3.1	4.2
Ethyl Benzene	0.67	11	2.9	49
m,p-Xylene	0.67	55	2.9	240
o-Xylene	0.67	24	2.9	100
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	1.9 J	5.5	4.0 J
Acetone	2.7	83	6.4	200
Carbon Disulfide	2.7	1.5 J	8.3	4.6 J
trans-1,2-Dichloroethene	2.7	3.4	11	13
2-Butanone (Methyl Ethyl Ketone)	2.7	53	7.9	160
4-Methyl-2-pentanone	2.7	9.2	11	38
2-Hexanone	2.7	1.0 J	11	4.1 J
Bromoform	2.7	Not Detected	28	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF Lab Duplicate

Lab ID#: 0705028AR1-05AA

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

File Name:	70504008	Date of Collection:	4/27/07
Dil. Factor:	1.34	Date of Analysis:	5/4/07 01:15 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705028AR1-06A

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

File Name:	7050409	Date of Collection: 4/27/07
Dil. Factor:	766	Date of Analysis: 5/4/07 02:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	380	640	980	1600
Bromomethane	380	Not Detected	1500	Not Detected
Chloroethane	380	Not Detected	1000	Not Detected
1,1-Dichloroethene	380	650	1500	2600
Methylene Chloride	380	39000	1300	140000
1,1-Dichloroethane	380	4700	1600	19000
cis-1,2-Dichloroethene	380	1800	1500	6900
Chloroform	380	2400	1900	11000
1,1,1-Trichloroethane	380	31000	2100	170000
Carbon Tetrachloride	380	Not Detected	2400	Not Detected
Benzene	380	14000	1200	44000
1,2-Dichloroethane	380	770	1600	3100
Trichloroethene	380	12000	2000	67000
1,2-Dichloropropane	380	140 J	1800	660 J
cis-1,3-Dichloropropene	380	Not Detected	1700	Not Detected
Toluene	380	68000	1400	260000
trans-1,3-Dichloropropene	380	Not Detected	1700	Not Detected
1,1,2-Trichloroethane	380	Not Detected	2100	Not Detected
Tetrachloroethene	380	8500	2600	58000
Chlorobenzene	380	Not Detected	1800	Not Detected
Ethyl Benzene	380	3500	1700	15000
m,p-Xylene	380	12000	1700	53000
o-Xylene	380	3900	1700	17000
Styrene	380	Not Detected	1600	Not Detected
1,1,2,2-Tetrachloroethane	380	Not Detected	2600	Not Detected
Bromodichloromethane	380	Not Detected	2600	Not Detected
Dibromochloromethane	380	Not Detected	3300	Not Detected
Chloromethane	1500	Not Detected	3200	Not Detected
Acetone	1500	23000	3600	55000
Carbon Disulfide	1500	390 J	4800	1200 J
trans-1,2-Dichloroethene	1500	Not Detected	6100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1500	22000	4500	66000
4-Methyl-2-pentanone	1500	5200	6300	22000
2-Hexanone	1500	Not Detected	6300	Not Detected
Bromoform	1500	Not Detected	16000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07

CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705028AR1-06A

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

File Name:	7050409	Date of Collection:	4/27/07
Dil. Factor:	756	Date of Analysis:	5/4/07 02:51 PM

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

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705028AR1-07A

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

File Name:	70508D8	Date of Collection: 4/27/07
Dil. Factor:	1070	Date of Analysis: 5/8/07 12:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	540	650	1400	1600
Bromomethane	540	Not Detected	2100	Not Detected
Chloroethane	540	Not Detected	1400	Not Detected
1,1-Dichloroethene	540	1100	2100	4400
Methylene Chloride	540	43000	1800	150000
1,1-Dichloroethane	540	5200	2200	21000
cis-1,2-Dichloroethene	540	2000	2100	8100
Chloroform	540	2800	2600	14000
1,1,1-Trichloroethane	540	37000	2900	200000
Carbon Tetrachloride	540	Not Detected	3400	Not Detected
Benzene	540	18000	1700	57000
1,2-Dichloroethane	540	1100	2200	4300
Trichloroethene	540	19000	2900	100000
1,2-Dichloropropane	540	190 J	2500	890 J
cis-1,3-Dichloropropene	540	Not Detected	2400	Not Detected
Toluene	540	130000	2000	480000
trans-1,3-Dichloropropene	540	Not Detected	2400	Not Detected
1,1,2-Trichloroethane	540	Not Detected	2900	Not Detected
Tetrachloroethene	540	19000	3600	130000
Chlorobenzene	540	Not Detected	2500	Not Detected
Ethyl Benzene	540	11000	2300	48000
m,p-Xylene	540	42000	2300	180000
o-Xylene	540	14000	2300	63000
Styrene	540	Not Detected	2300	Not Detected
1,1,2,2-Tetrachloroethane	540	Not Detected	3700	Not Detected
Bromodichloromethane	540	Not Detected	3600	Not Detected
Dibromochloromethane	540	Not Detected	4600	Not Detected
Chloromethane	2100	Not Detected	4400	Not Detected
Acetone	2100	29000	5100	69000
Carbon Disulfide	2100	210 J	6700	650 J
trans-1,2-Dichloroethene	2100	Not Detected	8500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2100	28000	6300	83000
4-Methyl-2-pentanone	2100	9300	8800	38000
2-Hexanone	2100	150 J	8800	630 J
Bromoform	2100	Not Detected	22000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705028AR1-07A

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

File Name:	7050808	Date of Collection:	4/27/07
Dil. Factor:	1.070	Date of Analysis:	5/8/07 12:41 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	101	70-130

