MWH

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7/14/05

July 14, 2005

Mr. Kevin Adler
Remedial Project Manager
U.S. Environmental Protection Agency
Region V, SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Quarterly Monitoring Report for Active Treatment Systems – First Quarter 2005
ACS NPL Site

Dear Mr. Adler:

Please find enclosed three copies of the draft Quarterly Monitoring Report for Active Treatment Systems – First Quarter 2005 for your review. This is the first submittal of this report (please see the Summary of Report Status below).

We are also sending three copies of the report to IDEM and one copy of the report to Black & Veatch. If you need additional copies, please let me know and we will forward them to you.

Sincerely,

MWH Americas, Inc.

Peter J. Vagt, Ph.D., CPG
Vice President

Summary of Report Status

- June 29 Draft Quarterly Monitoring Report for Active Treatment Systems – First Quarter 2005 is sent to the Agencies

cc: Prabhakar Kasarabada, IDEM (3 copies)
Larry Campbell, B&V (1 copy)
Barbara Magel, Karaganis White & Magel, LTD. (1 copy)
Mark Travers, Environ (1 copy)
ACS Tech Review Committee (1 copy each – cover letter only)

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QUARTERLY MONITORING REPORT FOR ACTIVE TREATMENT SYSTEMS FIRST QUARTER 2005

AMERICAN CHEMICAL SERVICE NPL SITE GRIFFITH, INDIANA

Prepared For:

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

Prepared by: _____ July 11, 2005
Jonathan Pohl, P.E. — Date
Project Engineer

Approved by: _____ July 11, 2005
Peter Vagt, Ph.D., CPG — Date
Project Manager

TABLE OF CONTENTS

SECTION **PAGE**

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

TABLES

Table 2.1 Groundwater Treatment System Effluent Discharge Limits
Table 2.2 Summary of Effluent Analytical Results – First Quarter 2005; Groundwater Treatment System
Table 3.1 Thermal Oxidizer 1 Results for Method TO-14 (VOCs) – January 2005
Table 3.2 Thermal Oxidizer 1 Results for Method TO-14 (VOCs) – February 2005
Table 3.3 Thermal Oxidizer 1 Results for Method TO-14 (VOCs) – March 2005
Table 3.4 Thermal Oxidizer 2 Results for Method TO-14 (VOCs) – January 2005
Table 3.5 Thermal Oxidizer 2 Results for Method TO-14 (VOCs) – February 2005
Table 3.6 Thermal Oxidizer 2 Results for Method TO-14 (VOCs) – March 2005
Table 3.7 SBPA and Off-site ISVE System Results for Method TO-14 (VOCs) – January 2005
Table 3.8 SBPA and Off-site ISVE System Results for Method TO-14 (VOCs) – February 2005
Table 3.9 SBPA and Off-site ISVE System Results for Method TO-14 (VOCs) – March 2005
Table 3.10 Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) – January 2005
Table 3.11 Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) – February 2005
Table 3.12 Thermal Oxidizer 1 Results for Method TO-13 (SVOCs) – March 2005
Table 3.13 Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) – January 2005
Table 3.14 Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) – February 2005
Table 3.15 Thermal Oxidizer 2 Results for Method TO-13 (SVOCs) – March 2005

TABLES
(Continued)

Table 3.16 SBPA and Off-site ISVE System Results for Method TO-13 (SVOCs) – January 2005

Table 3.17 SBPA and Off-site ISVE System Results for Method TO-13 (SVOCs) – February 2005

Table 3.18 SBPA and Off-site ISVE System Results for Method TO-13 (SVOCs) – March 2005

Table 3.19 Off-Site In-Situ Vapor Extraction (ISVE) System Well Monitoring Data – First Quarter 2005

Table 3.20 Off-Site In-Situ Vapor Extraction (ISVE) System Header Monitoring Data – First Quarter 2005

Table 3.21 SBPA In-Situ Vapor Extraction (ISVE) System Well Monitoring Data – First Quarter 2005

Table 3.22 SBPA In-Situ Vapor Extraction (ISVE) System Header Monitoring Data – First Quarter 2005

Table 6.1 Water Table Elevations Across the Barrier Wall and Near the PGCS – March 2005

Table 6.2 Water Levels Inside Barrier Wall – March 2005

FIGURES

Figure 6.1 Water Table Elevations Near the PGCS – March 2005

Figure 6.2 Water Table Elevations Across the Barrier Wall – March 2005

Figure 6.3 Water Level Trends Inside Barrier Wall (Still Bottoms Pond Area)

Figure 6.4 Water Level Trends Inside Barrier Wall (Off-Site Area)

APPENDICES

Appendix A Effluent Analytical Data
- January 31, 2005 Compliance Sample – Laboratory Results
- February 15, 2005 Compliance Sample – Laboratory Results
- March 15, 2005 Compliance Sample – Laboratory Results

Appendix B Thermal Oxidizer Off-Gas Analytical Data
- January 7, 2005 Off-Gas Sample Laboratory Results
- February 10, 2005 Off-Gas Sample Laboratory Results
- March 17, 2005 Off-Gas Sample Laboratory Results

ACRONYMS AND ABBREVIATIONS

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

1.0 INTRODUCTION

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

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

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

In the fall of 2001, MWH began construction of an In-Situ Vapor Extraction (ISVE) system for the Off-Site Containment Area (OFCA) and the Kapica-Pazmey (K-P) Area, both within the area known as the Off-Site Area. The Off-Site Area ISVE system consists of 42 ISVE wells, a blower system, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. The construction of the system was completed in March 2002 and the system was started on May 1, 2002 after the startup of the thermal oxidizer and scrubber system was completed. Protocols and goals for the phased startup of the Off-Site System as defined in the Final Remedy (Montgomery Watson, 1999) were followed. In 2004, an additional blower system was added to the Off-Site Area ISVE system, as outlined in the SBPA ISVE System Enhancement Design (MWH, 2005).

In the beginning of 2003, MWH began construction of an ISVE system for the Still Bottoms Pond Area (SBPA). The SBPA ISVE system consists of 25 ISVE wells, 21 dual phase extraction (DPE) wells, 6 air sparge wells, ISVE and air sparge blower systems, and the associated mechanical and electrical components. The construction of the system was completed and the system was started in July of 2003. A new thermal oxidizer/scrubber unit was installed in the GWTP in the spring of 2003. The new unit was installed to treat vapors from both ISVE systems.

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

2.0 GWTP COMPLIANCE MONITORING

2.1 INTRODUCTION

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

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

Sampling Frequency Schedule – Groundwater Treatment System

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

*Note: System was started up on March 13, 1997

2.2 EFFLUENT SAMPLING AND ANALYSES

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

January 31, 2005	full analysis (pH, TSS, BOD, Metals, VOCs, SVOCs, pentachlorophenol, and PCBs)
February 15, 2005	pH and VOCs
March 15, 2005	pH and VOCs

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

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

2.3 EFFLUENT ANALYTICAL RESULTS

2.3.1 GWTP Effluent Samples

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

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

3.0 ISVE SYSTEM MONITORING

3.1 THERMAL OXIDIZER OFF-GAS SAMPLING

During the first quarter of 2005, Thermal Oxidizer/Scrubber Unit 1 (Therm Ox 1) was used to treat vapors from the SBPA ISVE system and Thermal Oxidizer/Scrubber Unit 2 (Therm Ox 2) was used to treat vapors from the Off-Site ISVE system and T-102. Compliance samples were collected from both thermal oxidizer/scrubber units on January 7th, February 10th, and March 17th.

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

Sampling Frequency Schedule – ISVE System

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

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

Parameter	Analytical Method
VOCs	TO-14
SVOCs	TO-13

3.2 SAMPLING RESULTS

The influent and effluent off-gas data are summarized in Tables 3.1 through 3.15 and verify that the off-gas from both of the thermal oxidizers were less than the IDEM discharge limit of three pounds of VOCs per hour for January, February and March. For example, the VOC discharge reported from the February 17, 2005 Therm Ox 2 sample was 0.353 pounds per hour, approximately ten percent of the discharge limit. The VOC discharge from the February 17, 2005 Therm Ox 1 sample was 0.039 pounds per hour, approximately one percent of the discharge limit. The results for January and March were within the same order of magnitude. The analytical data sheets for the compliance samples are provided in Appendix B.

In addition to the off-gas data collected during the first quarter, MWH collected off-gas samples from the Off-Site ISVE system and the SBPA ISVE system influent lines. These samples were collected in order to monitor the performance of these systems and are not part of the compliance requirements. The data from this monitoring is summarized in Tables 3.1 through 3.18.

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

3.3 ISVE SYSTEM MONITORING

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

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

4.0 GWTP TREATMENT SYSTEM PROCESS MODIFICATIONS

Fliteway Technologies was on site in February to take measurements for housings to encapsulate the blowers at the GWTP. The housings will be designed to suppress noise from the blowers. Construction of the housing is anticipated to occur in April 2005.

5.0 ISVE PROCESS MODIFICATIONS

On January 20, 2005 ACS plant employees reported odors in the break-room located on the north side of the SBPA area. MWH immediately shut down the SBPA air sparge system and the odors reportedly subsided. MWH took a PID reading of the VOCs in the break-room and no VOCs were detected. The air sparge system was brought back online January 25th without air sparge points AS-1 and AS-2, which are located close to the break-room. These air sparge points will remain offline while MWH confirms the cause of the odor and implements a means to operate the air sparge points without directing vapors into the break-room.

The SBPA ISVE system was operated with 14 ISVE wells until January 21, 2005. On January 21st, an additional eight ISVE wells were brought online. This brought the total number of SBPA ISVE wells being operated to 22. The Off-Site ISVE system continued to be operated with 28 ISVE wells.

MWH has contracted Global Technologies to perform an inspection of Therm Ox 2. Global will perform a 75-point inspection of the unit. The event is scheduled for the 2nd Quarter of 2005.

Therm Ox 2 was shut down multiple times during March due to a high scrubber temperature. MWH performed several maintenance actions to rectify the condition, including changing the spray bar nozzles and temperature probe. To maintain operation, only one of the Off-Site Area ISVE blowers is currently operating. An investigation of this problem will be added to the inspection to be performed by Global Technologies.

6.0 PGCS AND BWES GAUGING ACTIVITIES

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

In accordance with the PSVP for the Site, a discussion on the effect of the PGCS and BWES on the water table near the Site is presented in each quarterly monitoring report. This section summarizes the groundwater elevations at the site during January, February, and March 2005. Groundwater elevation measurements were collected throughout the Site on March 21, 2005 as part of the groundwater monitoring program. The groundwater elevations are listed in Table 6.1 and the resulting contours outside the barrier wall are shown on Figure 6.1.

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

Table 6.1, BWES Water Level and Piezometer Pairs, presents the groundwater elevations inside and outside the barrier wall on March 21, 2005. The groundwater elevations are plotted on Figure 6.2. The groundwater elevation measurements were 0.64 to 10.62 feet higher outside the barrier wall than inside the barrier wall. The data demonstrates that the barrier wall is successfully performing the intended function of isolating and protecting the groundwater outside the barrier wall from the source areas of the Site inside the barrier wall. MWH will continue to periodically collect water level measurements across the Site as required in the PSVP.

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

target, and showed an increase of water levels from the 4th Quarter 2004. For example, piezometer, P-36, which is in the center of the ISVE area indicates that the water level within the ISVE area is approximately 2.5 feet below the target. In the 4th Quarter 2004 the water level at P-36 was approximately 5 feet below target.

In the Off-site ISVE area, the target water level is 626 feet amsl. Measured water levels varied from 621 feet amsl to 628 feet amsl. This represents no change in the average water levels from the 4th Quarter 2004. MWH will continue to monitor the water levels to ensure vapor extraction at the ISVE wells is not inhibited.

7.0 SYSTEM OPERATION

The GWTP operated as designed for approximately 100 percent of the first quarter of 2005 (based on days of operation). The system drew influent from the On-Site Area BWES, the Off-Site Area BWES, the PGCS, MW-10C and MW-56.