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP Lab Duplicate

Lab ID#: 0705028AR1-07B

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

File Name: 7050512 Date of Collection: 4/27/07
Dil. Factor: 179 Date of Analysis: 5/5/07 08:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	90	690	230	1800
Bromomethane	90	Not Detected	350	Not Detected
Chloroethane	90	160	240	420
1,1-Dichloroethene	90	710	350	2800
Methylene Chloride	90	46000 E	310	160000 E
1,1-Dichloroethane	90	5700	360	23000
cis-1,2-Dichloroethene	90	2200	350	8600
Chloroform	90	3000	440	15000
1,1,1-Trichloroethane	90	40000 E	490	220000 E
Carbon Tetrachloride	90	Not Detected	560	Not Detected
Benzene	90	19000	280	62000
1,2-Dichloroethane	90	1000	360	4100
Trichloroethene	90	20000	480	110000
1,2-Dichloropropane	90	230	410	1100
cis-1,3-Dichloropropene	90	Not Detected	410	Not Detected
Toluene	90	120000 E	340	470000 E
trans-1,3-Dichloropropene	90	Not Detected	410	Not Detected
1,1,2-Trichloroethane	90	Not Detected	490	Not Detected
Tetrachloroethene	90	20000	610	130000
Chlorobenzene	90	41 J /5	410	190 J
Ethyl Benzene	90	12000	390	50000
m,p-Xylene	90	42000 E	390	180000 E
o-Xylene	90	15000	390	65000
Styrene	90	Not Detected	380	Not Detected
1,1,2,2-Tetrachloroethane	90	Not Detected	610	Not Detected
Bromodichloromethane	90	Not Detected	600	Not Detected
Dibromochloromethane	90	Not Detected	760	Not Detected
Chloromethane	360	Not Detected	740	Not Detected
Acetone	360	28000	850	66000
Carbon Disulfide	360	Not Detected	1100	Not Detected
trans-1,2-Dichloroethene	360	68 J /5	1400	270 J
2-Butanone (Methyl Ethyl Ketone)	360	31000	1000	92000
4-Methyl-2-pentanone	360	11000	1500	44000
2-Hexanone	360	160 J /5	1500	640 J
Bromoform	360	Not Detected	3700	Not Detected

E = Exceeds instrument calibration range.
J = Estimated value.
Container Type: 6 Liter Summa Canister

6/7/07
MS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP Lab Duplicate

Lab ID#: 0705028AR1-07B

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

File Name:	7050512	Date of Collection:	4/27/07
Dil. Factor:	179	Date of Analysis:	5/5/07 06:52 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705028AR1-08A

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

File Name:	7050811	Date of Collection:	4/27/07
Dil. Factor:	22.3	Date of Analysis:	5/8/07 03:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	11	43	28	110
Bromomethane	11	Not Detected	43	Not Detected
Chloroethane	11	Not Detected	29	Not Detected
1,1-Dichloroethene	11	210	44	820
Methylene Chloride	11	1100	39	3700
1,1-Dichloroethane	11	120	45	480
cis-1,2-Dichloroethene	11	82	44	320
Chloroform	11	72	54	350
1,1,1-Trichloroethane	11	760	61	4100
Carbon Tetrachloride	11	Not Detected	70	Not Detected
Benzene	11	620	36	2000
1,2-Dichloroethane	11	22	45	90
Trichloroethene	11	480	60	2600
1,2-Dichloropropane	11	4.6 J	52	21 J
cis-1,3-Dichloropropene	11	Not Detected	51	Not Detected
Toluene	11	2400	42	8900
trans-1,3-Dichloropropene	11	Not Detected	51	Not Detected
1,1,2-Trichloroethane	11	Not Detected	61	Not Detected
Tetrachloroethene	11	580	76	3900
Chlorobenzene	11	3.3 J	51	15 J
Ethyl Benzene	11	190	48	820
m,p-Xylene	11	640	48	2800
o-Xylene	11	240	48	1000
Styrene	11	72	47	300
1,1,2,2-Tetrachloroethane	11	Not Detected	76	Not Detected
Bromodichloromethane	11	Not Detected	75	Not Detected
Dibromochloromethane	11	Not Detected	95	Not Detected
Chloromethane	45	28 J	92	58 J
Acetone	45	640	100	1500
Carbon Disulfide	45	3.8 J	140	12 J
trans-1,2-Dichloroethene	45	5.7 J	180	23 J
2-Butanone (Methyl Ethyl Ketone)	45	420	130	1200
4-Methyl-2-pentanone	45	96	180	390
2-Hexanone	45	2.9 J	180	12 J
Bromoform	45	Not Detected	460	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705028AR1-08A

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

File Name:	7050811	Date of Collection:	4/27/07
Dil. Factor:	22.3	Date of Analysis:	5/6/07 03:04 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

6/7/07
CWS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705028BR1-01A

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

File Name:	p050810R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 03:22 PM
		Date of Extraction: 5/4/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	2.0 J
bis(2-Chloroethyl) Ether	1.0	4.3
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.4
1,4-Dichlorobenzene	1.0	3.3
1,2-Dichlorobenzene	1.0	32
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	28
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	39
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.6
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.3
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705028BR1-01A

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

File Name:	p050810R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 03:22 PM
		Date of Extraction:	5/4/07

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	81	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	85	50-150
2,4,6-Tribromophenol	87	50-150
Fluorene-d10	87	60-120
Pyrene-d10	96	60-120

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Lab Duplicate

Lab ID#: 0705028BR1-01AA

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

File Name:	p050811R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 03:52 PM
		Date of Extraction: 5/4/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	1.9 J
bis(2-Chloroethyl) Ether	1.0	4.4
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.4
1,4-Dichlorobenzene	1.0	3.4
1,2-Dichlorobenzene	1.0	32
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	28
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	40
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	8.4
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	10	Not Detected
Fluorene	1.0	Not Detected

6/1/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Lab Duplicate

Lab ID#: 0705028BR1-01AA

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

File Name:	p050811R1	Date of Collection:	4/27/07
Dil Factor:	1.00	Date of Analysis:	5/8/07 03:52 PM
		Date of Extraction:	5/4/07

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	81	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	87	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	89	60-120
Pyrene-d10	96	60-120

6/7/07
CMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705028BR1-02A

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

File Name:	b050805R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 12:51 PM
		Date of Extraction:	5/4/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	4.2
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.1
1,4-Dichlorobenzene	1.0	2.1
1,2-Dichlorobenzene	1.0	7.9
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.2
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	8.4
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	4.9
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	4.6
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	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07
CRS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705028BR1-02A

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

File Name:	p050805R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 12:51 PM
		Date of Extraction:	5/4/07

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	1.9 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	79	50-150
Phenol-d5	82	50-150
Nitrobenzene-d5	82	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	89	60-120
Pyrene-d10	98	60-120

6/7/07

CAS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705028BR1-03A

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

File Name:	p050812R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 04:22 PM
		Date of Extraction:	5/4/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	4.0
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.1
1,4-Dichlorobenzene	1.0	2.1
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	1.8
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	7.2
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	3.8
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	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07
CRS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705028BR1-03A

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

File Name:	p050812R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 04:22 PM
		Date of Extraction: 5/4/07

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	4.5 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	11
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	74	50-150
Phenol-d5	79	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	89	50-150
Fluorene-d10	91	60-120
Pyrene-d10	93	60-120

6/7/07
CKS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705028BR1-04A

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

File Name:	p050813R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 04:52 PM
		Date of Extraction:	5/4/07

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	1.2
1,4-Dichlorobenzene	1.0	2.3
1,2-Dichlorobenzene	1.0	8.4
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.3
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.49 J 15
Naphthalene	1.0	8.1
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.0
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	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705028BR1-04A

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

File Name:	p050813R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 04:52 PM
		Date of Extraction: 5/4/07

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	0.22 J
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	76	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	81	50-150
Fluorene-d10	90	60-120
Pyrene-d10	96	60-120

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705028BR1-05A

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

File Name:	p050814R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 05:22 PM
		Date of Extraction: 5/4/07

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	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07
CHS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705028BR1-05A

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

File Name:	p050814R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 05:22 PM
		Date of Extraction: 5/4/07

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	4.8 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	1.8 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	69	50-150
Phenol-d5	76	50-150
Nitrobenzene-d5	75	50-150
2,4,6-Tribromophenol	90	50-150
Fluorene-d10	87	60-120
Pyrene-d10	91	60-120

6/7/07
ORS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705028BR1-06A

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

File Name:	p050806R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 01:22 PM
		Date of Extraction: 5/4/07

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	2.3
1,2-Dichlorobenzene	1.0	20
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	8.1
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.68 J
Naphthalene	1.0	11
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.7
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	Not Detected

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6/7/07
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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705028BR1-06A

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

File Name:	p050806R1	Date of Collection: 4/27/07
Dil. Factor:	1.00	Date of Analysis: 5/8/07 01:22 PM
		Date of Extraction: 5/4/07

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	1.9 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.6 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	78	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	87	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	90	60-120
Pyrene-d10	95	60-120

6/7/07
MS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705028BR1-07A

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

File Name:	b050815R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 05:53 PM
		Date of Extraction:	5/4/07

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	1.1
1,4-Dichlorobenzene	1.0	2.6
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	9.7
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.95 J /5
Naphthalene	1.0	13
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	2.0
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	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07
UMS

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705028BR1-07A

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

File Name:	p050815R1	Date of Collection:	4/27/07
DIL Factor:	1.00	Date of Analysis:	5/8/07 05:53 PM
		Date of Extraction:	5/4/07

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	1.3 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	82	50-150
Phenol-d5	85	50-150
Nitrobenzene-d5	91	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	90	60-120
Pyrene-d10	99	60-120

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705028BR1-08A

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

File Name:	p050807R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 01:52 PM
		Date of Extraction:	5/4/07

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	0.41 J
1,2-Dichlorobenzene	1.0	0.68 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	1.0
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.16 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	10	Not Detected
Fluorene	1.0	Not Detected

6/7/07
CMS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705028BR1-08A

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

File Name:	p050807R1	Date of Collection:	4/27/07
Dil. Factor:	1.00	Date of Analysis:	5/8/07 01:52 PM
		Date of Extraction:	5/4/07

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	78	50-150
Nitrobenzene-d5	78	50-150
2,4,6-Tribromophenol	81	50-150
Fluorene-d10	84	60-120
Pyrene-d10	90	60-120

6/7/07

May 17, 2007 Off-Gas Sample Laboratory Results

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705435AR1-01A

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

File Name: 50530016 Date of Collection: 5/17/07
Dil. Factor: 536 Date of Analysis: 5/30/07 04:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	Not Detected	680	Not Detected
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	Not Detected	710	Not Detected
1,1-Dichloroethene	270	380	1100	1500
Methylene Chloride	270	14000	930	48000
1,1-Dichloroethane	270	1900	1100	7600
cis-1,2-Dichloroethene	270	890	1100	3500
Chloroform	270	1400	1300	6600
1,1,1-Trichloroethane	270	14000	1500	75000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	8000	860	26000
1,2-Dichloroethane	270	450	1100	1800
Trichloroethene	270	9900	1400	53000
1,2-Dichloropropane	270	Not Detected	1200	Not Detected
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	63000	1000	240000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	11000	1800	75000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	7400	1200	32000
m,p-Xylene	270	30000	1200	130000
o-Xylene	270	11000	1200	46000
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	9400	2500	22000
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	7500	3200	22000
4-Methyl-2-pentanone	1100	4000	4400	16000
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits

CMS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705435AR1-01A

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

File Name:	5053016	Date of Collection:	5/17/07
Dil. Factor:	536	Date of Analysis:	5/30/07 04:17 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130

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6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705435AR1-02A

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

File Name:	50530 12	Date of Collection:	5/17/07
Dil. Factor:	191	Date of Analysis:	5/30/07 02:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	96	440	240	1100
Bromomethane	96	Not Detected	370	Not Detected
Chloroethane	96	170	250	450
1,1-Dichloroethene	96	280	380	1100
Methylene Chloride	96	2800	330	9800
1,1-Dichloroethane	96	1100	390	4600
cis-1,2-Dichloroethene	96	6200	380	25000
Chloroform	96	2900	470	14000
1,1,1-Trichloroethane	96	9900	520	54000
Carbon Tetrachloride	96	Not Detected	600	Not Detected
Benzene	96	1800	300	5700
1,2-Dichloroethane	96	190	390	760
Trichloroethene	96	9600	510	51000
1,2-Dichloropropane	96	160	440	760
cis-1,3-Dichloropropene	96	Not Detected	430	Not Detected
Toluene	96	21000	360	79000
trans-1,3-Dichloropropene	96	Not Detected	430	Not Detected
1,1,2-Trichloroethane	96	Not Detected	520	Not Detected
Tetrachloroethene	96	17000	650	110000
Chlorobenzene	96	Not Detected	440	Not Detected
Ethyl Benzene	96	4800	410	21000
m,p-Xylene	96	18000	410	79000
o-Xylene	96	8300	410	36000
Styrene	96	Not Detected	410	Not Detected
1,1,2,2-Tetrachloroethane	96	Not Detected	660	Not Detected
Bromodichloromethane	96	Not Detected	640	Not Detected
Dibromochloromethane	96	Not Detected	810	Not Detected
Chloromethane	380	Not Detected	790	Not Detected
Acetone	380	380	910	910
Carbon Disulfide	380	Not Detected	1200	Not Detected
trans-1,2-Dichloroethene	380	Not Detected	1500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	380	480	1100	1400
4-Methyl-2-pentanone	380	710	1600	2900
2-Hexanone	380	Not Detected	1600	Not Detected
Bromoform	380	Not Detected	3900	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits

CRS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705435AR1-02A

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

File Name:	5053012	Date of Collection:	5/17/07
Dil. Factor:	191	Date of Analysis:	5/30/07 02:25 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	103	70-130

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6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705435AR1-03A