The Off-Site Area ISVE system continued to operate as designed for approximately 92 percent of the first quarter of 2005 (based on days of operation). The SBPA ISVE system continued to operate as designed for approximately 89 percent of the first quarter of 2005 (based on days of operation).

8.0 REFERENCES

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

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

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

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

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

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

7. *SBPA ISVE System Enhancement Design*, MWH, April 2005.

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Tables

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TABLES

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

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

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

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

Event Date	Month 92 1/31/2005	Month 93 2/15/2005	Month 94 3/15/2005	Effluent Limits	Lab Reporting Limits
pH	7.30 /J	7.06 /J	7.43 /J	6-9	none
TSS	0.40 /J	NS	NS	30	10
BOD	< 2	NS	NS	30	2
Arsenic	7.0 B/	NS	NS	50	3.4
Beryllium	ND	NS	NS	NE	0.2
Cadmium	ND	NS	NS	4.1	0.3
Manganese	1.9 B/	NS	NS	NE	10
Mercury	ND	NS	NS	0.02 (w/DL = 0.64)	0.64
Selenium	ND	NS	NS	8.2	4.3
Thallium	ND	NS	NS	NE	5.7
Zinc	ND	NS	NS	411	1.2
Benzene	0.14 J/J	0.14 J/	ND	5	0.5
Acetone	1.0 JB/10 UBJ	2.4 J/J	2.2 JB/ 10 UBJ	6,800	3
2-Butanone	ND	ND	ND	210	3
Chloromethane	ND	ND	ND	NE	0.5
1,4-Dichlorobenzene	ND	ND	ND	NE	0.5
1,1-Dichloroethane	ND	ND	ND	NE	0.5
cis-1,2-Dichloroethene	0.71 /J	0.57 /	ND	70	0.5
Ethylbenzene	ND	0.14 J/	ND	34	0.5
Methylene chloride	1.8 /J	1.0 /J	1.2 /J	5	0.6
Tetrachloroethene	0.17 J/J	0.16 J/	ND	5	0.5
Trichloroethene	ND	0.12 JB/UB	ND	5	0.5
Vinyl chloride	ND	0.22 J/	0.36 J/J	2	0.5
4-Methyl-2-pentanone	ND	ND	ND	15	3
bis (2-Chloroethyl) ether	ND	NS	NS	9.6	9.6
bis(2-Ethylhexyl) - phthalate	ND	NS	NS	6	6
4 - Methylphenol	ND	NS	NS	34	10
Isophorone	ND	NS	NS	50	10
Pentachlorophenol	ND	NS	NS	1	1
PCB/Aroclor-1016	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1221	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.92*
PCB/Aroclor-1232	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1242	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1248	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1254	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5
PCB/Aroclor-1260	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.5

Notes:

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

Suffix Definitions:

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

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

		Sampled 1/7/2005											
		Therm Ox 1						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent Eff1		Low	High	Average
Method TO-14										
1,1,1-Trichloroethane	ppbv	24,000		28,000		24		99.90%	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	3,300		3,700		14		99.58%	99.62%	99.60%
1,1-Dichloroethene	ppbv	220	J/J	230	J/J	87.0		NC	NC	NC
1,2-Dichloroethane	ppbv	810		1,100		ND	U	100.00%	100.00%	100.00%
1,2-Dichloropropane	ppbv	340	J/J	380	J/J	1.2	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	12,000		16,000		5.9		99.95%	99.96%	99.96%
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	14,000		17,000		3.2	J/J	99.98%	99.98%	99.98%
Acetone	ppbv	16,000		19,000		7.2		99.96%	99.96%	99.96%
Benzene	ppbv	15,000		19,000		180		98.80%	99.05%	98.93%
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	2.1	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	2.4		NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	5.4		NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	22		NC	NC	NC
Chloroform	ppbv	1,600		1,900		2.2		99.86%	99.88%	99.87%
Chloromethane	ppbv	ND	U	ND	U	4.8	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	2,000		2,400		190		90.50%	92.08%	91.29%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	0.23	J/J	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	12,000		14,000		29		99.76%	99.79%	99.78%
m,p-Xylene	ppbv	52,000		61,000		28		99.95%	99.95%	99.95%
Methylene Chloride	ppbv	25,000		28,000		13		99.95%	99.95%	99.95%
o-Xylene	ppbv	17,000		20,000		82		99.52%	99.59%	99.55%
Styrene	ppbv	930		1,100		3.0		99.68%	99.73%	99.70%
Tetrachloroethene	ppbv	22,000		26,000		300		98.64%	98.85%	98.74%
Toluene	ppbv	110,000		130,000		120		99.89%	99.91%	99.90%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	17		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	16,000		19,000		63		99.61%	99.67%	99.64%
Vinyl Chloride	ppbv	ND	U	150	J/J	46		NC	NC	NC
Total	**ppbv**	**344,200**		**407,960**		**1,252.63**		**99.64%**	**99.69%**	**99.66%**
Total	**lb/hr**	**5.09**		**6.02**		**0.020**		**99.61%**	**99.67%**	**99.64%**

Notes:

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

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

1/7/05 VOCs in lb/hr calculated based on Offsite: 1192 scfm, 64 degrees Fahrenheit and On-site: 906 scfm, 54 degrees Fahrenheit (12/21/04)
Therm-Ox VOC lb/hr based on assumption of 70 degrees Fahrenheit
Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 2/10/2005								
		Therm Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	33,000		33,000		140		99.58%	99.58%	99.58%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	2,700		2,500		22		99.12%	99.19%	99.15%
1,1-Dichloroethene	ppbv	340		340		120		64.71%	64.71%	64.71%
1,2-Dichloroethane	ppbv	350		340		2		99.41%	99.43%	99.42%
1,2-Dichloropropane	ppbv	310		290		1.9		99.34%	99.39%	99.37%
2-Butanone (Methyl Ethyl Ketone)	ppbv	400	J/J	ND	U	8.1		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
4-Methyl-2-pentanone	ppbv	910	J/J	950	J/J	7.5		NC	NC	NC
Acetone	ppbv	620	J/J	560	J/J	100		NC	NC	NC
Benzene	ppbv	7,300		7,000		100		98.57%	98.63%	98.60%
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	6.5		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	1.9		NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	3.5		NC	NC	NC
Chloroethane	ppbv	590		580		12		97.93%	97.97%	97.95%
Chloroform	ppbv	7,000		6,900		26		99.62%	99.63%	99.63%
Chloromethane	ppbv	ND	U	ND	U	2.8		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	9,400		8,800		220		97.50%	97.66%	97.58%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	0.29	J/J	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	9,100		9,300		50		99.45%	99.46%	99.46%
m,p-Xylene	ppbv	38,000		39,000		240		99.37%	99.38%	99.38%
Methylene Chloride	ppbv	10,000		10,000		45		99.55%	99.55%	99.55%
o-Xylene	ppbv	14,000		14,000		110		99.21%	99.21%	99.21%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	22,000		21,000		270	E/E	98.71%	98.77%	98.74%
Toluene	ppbv	47,000		47,000		250		99.47%	99.47%	99.47%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	8.8		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	13,000		13,000		120		99.08%	99.08%	99.08%
Vinyl Chloride	ppbv	480		490		34		92.92%	93.06%	92.99%
Total	**ppbv**	**216,500**		**215,050**		**1,902.29**		**99.12%**	**99.12%**	**99.12%**
Total	**lb/hr**	**4.54**		**4.51**		**0.039**		**99.14%**	**99.14%**	**99.14%**

Notes:

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

Qualifiers:

J = *Result is estimated*
U = Below reported quantitation limit
E = Exceeds instrument calibration range

2/10/05 VOCs in lb/hr calculated based on Offsite: 1195 scfm, 60 degrees Fahrenheit (1/24/05) and On-site: 1203 scfm, 39 degrees Fahrenheit (2/11/05)
Therm-Ox VOC lb/hr based on assumption of 70 degrees Fahrenheit
Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 3/17/2005											
		Therm Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	48,000		50,000		7.6		99.98%	99.98%	99.98%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	3,800		4,100		1.8		99.95%	99.96%	99.95%
1,1-Dichloroethene	ppbv	440		460		210		52.27%	54.35%	53.31%
1,2-Dichloroethane	ppbv	340		300		ND	U	100.00%	100.00%	100.00%
1,2-Dichloropropane	ppbv	320	_J	340	_J	ND	U	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	740	J/J	810	J/J	6.8		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	0.52	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	1,100		1,200		2.2	J/J	NC	NC	NC
Acetone	ppbv	1,400		1,200		19		98.42%	98.64%	98.53%
Benzene	ppbv	6,500		7,400		52		99.20%	99.30%	99.25%
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	7.7		NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	2.2		NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	4.1		NC	NC	NC
Chloroethane	ppbv	910		990		1.2		99.87%	99.88%	99.87%
Chloroform	ppbv	7,900		8,000		1.5		99.98%	99.98%	99.98%
Chloromethane	ppbv	ND	U	ND	U	5.4		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	18,000		22,000		54		99.70%	99.75%	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	9,000		11,000		8.3		99.91%	99.92%	99.92%
m,p-Xylene	ppbv	37,000		46,000		36		99.90%	99.92%	99.91%
Methylene Chloride	ppbv	12,000		13,000		14		99.88%	99.89%	99.89%
o-Xylene	ppbv	14,000		17,000		12		99.91%	99.93%	99.92%
Styrene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Tetrachloroethene	ppbv	22,000		26,000		140		99.36%	99.46%	99.41%
Toluene	ppbv	52,000		62,000		48		99.91%	99.92%	99.92%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	21		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	32,000		36,000		120		99.63%	99.67%	99.65%
Vinyl Chloride	ppbv	1,300		1,300		26		98.00%	98.00%	98.00%
Total	**ppbv**	**268,750**		**309,100**		**801.32**		**99.70%**	**99.74%**	**99.72%**
Total	**lb/hr**	**5.68**		**6.51**		**0.017**		**99.70%**	**99.74%**	**99.72%**

Notes:

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

Qualifiers:

J = Result is estimated
U = below reported quantitation limit

3/17/05 VOCs in lb/hr calculated based on Offsite: 1550 scfm, 55 degrees Fahrenheit and On-site: 1200 scfm, 40 degrees Fahrenheit (3/9/05)
Therm-Ox VOC lb/hr based on assumption of 70 degrees Fahrenheit
Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 1/7/2005								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent EF1**		**Low**	**High**	**Average**
Method TO-14										
1,1,1-Trichloroethane	ppbv	32,000		31,000		1,000		96.77%	96.88%	96.82%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,300		4,100		140		96.59%	96.74%	96.66%
1,1-Dichloroethene	ppbv	270	J/J	240	J/J	320.0		NC	NC	NC
1,2-Dichloroethane	ppbv	1,100		1,100		44.0		96.00%	96.00%	96.00%
1,2-Dichloropropane	ppbv	460	J/J	420	J/J	16.0	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	15,000		15,000		580		96.13%	96.13%	96.13%
2-Hexanone	ppbv	570	J/J	590	J/J	17.00	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	18,000		18,000		400		97.78%	97.78%	97.78%
Acetone	ppbv	18,000		19,000		1,100		93.89%	94.21%	94.05%
Benzene	ppbv	21,000		21,000		1,300		93.81%	93.81%	93.81%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroform	ppbv	2,100		2,000		79.0		96.05%	96.24%	96.14%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	3,200		3,200		150		95.31%	95.31%	95.31%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	14,000		15,000		410		97.07%	97.27%	97.17%
m,p-Xylene	ppbv	61,000		66,000		1,600		97.38%	97.58%	97.48%
Methylene Chloride	ppbv	32,000		31,000		1,300		95.81%	95.94%	95.87%
o-Xylene	ppbv	19,000		22,000		510		97.32%	97.68%	97.50%
Styrene	ppbv	1,000		1,300		160.0		84.00%	87.69%	85.85%
Tetrachloroethene	ppbv	27,000		28,000		1,300		95.19%	95.36%	95.27%
Toluene	ppbv	140,000		140,000		4,900		96.50%	96.50%	96.50%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	22.0	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	21,000		21,000		920		95.62%	95.62%	95.62%
Vinyl Chloride	ppbv	140	J/J	150	J/J	55		NC	NC	NC
Total	**ppbv**	**431,140**		**440,100**		**16,323**		**96.21%**	**96.29%**	**96.25%**
Total	**lb/hr**	**10.87**		**11.11**		**0.407**		**96.26%**	**96.34%**	**96.30%**