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

File Name:	50530013	Date of Collection:	5/17/07
Dil. Factor:	194	Date of Analysis:	5/30/07 02:54 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	97	380	250	980
Bromomethane	97	Not Detected	380	Not Detected
Chloroethane	97	190	260	510
1,1-Dichloroethene	97	470	380	1900
Methylene Chloride	97	3000	340	10000
1,1-Dichloroethane	97	1100	390	4600
cis-1,2-Dichloroethene	97	6400	380	25000
Chloroform	97	3100	470	15000
1,1,1-Trichloroethane	97	10000	530	54000
Carbon Tetrachloride	97	Not Detected	610	Not Detected
Benzene	97	2000	310	6200
1,2-Dichloroethane	97	170	390	690
Trichloroethene	97	9800	520	53000
1,2-Dichloropropane	97	150	450	690
cis-1,3-Dichloropropene	97	Not Detected	440	Not Detected
Toluene	97	22000	360	83000
trans-1,3-Dichloropropene	97	Not Detected	440	Not Detected
1,1,2-Trichloroethane	97	Not Detected	530	Not Detected
Tetrachloroethene	97	17000	660	110000
Chlorobenzene	97	Not Detected	450	Not Detected
Ethyl Benzene	97	5200	420	22000
m,p-Xylene	97	19000	420	84000
o-Xylene	97	8800	420	38000
Styrene	97	Not Detected	410	Not Detected
1,1,2,2-Tetrachloroethane	97	Not Detected	660	Not Detected
Bromodichloromethane	97	Not Detected	650	Not Detected
Dibromochloromethane	97	Not Detected	830	Not Detected
Chloromethane	390	Not Detected	800	Not Detected
Acetone	390	480	920	1200
Carbon Disulfide	390	Not Detected	1200	Not Detected
trans-1,2-Dichloroethene	390	Not Detected	1500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	390	460	1100	1400
4-Methyl-2-pentanone	390	710	1600	2900
2-Hexanone	390	Not Detected	1600	Not Detected
Bromoform	390	Not Detected	4000	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits

DLS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705435AR1-03A

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

File Name:	5053013	Date of Collection:	5/17/07
Dil. Factor:	194	Date of Analysis:	5/30/07 02:54 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	105	70-130

GMS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705435AR1-04A

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

File Name:	5053011	Date of Collection:	5/17/07
Dil. Factor:	194	Date of Analysis:	5/30/07 01:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	97	380	250	970
Bromomethane	97	Not Detected	380	Not Detected
Chloroethane	97	200	260	540
1,1-Dichloroethene	97	440	380	1700
Methylene Chloride	97	2800	340	9900
1,1-Dichloroethane	97	1200	390	4700
cis-1,2-Dichloroethene	97	6300	380	25000
Chloroform	97	3000	470	15000
1,1,1-Trichloroethane	97	9900	530	54000
Carbon Tetrachloride	97	Not Detected	610	Not Detected
Benzene	97	1900	310	6000
1,2-Dichloroethane	97	180	390	740
Trichloroethene	97	9800	520	53000
1,2-Dichloropropane	97	170	450	780
cis-1,3-Dichloropropene	97	Not Detected	440	Not Detected
Toluene	97	21000	360	81000
trans-1,3-Dichloropropene	97	Not Detected	440	Not Detected
1,1,2-Trichloroethane	97	Not Detected	530	Not Detected
Tetrachloroethene	97	18000	660	120000
Chlorobenzene	97	Not Detected	450	Not Detected
Ethyl Benzene	97	5300	420	23000
m,p-Xylene	97	19000	420	84000
o-Xylene	97	8800	420	38000
Styrene	97	Not Detected	410	Not Detected
1,1,2,2-Tetrachloroethane	97	Not Detected	660	Not Detected
Bromodichloromethane	97	Not Detected	650	Not Detected
Dibromochloromethane	97	Not Detected	830	Not Detected
Chloromethane	390	Not Detected	800	Not Detected
Acetone	390	420	920	990
Carbon Disulfide	390	Not Detected	1200	Not Detected
trans-1,2-Dichloroethene	390	Not Detected	1500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	390	530	1100	1600
4-Methyl-2-pentanone	390	810	1600	3300
2-Hexanone	390	Not Detected	1600	Not Detected
Bromoform	390	Not Detected	4000	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits

CRS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705435AR1-04A

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

File Name:	5053011	Date of Collection:	5/17/07
Dil. Factor:	194	Date of Analysis:	5/30/07 01:58 PM

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

OMS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705435AR1-05A

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

File Name:	5053009	Date of Collection: 5/17/07
Dil. Factor:	1.34	Date of Analysis: 5/30/07 01:00 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	8.0	1.7	20
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	Not Detected	1.8	Not Detected
1,1-Dichloroethene	0.67	60	2.6	240
Methylene Chloride	0.67	9.7	2.3	34
1,1-Dichloroethane	0.67	1.1	2.7	4.5
cis-1,2-Dichloroethene	0.67	17	2.6	68
Chloroform	0.67	4.6	3.3	23
1,1,1-Trichloroethane	0.67	8.8	3.6	48
Carbon Tetrachloride	0.67	0.89	4.2	5.6
Benzene	0.67	22	2.1	70
1,2-Dichloroethane	0.67	0.33 J /5	2.7	1.3 J
Trichloroethene	0.67	39	3.6	210
1,2-Dichloropropane	0.67	0.42 J /5	3.1	1.9 J
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
Toluene	0.67	67	2.5	250
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	130	4.5	890
Chlorobenzene	0.67	1.0	3.1	4.7
Ethyl Benzene	0.67	29	2.9	120
m,p-Xylene	0.67	120	2.9	530
o-Xylene	0.67	61	2.9	260
Styrene	0.67	4.0	2.8	17
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	20	6.4	47
Carbon Disulfide	2.7	20	8.3	62
trans-1,2-Dichloroethene	2.7	3.9	11	16
2-Butanone (Methyl Ethyl Ketone)	2.7	4.3	7.9	13
4-Methyl-2-pentanone	2.7	2.3 J /5	11	9.4 J
2-Hexanone	2.7	0.75 J /5	11	3.1 J
Bromoform	2.7	Not Detected	28	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705435AR1-05A

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

File Name:	5053009	Date of Collection:	5/17/07
Dil. Factor:	1.34	Date of Analysis:	5/30/07 01:00 PM