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

Qualifiers:
J = Result is estimated
U = below reported quantitation limit

1/7/05 VOCs in lb/hr calculated based on Offsite: 1192 scfm, 64 degrees Fahrenheit and On-site: 906 scfm, 54 degrees Fahrenheit (12/21/04)
Therm-Ox VOC lb/hr based on assumption of 70 degrees Fahrenheit
Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 2/10/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	30,000		32,000		800		97.33%	97.50%	97.42%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	3,700		4,200		120		96.76%	97.14%	96.95%
1,1-Dichloroethene	ppbv	230	J/J	260	J/J	330		NC	NC	NC
1,2-Dichloroethane	ppbv	1,200		ND	U	ND	U	NC	NC	NC
1,2-Dichloropropane	ppbv	420	J/J	430	J/J	ND	U	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	20,000		20,000		560		97.20%	97.20%	97.20%
2-Hexanone	ppbv	ND	U	ND	U	10.00	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	11,000		11,000		210		98.09%	98.09%	98.09%
Acetone	ppbv	19,000		18,000		900		95.00%	95.26%	95.13%
Benzene	ppbv	20,000		22,000		1,100		94.50%	95.00%	94.75%
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	7.0	J/J	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	5.7	J/J	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	12		NC	NC	NC
Chloroform	ppbv	2,100		2,300		67.0		96.81%	97.09%	96.95%
Chloromethane	ppbv	ND	U	ND	U	32.0	J/J	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	2,300		2,500		140		93.91%	94.40%	94.16%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	16,000		17,000		370		97.69%	97.82%	97.76%
m,p-Xylene	ppbv	69,000		71,000		1,500		97.83%	97.89%	97.86%
Methylene Chloride	ppbv	29,000		32,000		1,200		95.86%	96.25%	96.06%
o-Xylene	ppbv	22,000		22,000		480		97.82%	97.82%	97.82%
Styrene	ppbv	ND	U	ND	U	120.0		NC	NC	NC
Tetrachloroethene	ppbv	33,000		35,000		1,200		96.36%	96.57%	96.47%
Toluene	ppbv	150,000		170,000		4,100		97.27%	97.59%	97.43%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	11.0	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	23,000		25,000		800		96.52%	96.80%	96.66%
Vinyl Chloride	ppbv	133	J/J	210	J/J	52		NC	NC	NC
Total	**ppbv**	**452,083**		**484,900**		**14,127**		**96.88%**	**97.09%**	**96.98%**
Total	**lb/hr**	**11.48**		**12.31**		**0.353**		**96.93%**	**97.13%**	**97.03%**

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

Qualifiers:
J = Result is estimated
U = below reported quantitation limit

2/10/05 VOCs in lb/hr calculated based on Offsite: 1195 scfm, 60 degrees Fahrenheit (1/24/05) and On-site: 1203 scfm, 39 degrees Fahrenheit (2/11/05)
Therm-Ox VOC lb/hr based on assumption of 70 degrees Fahrenheit
Destruction efficiencies were not calculated if either the influent samples or the effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 3/17/05											
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent		Low	High	Average
1,1,1-Trichloroethane	ppbv	34,000		29,000		1,000		96.55%	97.06%	96.81%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	4,700		3,800		170		95.53%	96.38%	95.95%
1,1-Dichloroethene	ppbv	340	J/J	300	J/J	320		NC	NC	NC
1,2-Dichloroethane	ppbv	1,400		1,200		ND	U	100.00%	100.00%	100.00%
1,2-Dichloropropane	ppbv	410	J/J	ND	U	15	J/J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	21,000		15,000		510		96.60%	97.57%	97.09%
2-Hexanone	ppbv	ND	U	ND	U	12	J/J	NC	NC	NC
4-Methyl-2-pentanone	ppbv	11,000		7,800		180		97.69%	98.36%	98.03%
Acetone	ppbv	24,000		17,000		890		94.76%	96.29%	95.53%
Benzene	ppbv	26,000		22,000		1,400		93.64%	94.62%	94.13%
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Disulfide	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	ND	U	ND	U	25		NC	NC	NC
Chloroform	ppbv	2,500		2,000		85		95.75%	96.60%	96.18%
Chloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	2,700		2,300		420		81.74%	84.44%	83.09%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	14,000		12,000		360		97.00%	97.43%	97.21%
m,p-Xylene	ppbv	61,000		52,000		1,400		97.31%	97.70%	97.51%
Methylene Chloride	ppbv	38,000		32,000		1,400		95.63%	96.32%	95.97%
o-Xylene	ppbv	20,000		17,000		470		97.24%	97.65%	97.44%
Styrene	ppbv	ND	U	ND	U	130		NC	NC	NC
Tetrachloroethene	ppbv	29,000		25,000		1,300		94.80%	95.52%	95.16%
Toluene	ppbv	140,000		120,000		4,200		96.50%	97.00%	96.75%
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	19	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	22,000		19,000		860		95.47%	96.09%	95.78%
Vinyl Chloride	ppbv	260	J/J	230	J/J	100		NC	NC	NC
Total	**ppbv**	**452,310**		**377,630**		**15,266**		**95.96%**	**96.62%**	**96.29%**
Total	**lb/hr**	**13.84**		**11.64**		**0.468**		**95.98%**	**96.62%**	**96.30%**

Notes:

_/ = Laboratory data qualifier

/_ = Data validation qualifier

NC = Not calculated

ND = Non-detect

ppbv = parts per billion volume

lb/hr = pounds per hour

Qualifiers:

J = Result is estimated

U = below reported quantitation limit

3/17/05 VOCs in lb/hr calculated based on Offsite: 1550 scfm, 55 degrees Fahrenheit and On-site: 1200 scfm, 40 degrees Fahrenheit (3/9/05)

Therm-Ox VOC lb/hr based on assumption of 70 degrees Fahrenheit

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.

Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Table 3.7
SPBA and Off-site ISVE Results for Method TO-14 (VOCs)
January 2005
American Chemical Service NPL Site
Griffith, Indiana

		Sampled 1/7/2005					
Compounds	**Units**	**SBPA IN1**		**SBPA IN2**		**Off-Site**	
Method TO-14							
1,1,1-Trichloroethane	ppbv	24,000		28,000		14,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U	ND	U
1,1-Dichloroethane	ppbv	3,300		3,700		2,200	
1,1-Dichloroethene	ppbv	220	J/J	230	J/J	130	J/J
1,2-Dichloroethane	ppbv	810		1,100		690	
1,2-Dichloropropane	ppbv	340	J/J	380	J/J	370	
2-Butanone (Methyl Ethyl Ketone)	ppbv	12,000		16,000		7,100	
2-Hexanone	ppbv	ND	U	ND	U	330.00	J/J
4-Methyl-2-pentanone	ppbv	14,000		17,000		3,600	
Acetone	ppbv	16,000		19,000		8,000	
Benzene	ppbv	15,000		19,000		7,200	
Bromodichloromethane	ppbv	ND	U	ND	U	ND	U
Bromoform	ppbv	ND	U	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U	ND	U
Carbon Disulfide	ppbv	ND	U	ND	U	ND	U
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U	ND	U
Chloroethane	ppbv	ND	U	ND	U	ND	U
Chloroform	ppbv	1,600		1,900		1,600	
Chloromethane	ppbv	ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	2,000		2,400		2,500	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U
Ethyl Benzene	ppbv	12,000		14,000		7,400	
m,p-Xylene	ppbv	52,000		61,000		34,000	
Methylene Chloride	ppbv	25,000		28,000		12,000	
o-Xylene	ppbv	17,000		20,000		12,000	
Styrene	ppbv	930		1,100		590.00	
Tetrachloroethene	ppbv	22,000		26,000		16,000	
Toluene	ppbv	110,000		130,000		63,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U
Trichloroethene	ppbv	16,000		19,000		11,000	
Vinyl Chloride	ppbv	ND	U	150	J/J	140	J/J
Total	**ppbv**	**344,200**		**407,960**		**203,850**	
Total	**lb/hr**	**5.09**		**6.02**		**3.97**	

Notes:
_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
1/7/05 VOCs in lb/hr calculated based on Offsite: 1192 scfm, 64 degrees Fahrenheit and On-site: 906 scfm, 54 degrees Fahrenheit (12/21/04)

Qualifiers:
J = Result is estimated
U = below reported quantitation limit

Table 3.8
SPBA and Off-site ISVE System Results for Method TO-14 (VOCs)
February 2005
American Chemical Service NPL Site
Griffith, Indiana

		Sampled 2/10/2005			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	37,000		28,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	2,900		3,500	
1,1-Dichloroethene	ppbv	340		240	J/J
1,2-Dichloroethane	ppbv	420		1,200	
1,2-Dichloropropane	ppbv	300		440	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	ND	U	16,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	1,200		10,000	
Acetone	ppbv	750		16,000	
Benzene	ppbv	8,000		18,000	
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	640		ND	U
Chloroform	ppbv	7,900		1,900	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	10,000		2,200	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	9,600		16,000	
m,p-Xylene	ppbv	42,000		68,000	
Methylene Chloride	ppbv	12,000		26,000	
o-Xylene	ppbv	16,000		22,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	23,000		31,000	
Toluene	ppbv	49,000		130,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	15,000		21,000	
Vinyl Chloride	ppbv	590		ND	U
Total	**ppbv**	**236,640**		**411,480**	
Total	**lb/hr**	**5.28**		**8.04**	

Notes:

_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
2/10/05 VOCs in lb/hr calculated based on Offsite: 1195 scfm, 60 degrees Fahrenheit (1/24/05) and On-site: 1203 scfm, 39 degrees Fahrenheit (2/11/05)

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit

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

		Sampled 3/17/2005			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	51,000		43,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	ND	U	ND	U
1,1-Dichloroethane	ppbv	3,900		5,700	
1,1-Dichloroethene	ppbv	500		350	J/J
1,2-Dichloroethane	ppbv	360		1,700	
1,2-Dichloropropane	ppbv	330	/J	600	J/J
2-Butanone (Methyl Ethyl Ketone)	ppbv	810	J/J	24,000	
2-Hexanone	ppbv	ND	U	ND	U
4-Methyl-2-pentanone	ppbv	1,400		14,000	
Acetone	ppbv	1,600		25,000	
Benzene	ppbv	7,200		35,000	
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	860		ND	U
Chloroform	ppbv	8,500		3,200	
Chloromethane	ppbv	ND	U	ND	U
cis-1,2-Dichloroethene	ppbv	19,000		3,300	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	12,000		31,000	
m,p-Xylene	ppbv	54,000		140,000	
Methylene Chloride	ppbv	12,000		48,000	
o-Xylene	ppbv	21,000		49,000	
Styrene	ppbv	ND	U	ND	U
Tetrachloroethene	ppbv	29,000		51,000	
Toluene	ppbv	62,000		230,000	
trans-1,2-Dichloroethene	ppbv	ND	U	ND	U
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	37,000		31,000	
Vinyl Chloride	ppbv	1,300		400	J/J
Total	**ppbv**	**323,760**		**736,250**	
Total	**lb/hr**	**7.26**		**18.76**	