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

CDS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705435AR1-06A

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

File Name:	50530114	Date of Collection:	5/17/07
Dil. Factor:	536	Date of Analysis:	5/30/07 03:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	Not Detected	680	Not Detected
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	Not Detected	710	Not Detected
1,1-Dichloroethene	270	350	1100	1400
Methylene Chloride	270	13000	930	47000
1,1-Dichloroethane	270	1900	1100	7800
cis-1,2-Dichloroethene	270	830	1100	3300
Chloroform	270	1200	1300	6100
1,1,1-Trichloroethane	270	14000	1500	74000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	7800	860	25000
1,2-Dichloroethane	270	470	1100	1900
Trichloroethene	270	9800	1400	53000
1,2-Dichloropropane	270	170 J 15	1200	770 J
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	60000	1000	230000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	9900	1800	67000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	6500	1200	28000
m,p-Xylene	270	24000	1200	100000
o-Xylene	270	8800	1200	38000
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	10000	2500	24000
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	7800	3200	23000
4-Methyl-2-pentanone	1100	4600	4400	19000
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705435AR1-06A

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

File Name:	50530014	Date of Collection:	5/17/07
Dil. Factor:	536	Date of Analysis:	5/30/07 03:22 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	100	70-130

CMS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705435AR1-07A

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

File Name: 50530015 Date of Collection: 5/17/07
Dil. Factor: 536 Date of Analysis: 5/30/07 03:50 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	Not Detected	680	Not Detected
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	Not Detected	710	Not Detected
1,1-Dichloroethene	270	470	1100	1800
Methylene Chloride	270	14000	930	47000
1,1-Dichloroethane	270	1900	1100	7800
cis-1,2-Dichloroethene	270	910	1100	3600
Chloroform	270	1200	1300	6100
1,1,1-Trichloroethane	270	14000	1500	74000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	8200	860	26000
1,2-Dichloroethane	270	520	1100	2100
Trichloroethene	270	9800	1400	53000
1,2-Dichloropropane	270	140 J 15	1200	630 J
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	60000	1000	220000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	10000	1800	70000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	6700	1200	29000
m,p-Xylene	270	25000	1200	110000
o-Xylene	270	9400	1200	41000
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	6900	2500	16000
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	6500	3200	19000
4-Methyl-2-pentanone	1100	3900	4400	16000
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705435AR1-07A

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

File Name:	5053015	Date of Collection:	5/17/07
Dil. Factor:	538	Date of Analysis:	5/30/07 03:50 PM

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

CWS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705435AR1-08A

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

File Name:	50530-10	Date of Collection: 5/17/07
Dil. Factor:	10.7	Date of Analysis: 5/30/07 01:28 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	5.4	32	14	81
Bromomethane	5.4	Not Detected	21	Not Detected
Chloroethane	5.4	8.2	14	22
1,1-Dichloroethene	5.4	110	21	450
Methylene Chloride	5.4	540	18	1900
1,1-Dichloroethane	5.4	76	22	310
cis-1,2-Dichloroethene	5.4	68	21	270
Chloroform	5.4	57	26	280
1,1,1-Trichloroethane	5.4	530	29	2900
Carbon Tetrachloride	5.4	Not Detected	34	Not Detected
Benzene	5.4	450	17	1400
1,2-Dichloroethane	5.4	16	22	63
Trichloroethene	5.4	390	29	2100
1,2-Dichloropropane	5.4	5.7	25	26
cis-1,3-Dichloropropene	5.4	Not Detected	24	Not Detected
Toluene	5.4	1600	20	6200
trans-1,3-Dichloropropene	5.4	Not Detected	24	Not Detected
1,1,2-Trichloroethane	5.4	Not Detected	29	Not Detected
Tetrachloroethene	5.4	490	36	3300
Chlorobenzene	5.4	2.6 J /5	25	12 J
Ethyl Benzene	5.4	160	23	710
m,p-Xylene	5.4	540	23	2300
o-Xylene	5.4	210	23	910
Styrene	5.4	100	23	430
1,1,2,2-Tetrachloroethane	5.4	Not Detected	37	Not Detected
Bromodichloromethane	5.4	Not Detected	36	Not Detected
Dibromochloromethane	5.4	Not Detected	46	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Acetone	21	340	51	800
Carbon Disulfide	21	2.4 J /5	67	7.4 J
trans-1,2-Dichloroethene	21	5.7 J /5	85	22 J
2-Butanone (Methyl Ethyl Ketone)	21	170	63	490
4-Methyl-2-pentanone	21	62	88	250
2-Hexanone	21	2.7 J /5	88	11 J
Bromoform	21	Not Detected	220	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

OKS
6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705435AR1-08A

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

File Name:	5053010	Date of Collection:	5/17/07
Dil. Factor:	10.7	Date of Analysis:	5/30/07 01:28 PM

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

CMS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF Lab Duplicate

Lab ID#: 0705435AR1-08AA

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

File Name:	5053017	Date of Collection:	5/17/07
Dil. Factor:	10.7	Date of Analysis:	5/30/07 05:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	5.4	33	14	85
Bromomethane	5.4	Not Detected	21	Not Detected
Chloroethane	5.4	8.7	14	23
1,1-Dichloroethene	5.4	120	21	460
Methylene Chloride	5.4	530	18	1800
1,1-Dichloroethane	5.4	74	22	300
cis-1,2-Dichloroethene	5.4	72	21	290
Chloroform	5.4	62	26	300
1,1,1-Trichloroethane	5.4	540	29	3000
Carbon Tetrachloride	5.4	Not Detected	34	Not Detected
Benzene	5.4	450	17	1400
1,2-Dichloroethane	5.4	18	22	74
Trichloroethene	5.4	390	29	2100
1,2-Dichloropropane	5.4	3.8 J /5	25	18 J
cis-1,3-Dichloropropene	5.4	Not Detected	24	Not Detected
Toluene	5.4	1700	20	6400
trans-1,3-Dichloropropene	5.4	Not Detected	24	Not Detected
1,1,2-Trichloroethane	5.4	Not Detected	29	Not Detected
Tetrachloroethene	5.4	470	36	3200
Chlorobenzene	5.4	2.4 J /5	25	11 J
Ethyl Benzene	5.4	160	23	680
m,p-Xylene	5.4	520	23	2300
o-Xylene	5.4	200	23	860
Styrene	5.4	100	23	430
1,1,2,2-Tetrachloroethane	5.4	Not Detected	37	Not Detected
Bromodichloromethane	5.4	Not Detected	36	Not Detected
Dibromochloromethane	5.4	Not Detected	46	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Acetone	21	360	51	850
Carbon Disulfide	21	2.4 J /5	67	7.6 J
trans-1,2-Dichloroethene	21	4.9 J /5	85	20 J
2-Butanone (Methyl Ethyl Ketone)	21	180	63	520
4-Methyl-2-pentanone	21	60	88	240
2-Hexanone	21	2.6 J /5	88	11 J
Bromoform	21	Not Detected	220	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF Lab Duplicate

Lab ID#: 0705435AR1-08AA

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

File Name:	5053017	Date of Collection:	5/17/07
Dil. Factor:	10.7	Date of Analysis:	5/30/07 05:03 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