Notes:
_/ = Laboratory data qualifier
/_ = Data validation qualifier
NC = Not calculated
ND = Non-detect
ppbv = parts per billion volume
lb/hr = pounds per hour
3/17/05 VOCs in lb/hr calculated based on Offsite: 1550 scfm, 55 degrees Fahrenheit (3/9/05)
On-site: 1200 scfm, 40 degrees Fahrenheit (3/9/05)

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit

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

		Sampled 1/7/2005								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent EFF1**		**Low**	**High**	**Average**
Method TO-13										
1,2,4-Trichlorobenzene	µg	1.5		0.97	J/J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	49		31		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	6		3.6		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	9.6		5.6		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	1.6	J/J	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	2.6	J/B	5.1		3.8	J/B	NC	NC	NC
Butylbenzylphthalate	µg	0.57	J/J	0.66	J/J	0.54	J/J	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	0.25	J/J	0.56	J	ND	U	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	0.63	J/B	1	J/B	0.74	J/B	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	2.4		1.5		ND	U	100.00%	100.00%	100.00%
Hexachlorocyclopentadiene	µg	0.42	J/J	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	20		13		ND	U	100.00%	100.00%	100.00%
Naphthalene	µg	38		23		0.89	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

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

		Sampled 1/7/2005								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent EFF1		Low	High	Average
Method TO-13										
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	0.54	J/J	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	132.57		85.99		6.51		92.43%	95.09%	93.76%

Notes:

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

Qualifiers:

J = Result is estimated
U = Below reported quantitation limit
B = Compound is also detected in the blank

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 2/10/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U	0.63	J/B	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	0.31	J/B	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
Naphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC

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

		Sampled 2/10/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
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	**0.00**		**0.00**		**0.94**		**NC**	**NC**	**NC**

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

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit
B = Compound is also detected in the blank

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 3/17/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	0.38	J	0.26	J	ND	U	NC	NC	NC
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	0.76	J	1.1	J	0.6	J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	0.67	J/B	0.58	J/B	0.62	J/B	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	0.39	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	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
Naphthalene	µg	0.62	J	0.44	J	ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC

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

		Sampled 3/17/05								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
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	**2.43**		**2.38**		**1.61**		**NC**	**NC**	**NC**

Notes:

_/ = Laboratory data qualifier

/_ = Data validation qualifier

µg = Microgram

ND = Non-detect

NC = Not calculated

Qualifiers:

J = Result is estimated

U = Below reported quantitation limit

B = Compound is also detected in the blank

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.

Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 1/7/2005								
		Therm Ox 1						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent EF1		Low	High	Average
Method TO-13										
1,2,4-Trichlorobenzene	µg	0.25	J/J	0.93	J/J		ND	NC	NC	NC
1,2-Dichlorobenzene	µg	20		37		1.5	_/J	NC	NC	NC
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
1,4-Dichlorobenzene	µg	2.3		4.3		ND	U/R	100.00%	100.00%	100.00%
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	0.85	J/J	3.4		2.1	_/J	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	0.26	J/J	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Anthracene	µg	ND	U	ND	U	0.37	J/J	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	3.4	J/B	2.9	J/B	96,000	D	NC	NC	NC
Butylbenzylphthalate	µg	0.44	J/J	0.49	J/J	ND	U/R	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Diethylphthalate	µg	0.28	J/J	0.28	J/J	0.86	J/J	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
di-n-Butylphthalate	µg	0.78	J/B	0.69	J/B	1.1	J/JB	NC	NC	NC
Di-n-Octylphthalate	µg	ND	U	ND	U	0.25	J/J	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Fluorene	µg	ND	U	ND	U	0.39	J/J	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Hexachlorobutadiene	µg	0.56	J/J	1.7		ND	U/R	NC	NC	NC
Hexachlorocyclopentadiene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Hexachloroethane	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Isophorone	µg	3.5		11		0.31	J/J	NC	NC	NC
Naphthalene	µg	7.8		25		3.3	_/J	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U/R	NC	NC	NC

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

		Sampled 1/7/2005								
		Therm Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent EF1**		**Low**	**High**	**Average**
Method TO-13										
Pentachlorophenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	1.5	_/J	NC	NC	NC
Phenol	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U/R	NC	NC	NC
Total	µg	**40.16**		**87.69**		**96011.94**		**NC**	**NC**	**NC**

Notes:

_/ = Laboratory data qualifier

/_ = Data validation qualifier

mg = Microgram

NC = Not calculated

ND = Non-detect

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.

Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Qualifiers:

J = Result is estimated

U = Below reported quantitation limit

B = Compound is also detected in the blank

R = Quality control indicates the data is not usable

D = Indicates that the concentration was calculated using a secondary (higher) dilution factor (i.e., when the concentration of an analyte exceeds the upper calibration range)

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

		Sampled 2/10/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	Units	Influent IN1		Influent IN2		Effluent		Low	High	Average
1,2,4-Trichlorobenzene	µg	0.96	J/J	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	38		8.6		1.6		81.40%	95.79%	88.59%
1,3-Dichlorobenzene	µg	1.1		0.21	J/J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	4.4		1.0		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	3.0		0.67	J/J	0.22	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	ND	U	1.8	J/J	ND	U	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	ND	U	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	1.5		0.32	J/J	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	19		3.6		0.34	J/J	NC	NC	NC
Naphthalene	µg	25		5.1		1.6		68.63%	93.60%	81.11%
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

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

		Sampled 2/10/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
Pentachlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	2.5	J/J	0.69	J/J	1.0	J/J	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**95.5**		**22.0**		**4.8**		**78.35%**	**95.01%**	**86.68%**

Notes:

_/ = Laboratory data qualifier

/_ = Data validation qualifier

µg = Microgram

NC = Not calculated

ND = Non-detect

Qualifiers:

J = Result is estimated

U = Below reported quantitation limit

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.

Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

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

		Sampled 3/17/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	*Units*	*Influent IN1*		*Influent IN2*		*Effluent*		*Low*	*High*	*Average*
1,2,4-Trichlorobenzene	µg	ND	U	1.3		ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	3.2		46		1.4		56.25%	96.96%	76.60%
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	0.37	J	5.5		ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Chlorophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylnaphthalene	µg	0.29	J/	4.6		ND	U	NC	NC	NC
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
bis(2-Ethylhexyl)phthalate	µg	ND	U	1.6	J	0.7	J	NC	NC	NC
Butylbenzylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Chrysene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dibenzofuran	µg	ND	U	ND	U	ND	U	NC	NC	NC
Diethylphthalate	µg	0.42	J/B	0.52	J/B	0.5	J/B	NC	NC	NC
Dimethylphthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
di-n-Butylphthalate	µg	ND	U	ND	U	0.32	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	ND	U	2.4		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	20		0.48	J	NC	NC	NC
Naphthalene	µg	2.6		37		1.6		38.46%	95.68%	67.07%
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

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

		Sampled 3/17/05								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent IN1**		**Influent IN2**		**Effluent**		**Low**	**High**	**Average**
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	ND	ND	U	NC	NC	NC
Total	µg	**6.9**		**118.9**		**5.0**		**27.33%**	**95.80%**	**61.56%**

Notes:

_/ = Laboratory data qualifier

/_ = Data validation qualifier

µg = Microgram

NC = Not calculated

ND = Non-detect

Destruction efficiencies were not calculated if either the influent samples or effluent sample were estimated.

Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.

Qualifiers:

J = Result is estimated

U = Below reported quantitation limit

B = Compound is also detected in the blank

Table 3.16
SPBA and Off-site ISVE Results
for Method TO-13 (SVOCs) - January 2005
American Chemical Service NPL Site
Griffith, Indiana

		Sampled 1/7/2005					
Compounds	**Units**	**SBPA ISVE IN1**		**SBPA ISVE IN2**		**Off-Site ISVE**	
Method TO-13							
1,2,4-Trichlorobenzene	µg	1.5		0.97	J/J	0.48	J/J
1,2-Dichlorobenzene	µg	49		31		12	
1,3-Dichlorobenzene	µg	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	µg	6		3.6		1.6	
2,4,5-Trichlorophenol	µg	ND	U	ND	U	ND	U
2,4,6-Trichlorophenol	µg	ND	U	ND	U	ND	U
2,4-Dichlorophenol	µg	ND	U	ND	U	ND	U
2,4-Dimethylphenol	µg	ND	U	ND	U	ND	U
2,4-Dinitrophenol	µg	ND	U	ND	U	ND	U
2,4-Dinitrotoluene	µg	ND	U	ND	U	ND	U
2,6-Dinitrotoluene	µg	ND	U	ND	U	ND	U
2-Chloronaphthalene	µg	ND	U	ND	U	ND	U
2-Chlorophenol	µg	ND	U	ND	U	ND	U
2-Methylnaphthalene	µg	9.6		5.6		2	
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U	ND	U
2-Nitroaniline	µg	ND	U	ND	U	ND	U
2-Nitrophenol	µg	ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine	µg	ND	U	ND	U	ND	U
3-Nitroaniline	µg	ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U	ND	U	ND	U
4-Chloroaniline	µg	ND	U	ND	U	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U	ND	U
4-Methylphenol/3-Methylphenol	µg	1.6	J/J	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U	ND	U
4-Nitrophenol	µg	ND	U	ND	U	ND	U
Acenaphthene	µg	ND	U	ND	U	ND	U
Acenaphthylene	µg	ND	U	ND	U	ND	U
Anthracene	µg	ND	U	ND	U	ND	U
Benzo(a)anthracene	µg	ND	U	ND	U	ND	U
Benzo(a)pyrene	µg	ND	U	ND	U	ND	U
Benzo(b)fluoranthene	µg	ND	U	ND	U	ND	U
Benzo(g,h,i)perylene	µg	ND	U	ND	U	ND	U
Benzo(k)fluoranthene	µg	ND	U	ND	U	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U	ND	U
bis(2-Ethylhexyl)phthalate	µg	2.6	J/B	5.1		1.8	J/B
Butylbenzylphthalate	µg	0.57	J/J	0.66	J/J	0.53	J/J
Chrysene	µg	ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U	ND	U
Diethylphthalate	µg	0.25	J/J	0.56	J	0.3	J/J
Dimethylphthalate	µg	ND	U	ND	U	ND	U
di-n-Butylphthalate	µg	0.63	J/B	1	J/B	0.77	J/B
Di-n-Octylphthalate	µg	ND	U	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U	ND	U
Fluorene	µg	ND	U	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U	ND	U
Hexachlorobutadiene	µg	2.4		1.5		0.35	J/J
Hexachlorocyclopentadiene	µg	0.42	J/J	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U	ND	U
Isophorone	µg	20		13		5.2	
Naphthalene	µg	38		23		11	
Nitrobenzene	µg	ND	U	ND	U	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U

Table 3.16
SPBA and Off-site ISVE Results
for Method TO-13 (SVOCs) - January 2005
American Chemical Service NPL Site
Griffith, Indiana

		Sampled 1/7/2005					
Compounds	**Units**	**SBPA ISVE IN1**		**SBPA ISVE IN2**		**Off-Site ISVE**	
Method TO-13							
Pentachlorophenol	µg	ND	U	ND	U	ND	U
Phenanthrene	µg	ND	U	ND	U	ND	U
Phenol	µg	ND	U	ND	U	ND	U
Pyrene	µg	ND	U	ND	U	ND	U
Total	µg	**132.57**		**85.99**		**36.0**	

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

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit
B = Compound is also detected in the blank

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

		Sampled 2/10/2005			
Compounds	**Units**	**SBPA ISVE**		**OFF-Site ISVE**	
1,2,4-Trichlorobenzene	µg	ND	U	ND	U
1,2-Dichlorobenzene	µg	4.8		ND	U
1,3-Dichlorobenzene	µg	ND	U	ND	U
1,4-Dichlorobenzene	µg	0.83	J/J	ND	U
2,4,5-Trichlorophenol	µg	ND	U	ND	U
2,4,6-Trichlorophenol	µg	ND	U	ND	U
2,4-Dichlorophenol	µg	ND	U	ND	U
2,4-Dimethylphenol	µg	ND	U	ND	U
2,4-Dinitrophenol	µg	ND	U	ND	U
2,4-Dinitrotoluene	µg	ND	U	ND	U
2,6-Dinitrotoluene	µg	ND	U	ND	U
2-Chloronaphthalene	µg	ND	U	ND	U
2-Chlorophenol	µg	ND	U	ND	U
2-Methylnaphthalene	µg	1.2		ND	U
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U	ND	U
3,3'-Dichlorobenzidine	µg	ND	U	ND	U
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U	ND	U
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U	ND	U
Acenaphthene	µg	ND	U	ND	U
Acenaphthylene	µg	ND	U	ND	U
Anthracene	µg	ND	U	ND	U
Benzo(a)anthracene	µg	ND	U	ND	U
Benzo(a)pyrene	µg	ND	U	ND	U
Benzo(b)fluoranthene	µg	ND	U	ND	U
Benzo(g,h,i)perylene	µg	ND	U	ND	U
Benzo(k)fluoranthene	µg	ND	U	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	ND	U	ND	U
Dimethylphthalate	µg	ND	U	ND	U
di-n-Butylphthalate	µg	ND	U	ND	U
Di-n-Octylphthalate	µg	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U
Fluorene	µg	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	ND	U	ND	U
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	2.8		ND	U
Naphthalene	µg	4.3		ND	U
Nitrobenzene	µg	ND	U	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U

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

		Sampled 2/10/2005			
Compounds	**Units**	**SBPA ISVE**		**OFF-Site ISVE**	
Pentachlorophenol	µg	ND	U	ND	U
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	1.3	J/J	ND	U
Pyrene	µg	ND	U	ND	U
Total	µg	**15.2**		**0.00**	

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

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit

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

Compounds	Units	Sampled 3/17/2005			
		SBPA ISVE		OFF-Site ISVE	
1,2,4-Trichlorobenzene	µg	ND	U	ND	ND
1,2-Dichlorobenzene	µg	2		6.6	
1,3-Dichlorobenzene	µg	ND	U	ND	U
1,4-Dichlorobenzene	µg	0.4	J/	0.79	J/
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	0.86	J/	0.71	J/
2-Methylphenol (o-Cresol)	µg	ND	U	ND	U
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U	ND	U
3,3'-Dichlorobenzidine	µg	ND	U	ND	U
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U	ND	U
4-Bromophenyl-phenyl Ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U	ND	U
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl-phenyl Ether	µg	ND	U	ND	U
4-Methylphenol/3-Methylphenol	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U	ND	U
Acenaphthene	µg	ND	U	ND	U
Acenaphthylene	µg	ND	U	ND	U
Anthracene	µg	ND	U	ND	U
Benzo(a)anthracene	µg	ND	U	ND	U
Benzo(a)pyrene	µg	ND	U	ND	U
Benzo(b)fluoranthene	µg	ND	U	ND	U
Benzo(g,h,i)perylene	µg	ND	U	ND	U
Benzo(k)fluoranthene	µg	ND	U	ND	U
bis(2-Chloroethoxy) Methane	µg	ND	U	ND	U
bis(2-Chloroethyl) Ether	µg	ND	U	ND	U
bis(2-Ethylhexyl)phthalate	µg	ND	U	ND	U
Butylbenzylphthalate	µg	ND	U	ND	U
Chrysene	µg	ND	U	ND	U
Dibenz(a,h)anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethylphthalate	µg	0.46	J/B	0.53	J/B
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	ND	U	ND	U
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno(1,2,3-c,d)pyrene	µg	ND	U	ND	U
Isophorone	µg	0.57	J/	3.5	
Naphthalene	µg	3.0		5.4	
Nitrobenzene	µg	ND	U	ND	U
N-Nitroso-di-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U

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

		Sampled 3/17/2005			
Compounds	**Units**	**SBPA ISVE**		**OFF-Site ISVE**	
Pentachlorophenol	µg	ND	U	ND	U
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	ND	U	ND	U
Pyrene	µg	ND	U	ND	U
Total	µg	7.3		17.53	

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

Qualifiers:
J = Result is estimated
U = Below reported quantitation limit
B = Compound is also detected in the blank

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-01	1/24/2005	0	71	283	
	3/9/2005	47	62	420	
SVE-03	1/25/2005	0	70	341	
	3/9/2005	38	60	440	
SVE-04	1/24/2005	122	82	422	
	3/9/2005	102	74	455	
SVE-05	1/24/2005	0	68	388	
	3/9/2005	27	58	425	
SVE-07	1/24/2005	71	59	310	
	3/9/2005	27	50	470	
SVE-08	1/24/2005	0	75	321	
	3/9/2005	27	66	485	
SVE-09	1/24/2005	134	66	343	
	3/9/2005	135	58	485	
SVE-11	1/24/2005	-	66	313	
	3/9/2005	-	56	485	
SVE-13	1/24/2005	0	61	1108	
	3/9/2005	0	55	360	
SVE-14	1/24/2005	0	64	4688	
	3/9/2005	77	54	510	
SVE-15	1/24/2005	291	69	1105	
	3/9/2005	0	54	400	
SVE-16	1/24/2005	0	64	2481	
	3/9/2005	171	58	375	
SVE-19	1/24/2005	0	69	520	Water in riser pipe
	3/9/2005	0	60	360	
SVE-20	1/24/2005	0	79	371	
	3/9/2005	0	70	365	
SVE-21	1/24/2005	71	68	347	
	3/9/2005	105	56	390	
SVE-23	1/24/2005	111	61	2905	
	3/9/2005	100	68	440	
SVE-25	1/24/2005	138	68	1911	
	3/9/2005	132	60	385	
SVE-26	1/24/2005	0	65	255	
	3/9/2005	0	56	460	
SVE-27	1/24/2005	0	63	1038	
	3/9/2005	0	54	385	
SVE-29	1/24/2005	60	66	63	
	3/9/2005	61	54	410	
SVE-30	1/24/2005	37	72	850	
	3/9/2005	0	60	330	
SVE-31	1/24/2005	27	63	473	
	3/9/2005	47	54	245	
SVE-33	1/24/2005	0	64	781	
	3/9/2005	0	60	270	
SVE-36	1/24/2005	0	66	858	
	3/9/2005	0	56	310	
SVE-37	1/24/2005	23	79	984	
	3/9/2005	0	72	280	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-38	1/24/2005	0	70	691	
	3/9/2005	0	60	310	
SVE-39	1/24/2005	240	64	1209	
	3/9/2005	97	60	275	
SVE-41	1/24/2005	17	68	2777	
	3/9/2005	0	58	290	

Notes:
"-" = data not collected
cfm = cubic feet per minute
"H_20 = inches of water
ppm = parts per million
Well measurements were not taken in February 2005 due to weather conditions.

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

Date	KP1 Line Press (psia)	KP1 Flow (scfm)	KP1 Vac (" H_2O)	KP2 Line Press (psia)	KP2 Flow (scfm)	KP2 Vac (" H_2O)	OFCA1 Vac (" H_2O)	OFCA2 Vac (" H_2O)	OFCA3 Vac (" H_2O)	Dilution Flow (cfm)	Blower Inf Line Press (psia)	Blower Inf Flow (scfm)
1/24/2005	12.3	-	68	12.4	161	64	67	58	66	0	12.1	1231
3/9/2005	12.7	-	56	12.7	1266	56	56	47	56	0	12.4	1251

Date	Blower Inf Vac (" H2O)	Blower Inf VOC (ppm)	Blower Inf Temp. (°F)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (°F)	Filter Diff Press (" H_2O)	Ambient Temperature (°F)	Barometric Pressure ("Hg)	Humidity (%)
1/24/2005	72	-	60	0.9	0	26.0	-	138	7.0	30	29.95	64%
3/9/2005	64	-	55	0.9	0	25.0	-	130	7.0	24	29.95	50%

Notes:

"-" = data not collected
scfm = standard cubic feet per minute
"H_2O = inches of water
ppm = parts per million
VOCs = volatile organic compounds
psia = pounds per square inch, atmosphere
" Hg = inches of mercury
° F = degrees Fahrenheit
System measurements were not taken in February 2005 due to weather conditions.

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-43	1/24/2005	0	56	460	
	2/11/2005	0	48	NM	VOCs not measured
	3/9/2005	0	63	470	
SVE-45	1/24/2005	21	63	490	
	2/11/2005	0	54	NM	VOCs not measured
	3/9/2005	27	69	350	
SVE-47	1/24/2005	17	68	1720	
	2/11/2005	0	59	NM	VOCs not measured
	3/9/2005	0	74	450	
SVE-48	1/24/2005	48	67	560	Liquid in pipe.
	2/11/2005	94	54	NM	VOCs not measured
	3/9/2005	158	68	370	
SVE-55	1/24/2005	0	60	420	Liquid in line.
	2/11/2005	0	50	NM	VOCs not measured
	3/9/2005	32	65	310	
SVE-56	1/24/2005	12	62	775	
	2/11/2005	0	50	NM	VOCs not measured
	3/9/2005	0	67	325	
SVE-57	1/24/2005	0	11	535	
	2/11/2005	17	48	NM	VOCs not measured
	3/9/2005	0	63	285	
SVE-58	1/24/2005	0	58	615	
	2/11/2005	0	48	NM	VOCs not measured
	3/9/2005	0	65	400	
SVE-59	1/24/2005	0	65	515	
	2/11/2005	0	53	NM	VOCs not measured
	3/9/2005	0	68	380	
SVE-63	1/24/2005	12	58	3160	
	2/11/2005	0	46	NM	VOCs not measured
	3/9/2005	0	62	550	
SVE-64	1/24/2005	12	61	2262	
	2/11/2005	0	50	NM	VOCs not measured
	3/9/2005	0	64	455	
SVE-67	1/24/2005	0	58	4225	Liquid in riser pipe.
	2/11/2005	0			VOCs not measured
	3/9/2005	21	62	860	
SVE-68	1/24/2005	27	59	1545	Liquid in riser pipe.
	2/11/2005	0	50	NM	VOCs not measured
	3/9/2005	0	65	295	
SVE-69	1/24/2005	0	59	740	
SVE-70	1/24/2005	0	100	766	Vacuum > 100
	2/11/2005	11	100	NM	VOCs not measured
	3/9/2005	26	93	530	
SVE-74	1/24/2005	12	74	3332	Liquid in riser pipe.
	2/11/2005	0	56	NM	VOCs not measured
	3/9/2005	12	73	1350	
SVE-75	1/24/2005	24	62	1522	
	2/11/2005	30	53	NM	VOCs not measured
	3/9/2005	0	70	505	
SVE-76	1/24/2005	17	66	1551	
	2/11/2005	0	56	NM	VOCs not measured
	3/9/2005	0	72	550	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-83	1/24/2005	17	67	980	Liquid in riser pipe.
	2/11/2005	0	58	NM	VOCs not measured
	3/9/2005	0	72	975	
SVE-85	1/24/2005	0	57	6300	Liquid in riser pipe.
	2/11/2005	206	46	NM	VOCs not measured
	3/9/2005	12	65	1500	
SVE-86	1/24/2005	12	56	1160	Liquid in riser pipe.
	2/11/2005	0	48	NM	VOCs not measured
	3/9/2005	0	64	515	
SVE-87	1/24/2005	12	86	3200	Liquid in riser pipe.
	2/11/2005	0	74	NM	VOCs not measured
	3/9/2005	0	92	730	

Notes:
"-" = data not collected
cfm = cubic feet per minute
"H_20 = inches of water
ppm = parts per million
VOC measurements were not taken in February 2005 due to broken equipment.