CDS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705435B-01A

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

File Name:	p052711	Date of Collection: 5/17/07
Dil. Factor:	1.00	Date of Analysis: 5/22/07 06:33 PM
		Date of Extraction: 5/21/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	2.1 J
bis(2-Chloroethyl) Ether	1.0	3.3
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.1
1,4-Dichlorobenzene	1.0	3.0
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	23
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.6
Naphthalene	1.0	34
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	3.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	7.7
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	Not Detected

CPS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE

Lab ID#: 0705435B-01A

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

File Name:	p052211	Date of Collection: 5/17/07
Dil. Factor:	1.00	Date of Analysis: 5/22/07 06:33 PM
		Date of Extraction: 5/21/07

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	78	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	83	50-150
2,4,6-Tribromophenol	89	50-150
Fluorene-d10	89	60-120
Pyrene-d10	91	60-120

CAS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Lab Duplicate

Lab ID#: 0705435B-01AA

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

File Name:	p052212	Date of Collection: 5/17/07
Dil. Factor:	1.00	Date of Analysis: 5/22/07 07:03 PM
		Date of Extraction: 5/21/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	2.1 J
bis(2-Chloroethyl) Ether	1.0	3.1
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.1
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	24
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.5
Naphthalene	1.0	34
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.9
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	7.7
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	Not Detected

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ORS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 1 OFFSITE ISVE Lab Duplicate

Lab ID#: 0705435B-01AA

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

File Name:	p052212	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 07:03 PM
		Date of Extraction:	5/21/07

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	81	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	84	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	88	60-120
Pyrene-d10	90	60-120

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6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705435B-02A

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

File Name:	p052213	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 07:33 PM
		Date of Extraction:	5/21/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	3.2
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.3
1,4-Dichlorobenzene	1.0	2.8
1,2-Dichlorobenzene	1.0	10
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.1
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	8.0
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	5.3
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	4.0
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	0.41 J /5
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	0.52 J /5
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	0.53 J /5

ONS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 2 SBPA ISVE

Lab ID#: 0705435B-02A

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

File Name:	p052213	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 07:33 PM
		Date of Extraction:	5/21/07

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	0.45 J /5
Anthracene	1.0	0.40 J /5
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	0.45 J /5
Pyrene	1.0	0.57 J /5
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	0.54 J /5
Benzo(a)anthracene	1.0	0.44 J /5
bis(2-Ethylhexyl)phthalate	5.0	Not Detected
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	0.31 J /5
Benzo(k)fluoranthene	1.0	0.38 J
Benzo(a)pyrene	1.0	0.24 J
Indeno(1,2,3-c,d)pyrene	1.0	0.28 J
Dibenz(a,h)anthracene	1.0	0.28 J
Benzo(g,h,i)perylene	1.0	0.33 J

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	77	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	90	50-150
Fluorene-d10	94	60-120
Pyrene-d10	97	60-120

QB 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705435B-03A

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

File Name:	p052214	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 08:03 PM
		Date of Extraction:	5/21/07

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	1.4
1,4-Dichlorobenzene	1.0	3.0
1,2-Dichlorobenzene	1.0	11
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.1
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.50 J 15
Naphthalene	1.0	8.8
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	6.1
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	4.9
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	10	Not Detected
Fluorene	1.0	Not Detected

ORS
6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 3 TOX 1 INF

Lab ID#: 0705435B-03A

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

File Name:	p052214	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 08:03 PM
		Date of Extraction:	5/21/07

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	1.4 J /5
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	81	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	89	50-150
Fluorene-d10	90	60-120
Pyrene-d10	93	60-120

OMS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705435B-04A

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

File Name:	p052215	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 08:33 PM
		Date of Extraction:	5/21/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	3.6
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.5
1,4-Dichlorobenzene	1.0	3.0
1,2-Dichlorobenzene	1.0	11
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.4
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.50 J
Naphthalene	1.0	9.4
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	6.0
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	4.9
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	10	Not Detected
Fluorene	1.0	Not Detected

CRS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 4 TOX 1 INF DUP

Lab ID#: 0705435B-04A

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

File Name:	p052215	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 08:33 PM
		Date of Extraction:	5/21/07

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	8.3
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	76	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	81	50-150
2,4,6-Tribromophenol	91	50-150
Fluorene-d10	90	60-120
Pyrene-d10	94	60-120

CAS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705435B-05A

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

File Name:	p052218	Date of Collection: 5/17/07
Dil. Factor:	1.00	Date of Analysis: 5/22/07 09:03 PM
		Date of Extraction: 5/21/07

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	10	Not Detected
Fluorene	1.0	Not Detected

CBS
6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 5 TOX 1 EFF

Lab ID#: 0705435B-05A

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

File Name:	p052216	Date of Collection: 5/17/07
Dil. Factor:	1.00	Date of Analysis: 5/22/07 09:03 PM
		Date of Extraction: 5/21/07

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

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	68	50-150
Phenol-d5	75	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	84	50-150
Fluorene-d10	83	60-120
Pyrene-d10	87	60-120

CMS
6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705435B-06A

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

File Name:	p052217	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 09:33 PM
		Date of Extraction:	5/21/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	1.9
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.73 J
1,4-Dichlorobenzene	1.0	1.9
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	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	0.60 J
Naphthalene	1.0	8.9
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.4
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	Not Detected

CDS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 6 TOX 2 INF

Lab ID#: 0705435B-06A

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

File Name:	p052217	Date of Collection:	5/17/07
DIL Factor:	1.00	Date of Analysis:	5/22/07 09:33 PM
		Date of Extraction:	5/21/07

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	2.3 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	78	50-150
Phenol-d5	83	50-150
Nitrobenzene-d5	83	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	91	60-120
Pyrene-d10	94	60-120

CMS 6/29/07

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705435B-07A

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

File Name:	p052218	Date of Collection:	5/17/07
Dil.Factor:	1.00	Date of Analysis:	5/22/07 10:03 PM
		Date of Extraction:	5/21/07

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	2.2
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.87 J
1,4-Dichlorobenzene	1.0	2.2
1,2-Dichlorobenzene	1.0	20
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	13
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	0.78 J
Naphthalene	1.0	14
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.0
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	2.2
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	10	Not Detected
Fluorene	1.0	Not Detected

CMS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 7 TOX 2 INF DUP

Lab ID#: 0705435B-07A

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

File Name:	p052218	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 10:03 PM
		Date of Extraction:	5/21/07

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	3.5 J B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	85	50-150
Nitrobenzene-d5	82	50-150
2,4,6-Tribromophenol	94	50-150
Fluorene-d10	95	60-120
Pyrene-d10	95	60-120