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

Date	Line Press (psia)	Flow (scfm)	Vac (" H_2O)	Line Press (psia)	Flow (scfm)	Vac (" H_2O)	Dilution Flow (cfm)	Blower Inf Line Press (psia)	Blower Inf Flow (scfm)	Blower Inf Vac (" H2O)	Blower Inf VOC (ppm)
1/24/2005	12.4	0	64	12.4	0	64	0	14.7	151	0	NM
2/11/2005	12.8	0	54	12.8	167	54	0	14.8	620	0	NM
3/9/2005	12.2	0	71	12.2	0	70	0	11.1	0	100	

Date	Blower Eff Diff Press (" H2O)	Blower Inf Temp. (°F)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (°F)	Filter Diff Press (" H_2O)	Ambient Temperature (°F)	Barometric Pressure ("Hg)	Humidity (%)
1/24/2005	4.5	29	15.4	1141	18.0	-	116	16.0	30	29.95	64%
2/11/2005	5.0	39	15.3	1203	15.0	-	113	6.0	36	30.06	70%
3/9/2005	4.7	40	14.9	1163	4.0	-	100	6.0	24	29.96	50%

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
March 2005
American Chemical Service NPL Site
Griffith, Indiana

Upper Aquifer Wells

Well Designation	Reference Points			3/21/2005		Notes	Difference Across Barrier Wall
	East	North	TOIC	level	Elevation		
MW11	6377	7329	640.47	4.94	635.53		n/a
MW13	5050	7814	634.08	3.16	630.92		n/a
MW37	5395	7976	636.78	4.66	632.12		n/a
MW46	4526	7424	633.32	2.63	630.69		n/a
MW48	5669	7814	636.36	4.07	632.29		n/a
MW49	5551	7650	637.00	4.67	632.33		n/a

Staff Gauges & Piezometers

Well Designation	Reference Points			3/21/2005		Notes	Difference Across Barrier Wall
	East	North	TOSG	level	Elevation		
P23	4689	7018	636.18	5.49	630.69		n/a
P25	5131	7510	635.01	1.78	633.23		n/a
P26	4764	7309	634.23	3.59	630.64		n/a
P27	4904	7020	639.70	8.51	631.19		n/a
P28	5883	7486	644.53	10.05	634.48		n/a
P31	5480	7159	641.03	DRY	DRY		n/a
P32	5746	7026	642.32	9.92	632.40		n/a
P36	5410	6851	645.89	14.43	631.46		n/a
P40	5931	7241	638.77	3.73	635.04		n/a
P41	5663	7377	637.23	3.35	633.88		n/a
P49	5145	6949	638.98	7.96	631.02		n/a
SG8R	5409	5252	634.70	0.04	634.66		
SG5	5464	7713	633.36	2.92	630.44		
SG13	4819	7209	631.53	5.0	630.6	TOSG = 6.0' mark	n/a

PGCS Piezometer Sets

Well Designation	Reference Points			3/21/2005		Notes	Difference Across Barrier Wall
	East	North	TOC	level	Elevation		
P81	5577	7581	636.19	4.40	631.79		n/a
P82	5577	7572	635.77	3.96	631.81		n/a
P83	5577	7561.6	635.95	3.69	632.26		n/a
P84	5322	7603	634.35	3.25	631.10		n/a
P85	5326	7594	634.08	2.69	631.39		n/a
P86	5329	7585	634.41	3.10	631.31		n/a
P87	5121	7466	633.88	3.46	630.42		n/a
P88	5130	7460	633.90	2.96	630.94		n/a
P89	5137	7454	634.02	3.06	630.96		n/a
P90	4881	7152	634.45	3.80	630.65		n/a
P91	4889	7145	634.59	3.95	630.64		n/a
P92	4896	7138.1	633.87	3.27	630.60		n/a

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

BWES Water Level and Piezometer Pairs

Well Designation	Reference Points			3/21/2005		Notes	Difference Across Barrier Wall
	East	North	TOC	level	Elevation		
P93R - Outside BW	TBD	TBD	639.05	7.90	631.15	Installed Nov. 2004	-0.64
P94R - Inside BW	TBD	TBD	640.99	10.48	630.51	Installed Nov. 2004	
P95 - Outside BW	5146	6532	638.58	5.85	632.73		-9.17
P96 - Inside BW	5156	6537	641.26	17.80	623.46	TD=17.80 (623.46)	
P105 - Outside BW	5885	6678	638.86	2.50	636.36		-5.39
P106 - Inside BW	5871	6685	638.10	7.13	630.97		
P107 - Outside BW	5766	7339	637.42	3.02	634.40		-2.23
P108 - Inside BW	5757	7324	638.13	5.96	632.17		
P109 - Outside BW	5740	6387	644.30	8.17	636.13		-8.18
P110 - Inside BW	5705	6382	647.68	19.73	627.95		
P111 - Outside BW	5551	5950	650.03	13.39	636.64		-10.62
P112 - Inside BW	5525	5960	653.36	27.34	626.02		
P113 - Inside BW	5309	5693	657.53	30.20	627.33		-7.59
ORCPZ102 - Outside BW	5331	5612	652.47	17.55	634.92		
P114 - Inside BW	5035	5729	653.69	25.65	628.04		-6.69
P115 - Outside BW	4970	5708	652.50	17.77	634.73		
P116 - Inside BW	5031	6087	646.26	18.76	627.50		-6.55
P117 - Outside BW	5014	6087	643.93	9.88	634.05		
P118 - Inside BW	5402	6539	645.52	18.85	626.67		n/a

Notes:

All depth measurements and elevations are in units of feet.
Elevation is in feet above mean sea level.
TOIC = top of inner casing
TOC = top of casing
TOSG = top of staff gauge
CNM = could not measure (reason given under "Notes" column)
n/a = not applicable
1 = A positive value indicates that the water level is higher inside the barrier wall.
A negative value indicates that the water level is lower inside the barrier wall.

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

Date	On-Site Area					
	Target Level	P-29	P-31	P-32	P-36	P-49
3/4/2005	629.0	631.27	630.93	631.52	627.54	631.08
3/18/2005	629.0	631.07	632.43	632.42	627.24	631.08

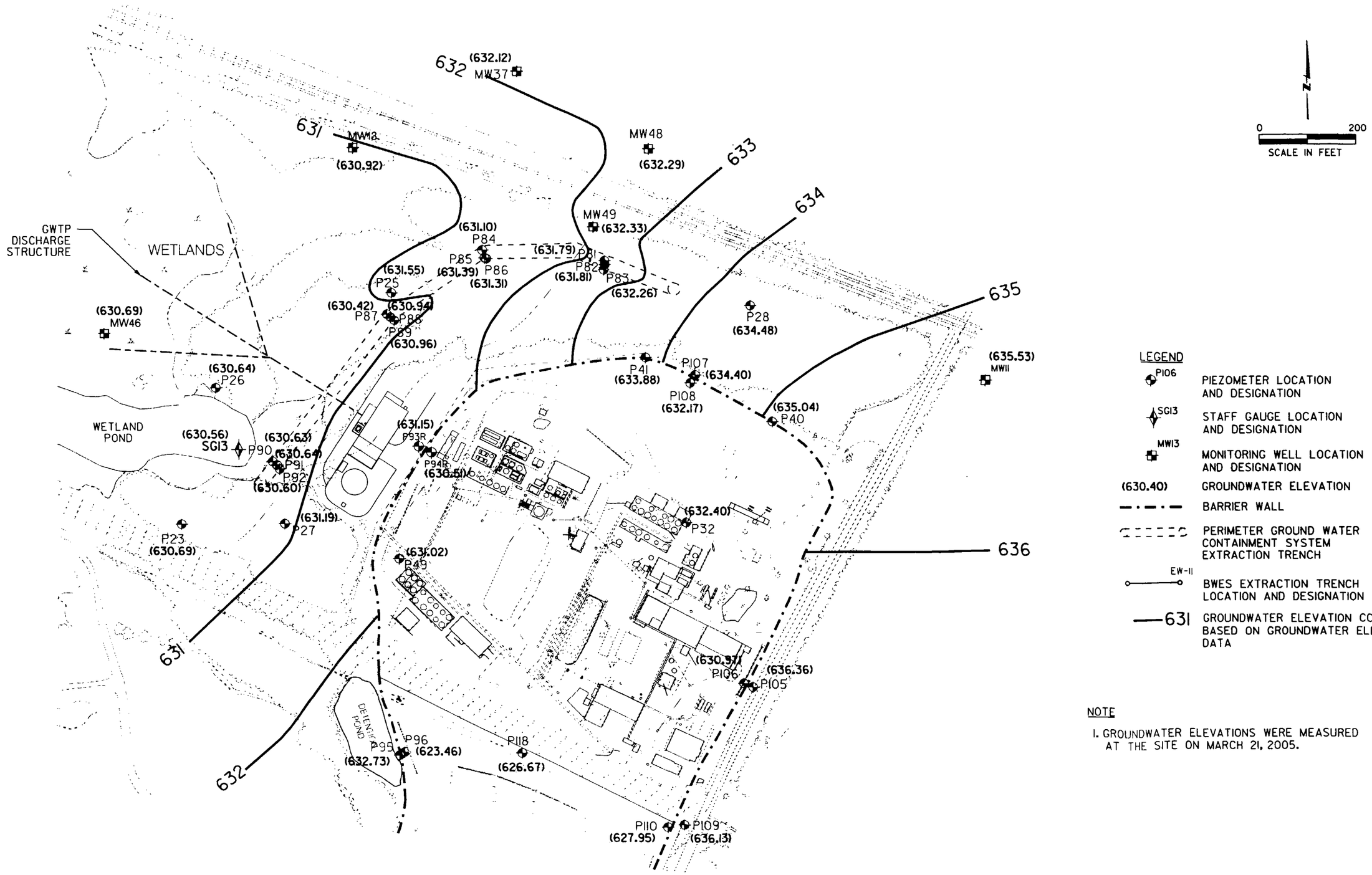
Date	Off-Site Area										
	Target Level	P-96	P-110	P-112	P-113	P-114	P-116	P-118	AS-7	AS-8	AS-9
2/11/2005	626.0	625.3	627.9	627.3	627.0	627.2	627.2	627.6	628.3	628.04	627.64
3/4/2005	626.0	620.49	627.88	625.56	626.33	626.79	626.46	626.52	NM	NM	NM
3/9/2005	626.0	620.7	627.5	625.1	626.4	626.6	626.2	627.0	627	626.20	622.3
3/18/2005	626.0	620.59	627.88	625.56	627.83	628.69	628.36	626.82	NM	NM	NM

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

Figures

MWH

FIGURES

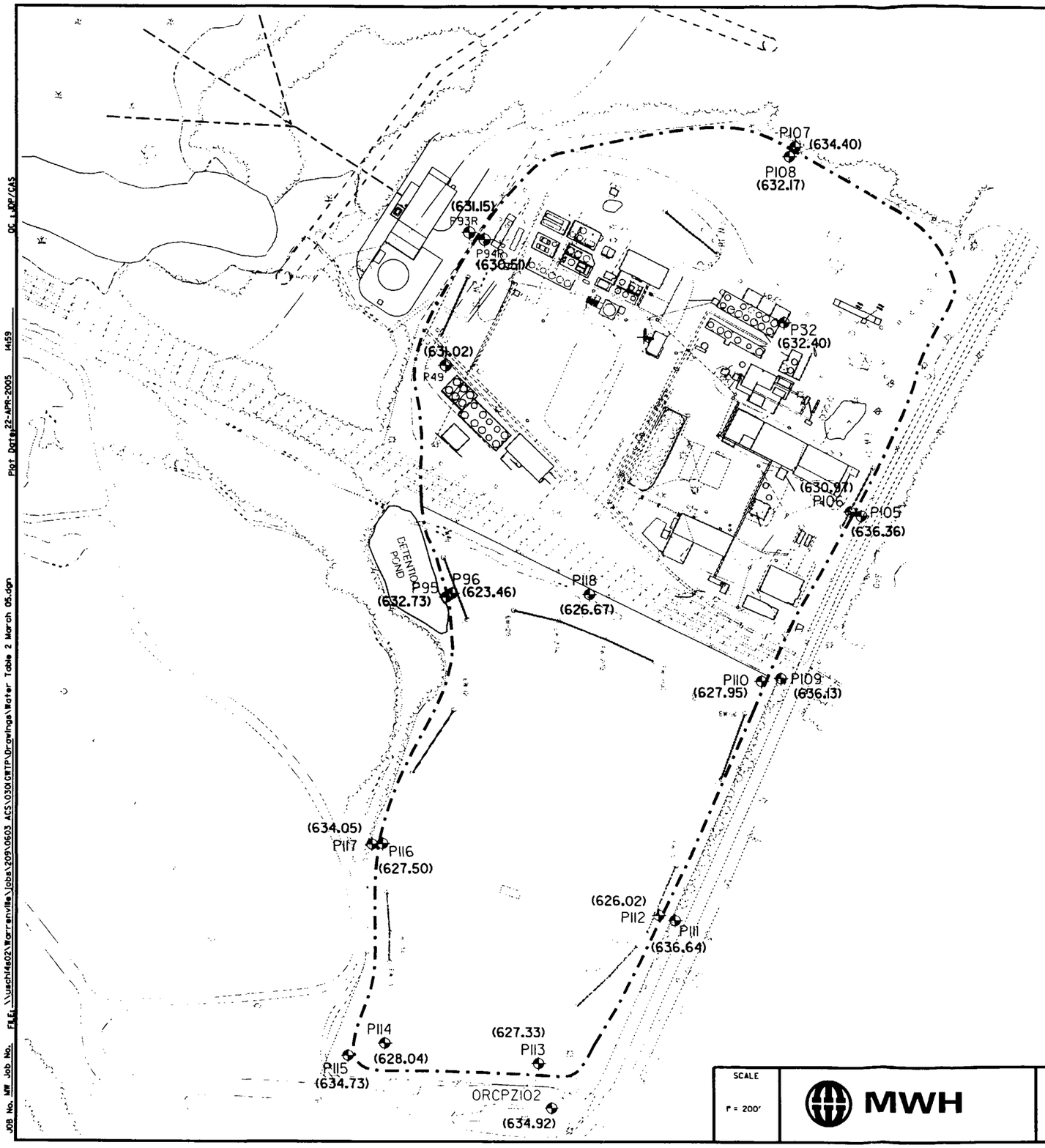


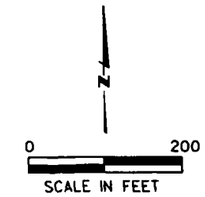
NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON MARCH 21, 2005.

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

JOB No. MW Job No. FILE: \\uschl4s02\Warrenville\Jobs\209\0603 ACS\0301GWTP\Drawings\Water Table 1March 05.dgn Plot Date: 24-JUN-2005 10:51 DC : JDP/CAS





LEGEND

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

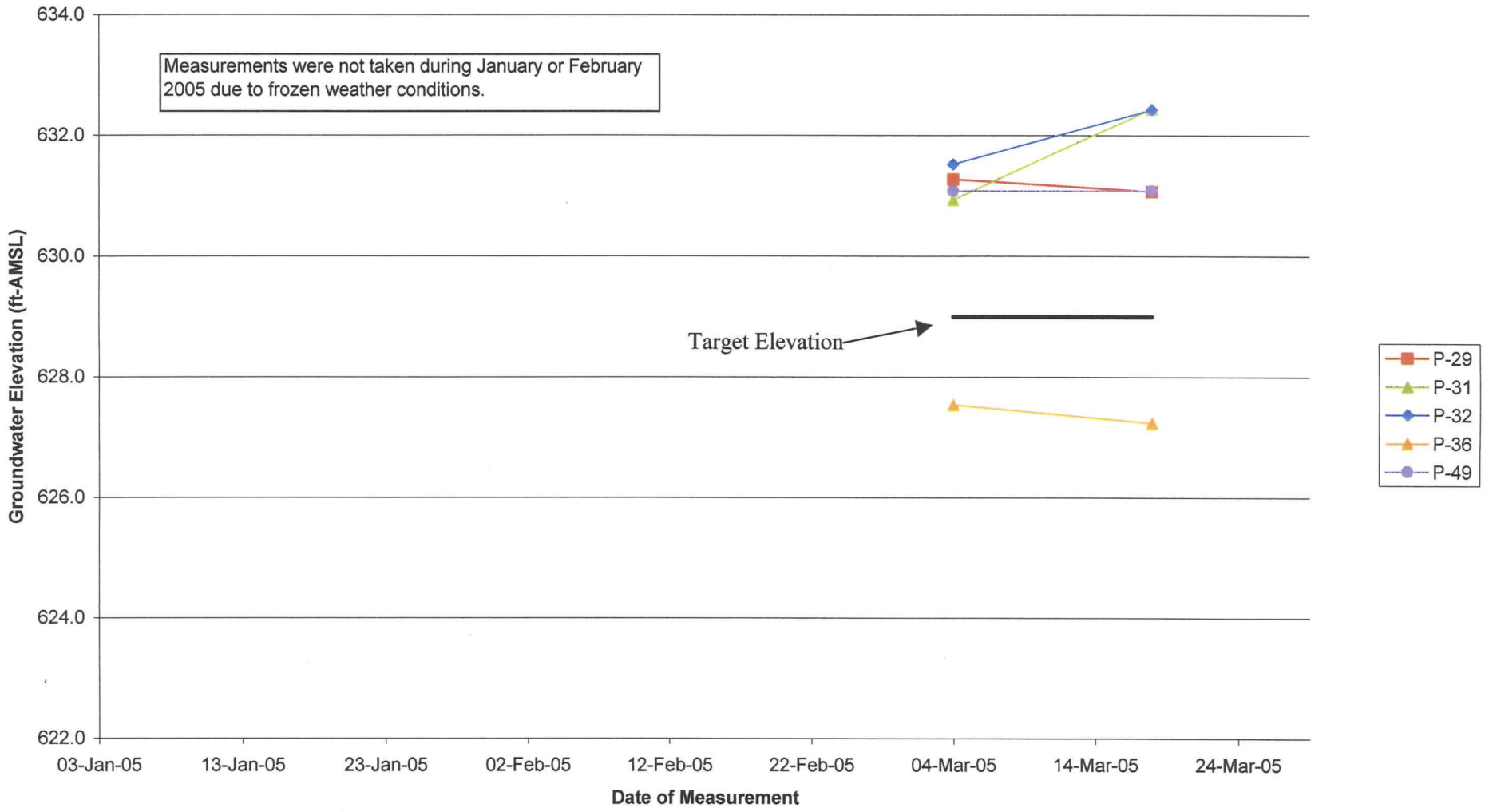
NOTE

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON MARCH 21, 2005

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

JOB No. MW Job No. FILE: \\uschi4e02\Warrenville\Jobs\209\0603 ACS\030\GWTP\Drawings\Water Table 2 March 05.dgn
Plot Date: 22-APR-2005 14:59 DG: JKP/CAS

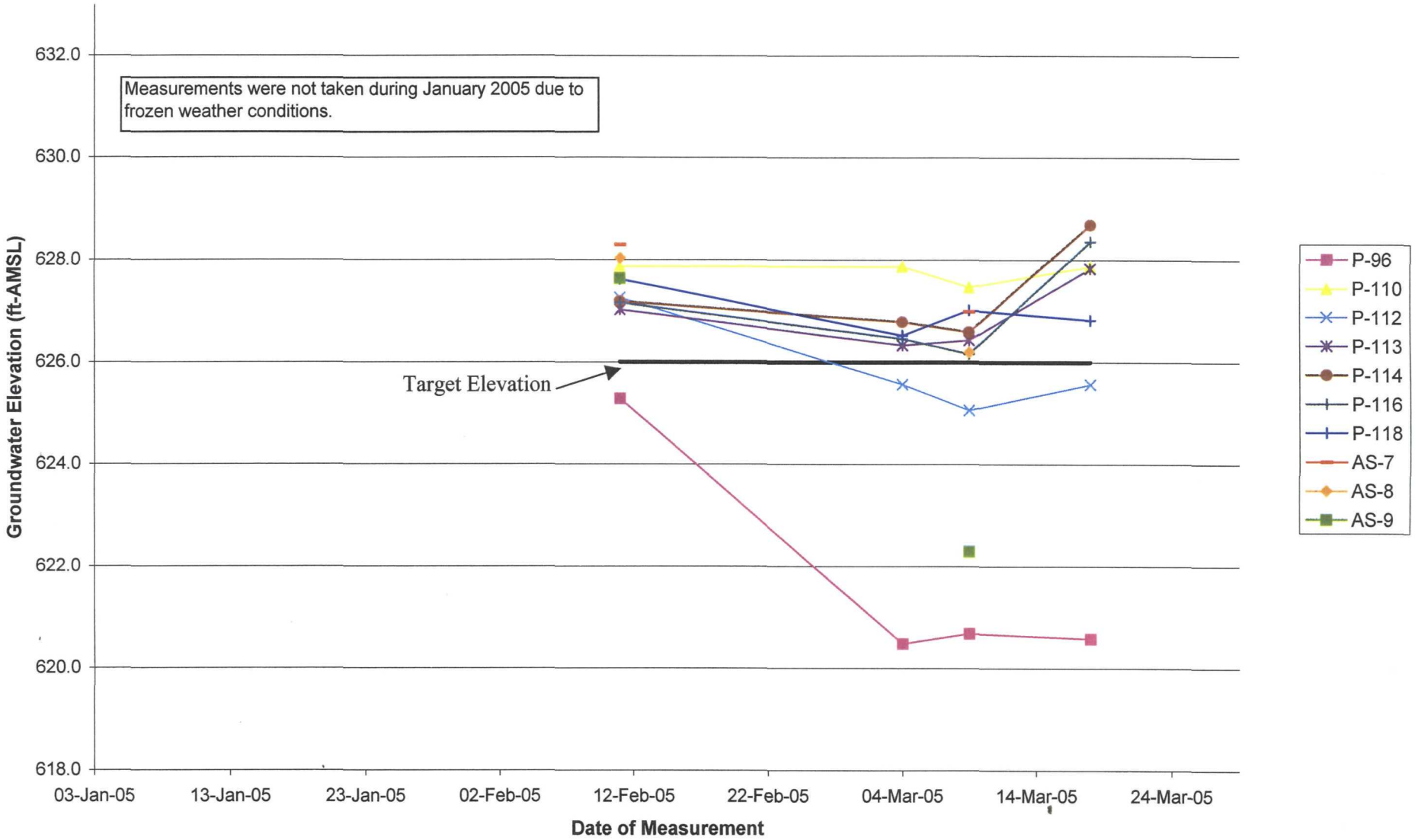
Figure 6.3
Water Level Trends Inside the Barrier Wall (Still Bottoms Pond Area)
ACS NPL Site
Griffith, Indiana



Note:
Hollow Points represent dry piezometers (data used for graphing purposes only).
The bottom elevation of the piezometers may vary due to silting or removal of silt.