CMS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705435B-08A

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

File Name:	p052219	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 10:33 PM
		Date of Extraction:	5/21/07

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	0.77 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	1.2
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.19 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	10	Not Detected
Fluorene	1.0	Not Detected

CRS 6/29/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8 TOX 2 EFF

Lab ID#: 0705435B-08A

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

File Name:	p052219	Date of Collection:	5/17/07
Dil. Factor:	1.00	Date of Analysis:	5/22/07 10:33 PM
		Date of Extraction:	5/21/07

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	65	50-150
Phenol-d5	71	50-150
Nitrobenzene-d5	68	50-150
2,4,6-Tribromophenol	74	50-150
Fluorene-d10	75	60-120
Pyrene-d10	79	60-120

CMS 6/29/07

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 - MWH
Collected by: (Print and Sign) K. FALLON / M CHENOWETH
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:

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: [illegible]
Date: 5/23/07
Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	1 OFFSITE ISVE	10795	5/17/07	1208	TO13/TO14 SUMA & SORB TUBE	-28	0	0.0	5.0
02A	2 SBPA ISVE	13667		1210		-28.5		0.0	
03A	3 TOX 1 INF	3438		1230		-29		0.5	
04A	4 TOX 1 INF DUP	3231		1244		-27.5		0.5	
05A	5 TOX 1 EFF	2832		1226		-29		0.0	
06A	6 TOX 2 INF	12691		1244		-29		0.0	
07A	7 TOX 2 INF DUP	9419		1300		-29		0.0	
08A	8 TOX 2 EFF	12953		1302		-29.5		0.0	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	5/17/07 1400	FED EX	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
FED EX		Monica Green	5/18/07 845
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex	8606 5868 5277	MA	Good	Yes No None	0705435A

Form 1003 rev.11

June 26, 2007 Off-Gas Sample Laboratory Results

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #3 TOX 1 INF

Lab ID#: 0706527A-01A

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

File Name: t070808 Date of Collection: 6/26/07
Dil. Factor: 18.5 Date of Analysis: 7/8/07 01:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	9.2	66	24	170
Bromomethane	9.2	Not Detected	36	Not Detected
Chloroethane	9.2	55	24	140
1,1-Dichloroethene	9.2	Not Detected	37	Not Detected
Methylene Chloride	9.2	96	32	330
1,1-Dichloroethane	9.2	110	37	440
cis-1,2-Dichloroethene	9.2	2300	37	9200
Chloroform	9.2	2.1 J /5	45	10 J
1,1,1-Trichloroethane	9.2	7.1 J /5	50	39 J
Carbon Tetrachloride	9.2	Not Detected	58	Not Detected
Benzene	9.2	950	30	3000
1,2-Dichloroethane	9.2	16	37	66
Trichloroethene	9.2	7.8 J /5	50	42 J
1,2-Dichloropropane	9.2	7.4 J /5	43	34 J
cis-1,3-Dichloropropene	9.2	Not Detected	42	Not Detected
Toluene	9.2	880	35	3300
trans-1,3-Dichloropropene	9.2	Not Detected	42	Not Detected
1,1,2-Trichloroethane	9.2	4.8 J /5	50	26 J
Tetrachloroethene	9.2	4.9 J /5	63	34 J
Chlorobenzene	9.2	190	42	860
Ethyl Benzene	9.2	130	40	550
m,p-Xylene	9.2	420	40	1800
o-Xylene	9.2	550	40	2400
Styrene	9.2	Not Detected	39	Not Detected
1,1,2,2-Tetrachloroethane	9.2	8.3 J /5	64	57 J
Bromodichloromethane	9.2	Not Detected	62	Not Detected
Dibromochloromethane	9.2	Not Detected	79	Not Detected
Chloromethane	37	Not Detected	76	Not Detected
Acetone	37	230	88	540
Carbon Disulfide	37	31 J /5	120	96 J
trans-1,2-Dichloroethene	37	5.2 J /5	150	20 J
2-Butanone (Methyl Ethyl Ketone)	37	260	110	760
4-Methyl-2-pentanone	37	15 J /5	150	62 J
2-Hexanone	37	Not Detected	150	Not Detected
Bromoform	37	Not Detected	380	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

CMS
7/31/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #3 TOX 1 INF

Lab ID#: 0706527A-01A

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

File Name:	1070808	Date of Collection:	6/26/07
Dil. Factor:	18.5	Date of Analysis:	7/8/07 01:31 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

OKS
7/31/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #4 TOX 1 INF DUP

Lab ID#: 0706527A-02A

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

File Name:	t070810	Date of Collection:	6/26/07
Dil. Factor:	13.9	Date of Analysis:	7/8/07 03:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	7.0	64	18	160
Bromomethane	7.0	Not Detected	27	Not Detected
Chloroethane	7.0	42	18	110
1,1-Dichloroethene	7.0	Not Detected	28	Not Detected
Methylene Chloride	7.0	16	24	56
1,1-Dichloroethane	7.0	82	28	330
cis-1,2-Dichloroethene	7.0	2000	28	7900
Chloroform	7.0	2.0 J /5	34	10 J
1,1,1-Trichloroethane	7.0	5.1 J /5	38	28 J
Carbon Tetrachloride	7.0	Not Detected	44	Not Detected
Benzene	7.0	630	22	2000
1,2-Dichloroethane	7.0	18	28	73
Trichloroethene	7.0	6.9 J /5	37	37
1,2-Dichloropropane	7.0	7.2	32	33
cis-1,3-Dichloropropene	7.0	Not Detected	32	Not Detected
Toluene	7.0	630	26	2400
trans-1,3-Dichloropropene	7.0	Not Detected	32	Not Detected
1,1,2-Trichloroethane	7.0	4.4 J /5	38	24 J
Tetrachloroethene	7.0	2.4 J /5	47	16 J
Chlorobenzene	7.0	140	32	650
Ethyl Benzene	7.0	85	30	370
m,p-Xylene	7.0	290	30	1300
o-Xylene	7.0	450	30	1900
Styrene	7.0	Not Detected	30	Not Detected
1,1,2,2-Tetrachloroethane	7.0	7.2	48	49
Bromodichloromethane	7.0	Not Detected	46	Not Detected
Dibromochloromethane	7.0	Not Detected	59	Not Detected
Chloromethane	28	Not Detected	57	Not Detected
Acetone	28	180	66	430
Carbon Disulfide	28	2.4 J /5	86	7.3 J
trans-1,2-Dichloroethene	28	3.9 J /5	110	15 J
2-Butanone (Methyl Ethyl Ketone)	28	220	82	640
4-Methyl-2-pentanone	28	18 J /5	110	72 J
2-Hexanone	28	Not Detected	110	Not Detected
Bromoform	28	Not Detected	290	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

AS
7/31/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #4 TOX 1 INF DUP

Lab ID#: 0706527A-02A

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

File Name:	t070810	Date of Collection:	6/26/07
Dil. Factor:	13.9	Date of Analysis:	7/8/07 03:59 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	101	70-130

CMS
7/31/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #5 TOX 1 EFF

Lab ID#: 0706527A-03A

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

File Name:	t070809	Date of Collection:	6/26/07
Dil. Factor:	1.39	Date of Analysis:	7/8/07 03:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.70	15	1.8	40
Bromomethane	0.70	Not Detected	2.7	Not Detected
Chloroethane	0.70	4.5	1.8	12
1,1-Dichloroethene	0.70	Not Detected	2.8	Not Detected
Methylene Chloride	0.70	0.87	2.4	3.0
1,1-Dichloroethane	0.70	2.3	2.8	9.4
cis-1,2-Dichloroethene	0.70	45	2.8	180
Chloroform	0.70	0.61 J 15	3.4	3.0 J
1,1,1-Trichloroethane	0.70	1.8	3.8	9.9
Carbon Tetrachloride	0.70	Not Detected	4.4	Not Detected
Benzene	0.70	7.9	2.2	25
1,2-Dichloroethane	0.70	Not Detected	2.8	Not Detected
Trichloroethene	0.70	2.4	3.7	13
1,2-Dichloropropane	0.70	Not Detected	3.2	Not Detected
cis-1,3-Dichloropropene	0.70	Not Detected	3.2	Not Detected
Toluene	0.70	25	2.6	94
trans-1,3-Dichloropropene	0.70	Not Detected	3.2	Not Detected
1,1,2-Trichloroethane	0.70	Not Detected	3.8	Not Detected
Tetrachloroethene	0.70	2.8	4.7	19
Chlorobenzene	0.70	0.60 J 15	3.2	2.7 J
Ethyl Benzene	0.70	5.2	3.0	23
m,p-Xylene	0.70	30	3.0	130
o-Xylene	0.70	11	3.0	46
Styrene	0.70	Not Detected	3.0	Not Detected
1,1,2,2-Tetrachloroethane	0.70	Not Detected	4.8	Not Detected
Bromodichloromethane	0.70	Not Detected	4.6	Not Detected
Dibromochloromethane	0.70	Not Detected	5.9	Not Detected
Chloromethane	2.8	Not Detected	5.7	Not Detected
Acetone	2.8	57	6.6	140
Carbon Disulfide	2.8	0.94 J 15	8.6	2.9 J
trans-1,2-Dichloroethene	2.8	1.0 J 15	11	4.0 J
2-Butanone (Methyl Ethyl Ketone)	2.8	45	8.2	130
4-Methyl-2-pentanone	2.8	0.69 J 15	11	2.8 J
2-Hexanone	2.8	0.75 J 15	11	3.1 J
Bromoform	2.8	Not Detected	29	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

OKS
7/31/07

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #5 TOX 1 EFF

Lab ID#: 0706527A-03A

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

File Name:	1070809	Date of Collection:	6/26/07
Dil. Factor:	1.39	Date of Analysis:	7/8/07 03:02 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #3 TOX 1 INF

Lab ID#: 0706527B-01A

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

File Name:	p062909	Date of Collection:	6/26/07
Dil. Factor:	1.00	Date of Analysis:	6/29/07 01:04 PM
		Date of Extraction:	6/28/07

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	0.42 J
1,4-Dichlorobenzene	1.0	3.9
1,2-Dichlorobenzene	1.0	8.9
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	1.2
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.0
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #3 TOX 1 INF

Lab ID#: 0706527B-01A

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

File Name:	p062909	Date of Collection: 6/26/07
Dil. Factor:	1.00	Date of Analysis: 6/29/07 01:04 PM
		Date of Extraction: 6/28/07

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	8.8
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	62	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	65	50-150
2,4,6-Tribromophenol	65	50-150
Fluorene-d10	73	60-120
Pyrene-d10	81	60-120

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #4 TOX 1 INF DUP

Lab ID#: 0706527B-02A

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

File Name:	p062910	Date of Collection: 6/26/07
Dil. Factor:	1.00	Date of Analysis: 6/29/07 01:34 PM
		Date of Extraction: 6/28/07

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	3.3
1,2-Dichlorobenzene	1.0	7.4
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	0.88 J
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.0
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected

7/31/07
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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #4 TOX 1 INF DUP

Lab ID#: 0706527B-02A

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

File Name:	p062910	Date of Collection: 6/26/07
Dil. Factor:	1.00	Date of Analysis: 6/29/07 01:34 PM
		Date of Extraction: 6/28/07

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	17
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	84	50-150
Nitrobenzene-d5	69	50-150
2,4,6-Tribromophenol	70	50-150
Fluorene-d10	79	60-120
Pyrene-d10	86	60-120

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #5 TOX 1 EFF

Lab ID#: 0706527B-03A

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

File Name:	p062911	Date of Collection: 6/26/07
Dil. Factor:	1.00	Date of Analysis: 6/29/07 02:04 PM
		Date of Extraction: 6/28/07

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	0.18 J
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.14 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

7/31/07
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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: #5 TOX 1 EFF

Lab ID#: 0706527B-03A

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

File Name:	p062911	Date of Collection: 6/26/07
Dil. Factor:	1.00	Date of Analysis: 6/29/07 02:04 PM
		Date of Extraction: 6/28/07

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	1.3 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	63	50-150
Phenol-d5	81	50-150
Nitrobenzene-d5	68	50-150
2,4,6-Tribromophenol	65	50-150
Fluorene-d10	76	60-120
Pyrene-d10	85	60-120

7/31/07

APPENDIX C

ANNUAL SEDIMENT SAMPLE ANALYTICAL DATA

April 13, 2007

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSSEDDUP012007

Lab Name COMPUCHEM Contract: 8082

Lab Code LIBRTY Case No.: SAS No.: SDG No.: 12813

Matrix: (soil/water) SOIL Lab Sample ID: 1281302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 66 decanted: (Y/N) N Date Received: 04/18/07

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/24/07

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/26/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	71	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	74	
11096-82-5	Aroclor-1260	50	U

5/11/07

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ACSSEDIMENT2007

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 12813

Matrix: (soil/water) SOIL Lab Sample ID: 1281301

Sample wt./vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 56 decanted: (Y/N) N Date Received: 04/18/07

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/24/07

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/26/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	71	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	64	
11096-82-5	Aroclor-1260	50	U

5/16/07

FORM I PEST