ALC/
J:\209\0603 ACS\0301 GWTP\6030301a147.xls\SBPA GW Trends

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



ALC/
J:\209\0603 ACS\0301GWTP\6030301a147.xls\Off-Site GW Trends

Appendix A

MWH

January 31, 2005 Compliance Sample
Laboratory Results

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5649

Matrix: (soil/water) WATER Lab Sample ID: 564901

Sample wt/vol: 25 (g/ml) ML Lab File ID: 564901A73

Level: (low/med) LOW Date Received: 02/01/05

% Moisture: not dec. _____ Date Analyzed: 02/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	0.50	U	UJ
75-01-4	Vinyl Chloride	0.50	U	↓
74-83-9	Bromomethane	0.50	U	↓
75-00-3	Chloroethane	1.5		J
75-35-4	1,1-Dichloroethene	0.50	U	UJ
75-15-0	Carbon disulfide	0.50	U	UJ
67-64-1	Acetone	1.0	JB	10UBJ
75-09-2	Methylene Chloride	1.8		J
156-60-5	trans-1,2-Dichloroethene	0.50	U	UJ
75-34-3	1,1-Dichloroethane	0.50	U	↓
156-59-2	cis-1,2-Dichloroethene	0.71		J
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	0.14	J	J
107-06-2	1,2-Dichloroethane	0.50	U	UJ
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	0.41	J	J
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	0.17	J	J
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	0.29	J	J
95-47-6	o-Xylene	0.10	J	J
100-42-5	Styrene	0.50	U	UJ

FORM I VOA

3/1/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5649

Matrix: (soil/water) WATER Lab Sample ID: 564901

Sample wt/vol: 25 (g/ml) ML Lab File ID: 564901A73

Level: (low/med) LOW Date Received: 02/01/05

% Moisture: not dec. _____ Date Analyzed: 02/04/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
75-25-2	Bromoform	0.50	U	UJ
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	
541-73-1	1,3-Dichlorobenzene	0.50	U	
106-46-7	1,4-Dichlorobenzene	0.50	U	
95-50-1	1,2-Dichlorobenzene	0.50	U	
120-82-1	1,2,4-Trichlorobenzene	0.50	U	
540-59-0	1,2-Dichloroethene (total)	0.70		J
1330-20-7	Xylene (total)	0.42	J	J

FORM 1 VOA

3/7/05

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5649

Matrix: (soil/water) WATER Lab Sample ID: 564901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 564901A64

Level: (low/med) LOW Date Received: 02/01/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/02/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

3/4/05

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5649

Matrix: (soil/water) WATER Lab Sample ID: 564901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 564901A66

Level: (low/med) LOW Date Received: 02/01/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/02/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/09/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

FORM 1 SV

2/7/05

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5649

Matrix: (soil/water) WATER Lab Sample ID: 564901

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/07/05

Concentrated Extract Volume: 2500(uL) Date Analyzed: 02/08/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

FORM I PEST

3/7/05

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5649

Matrix (soil/water): WATER Lab Sample ID: 564901

Level (low/med): LOW Date Received: 02/01/05

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	7.0	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.30	U		P
7439-97-6	Mercury	0.64	U		CV
7439-96-5	Manganese	1.9	B	B	P
7782-49-2	Selenium	2.7	U		P
7440-28-0	Thallium	3.0	U		P
7440-66-6	Zinc	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract: ACS 7010311

Lab Code: CompuChe Case No.: ACS 701 NRAS No.: _____ SDG No.: ACS 70103

Matrix: (soil/water) WATER Lab Sample ID: 564901

Level: (low/med) LOW Date Received: 02/01/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
150.1	pH	7.30		J	

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM IA-IN ILM05.2

3/1/05

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract: ACS 7010311

Lab Code: CompuChe Case No.: ACS 701 NRAS No.: _____ SDG No.: ACS 70103

Matrix: (soil/water) WATER Lab Sample ID: 564901

Level: (low/med) LOW Date Received: 02/01/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
160.2	TSS	0.400	J		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM IA-IN ILM05.2

February 15, 2005 Compliance Sample
Laboratory Results

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5753

Matrix: (soil/water) WATER Lab Sample ID: 575301

Sample wt/vol: 25 (g/ml) ML Lab File ID: 575301B61

Level: (low/med) LOW Date Received: 02/16/05

% Moisture: not dec. _____ Date Analyzed: 02/18/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.22	J
74-83-9	Bromomethane	0.50	U UJ
75-00-3	Chloroethane	1.5	
75-35-4	1,1-Dichloroethene	0.50	U
75-15-0	Carbon disulfide	0.50	U
67-64-1	Acetone	2.4	J J
75-09-2	Methylene Chloride	1.0	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	0.57	
78-93-3	2-butanone	2.5	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.14	J
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.12	JB UB
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	0.38	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	0.16	J
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	0.14	J
108-38-3	m,p-Xylene	0.50	J
95-47-6	o-Xylene	0.19	J
100-42-5	Styrene	0.50	U

FORM I VOA

3/14/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5753

Matrix: (soil/water) WATER Lab Sample ID: 575301

Sample wt/vol: 25 (g/ml) ML Lab File ID: 575301B61

Level: (low/med) LOW Date Received: 02/16/05

% Moisture: not dec. _____ Date Analyzed: 02/18/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-25-2	Bromoform	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
540-59-0	1,2-Dichloroethene (total)	0.61	
1330-20-7	Xylene (total)	0.70	

FORM I VOA

3/14/05

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Contract: ACS 7010311

Lab Code: CompuChe Case No.: ACS 701 NRAS No.: _____ SDG No.: ACS 70103

Matrix: (soil/water) WATER Lab Sample ID: 575301

Level: (low/med) LOW Date Received: 02/16/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
150.1	pH	7.06		J	

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

3/14/05

March 15, 2005 Compliance Sample
Laboratory Results

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5959

Matrix: (soil/water) WATER Lab Sample ID: 595901

Sample wt/vol: 25 (g/ml) ML Lab File ID: 595901B61

Level: (low/med) LOW Date Received: 03/16/05

% Moisture: not dec. _____ Date Analyzed: 03/27/05

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	0.50	U	
75-01-4	Vinyl Chloride	0.36	J	J
74-83-9	Bromomethane	0.17	JB	0.5 UB.J
75-00-3	Chloroethane	1.6		J
75-35-4	1,1-Dichloroethene	0.50	U	
75-15-0	Carbon disulfide	0.50	U	
67-64-1	Acetone	2.2	JB	10 UBJ
75-09-2	Methylene Chloride	1.2		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	
67-66-3	Chloroform	0.50	U	
71-55-6	1,1,1-Trichloroethane	0.50	U	
56-23-5	Carbon Tetrachloride	0.50	U	
71-43-2	Benzene	0.50	U	
107-06-2	1,2-Dichloroethane	0.50	U	
79-01-6	Trichloroethene	0.50	U	
78-87-5	1,2-Dichloropropane	0.50	U	
75-27-4	Bromodichloromethane	0.50	U	
10061-01-5	cis-1,3-Dichloropropene	0.50	U	
108-10-1	4-Methyl-2-pentanone	2.5	U	
108-88-3	Toluene	0.50	U	
10061-02-6	trans-1,3-Dichloropropene	0.50	U	
79-00-5	1,1,2-Trichloroethane	0.50	U	
127-18-4	Tetrachloroethene	0.50	U	
591-78-6	2-hexanone	2.5	U	
124-48-1	Dibromochloromethane	0.50	U	
108-90-7	Chlorobenzene	0.50	U	
100-41-4	Ethylbenzene	0.50	U	
108-38-3	m,p-Xylene	1.0	U	
95-47-6	o-Xylene	0.50	U	
100-42-5	Styrene	0.50	U	

FORM I VOA

4/7/05

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 5959

Matrix: (soil/water) WATER Lab Sample ID: 595901

Sample wt/vol: 25 (g/ml) ML Lab File ID: 595901B61

Level: (low/med) LOW Date Received: 03/16/05

% Moisture: not dec. _____ Date Analyzed: 03/27/05

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

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

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

4/7/05

SW-846

1-CC

CLASSICAL CHEMISTRY ANALYSES DATA SHEET

EPA SAMPLE NO.

EFFLUENT

ab Name: CompuChem Contract:

Lab Code: Case No.: NRAS No.:

DG No.: 5959

Matrix (soil/water): WATER Lab Sample ID: 595901

ate Received: 3/16/05 % Solids: 0.00

Concentration Units (mg/L or mg/kg dry weight): pH units

PARAMETER	CONCENTRATION	C	Q	M	DATE ANALYZED
pH	7.43				3/28/05

J

4/1/05

Comments:

APPENDIX B

THERMAL OXIDIZER OFF-GAS ANALYTICAL DATA

January 7, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 EFF1 JAN 7

ID#: 0501102A-01A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	27	55	70	140
Bromomethane	27	Not Detected	100	Not Detected
Chloroethane	27	Not Detected	72	Not Detected
1,1-Dichloroethene	27	320	110	1200
Methylene Chloride	27	1300	94	4400
1,1-Dichloroethane	27	140	110	580
cis-1,2-Dichloroethene	27	150	110	580
Chloroform	27	79	130	390
1,1,1-Trichloroethane	27	1000	150	5800
Carbon Tetrachloride	27	Not Detected	170	Not Detected
Benzene	27	1300	87	4100
1,2-Dichloroethane	27	44	110	180
Trichloroethene	27	920	150	5000
1,2-Dichloropropane	27	16 J /5	120	73 J
cis-1,3-Dichloropropene	27	Not Detected	120	Not Detected
Toluene	27	4900	100	18000
trans-1,3-Dichloropropene	27	Not Detected	120	Not Detected
1,1,2-Trichloroethane	27	Not Detected	150	Not Detected
Tetrachloroethene	27	1300	180	8900
Chlorobenzene	27	Not Detected	120	Not Detected
Ethyl Benzene	27	410	120	1800
m,p-Xylene	27	1600	120	6800
o-Xylene	27	510	120	2200
Styrene	27	160	120	660
1,1,2,2-Tetrachloroethane	27	Not Detected	190	Not Detected
Bromodichloromethane	27	Not Detected	180	Not Detected
Dibromochloromethane	27	Not Detected	230	Not Detected
Chloromethane	110	Not Detected	220	Not Detected
Acetone	110	1100	260	2600
Carbon Disulfide	110	Not Detected	340	Not Detected
trans-1,2-Dichloroethene	110	22 J /5	430	87 J
2-Butanone (Methyl Ethyl Ketone)	110	580	320	1700
4-Methyl-2-pentanone	110	400	440	1600
2-Hexanone	110	17 J /5	440	70 J
Bromoform	110	Not Detected	1100	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 EFF1 JAN 7

ID#: 0501102A-01A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	116	70-130

CPS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 EFF1 JAN 7 Duplicate

ID#: 0501102A-01AA

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	27	53	70	140
Bromomethane	27	Not Detected	100	Not Detected
Chloroethane	27	Not Detected	72	Not Detected
1,1-Dichloroethene	27	320	110	1200
Methylene Chloride	27	1300	94	4400
1,1-Dichloroethane	27	140	110	580
cis-1,2-Dichloroethene	27	150	110	580
Chloroform	27	78	130	380
1,1,1-Trichloroethane	27	1000	150	5700
Carbon Tetrachloride	27	Not Detected	170	Not Detected
Benzene	27	1200	87	4000
1,2-Dichloroethane	27	43	110	170
Trichloroethene	27	900	150	4800
1,2-Dichloropropane	27	15 J 15	120	68 J
cis-1,3-Dichloropropene	27	Not Detected	120	Not Detected
Toluene	27	4700	100	18000
trans-1,3-Dichloropropene	27	Not Detected	120	Not Detected
1,1,2-Trichloroethane	27	Not Detected	150	Not Detected
Tetrachloroethene	27	1300	180	8800
Chlorobenzene	27	Not Detected	120	Not Detected
Ethyl Benzene	27	390	120	1700
m,p-Xylene	27	1500	120	6600
o-Xylene	27	500	120	2200
Styrene	27	140	120	620
1,1,2,2-Tetrachloroethane	27	Not Detected	190	Not Detected
Bromodichloromethane	27	Not Detected	180	Not Detected
Dibromochloromethane	27	Not Detected	230	Not Detected
Chloromethane	110	Not Detected	220	Not Detected
Acetone	110	1100	260	2600
Carbon Disulfide	110	Not Detected	340	Not Detected
trans-1,2-Dichloroethene	110	21 J 15	430	84 J
2-Butanone (Methyl Ethyl Ketone)	110	580	320	1700
4-Methyl-2-pentanone	110	380	440	1600
2-Hexanone	110	18 J 15	440	72 J
Bromoform	110	Not Detected	1100	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	97	70-130

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 EFF1 JAN 7 Duplicate

ID#: 0501102A-01AA

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

[redacted]

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	115	70-130

CES
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 EFF1 JAN 7

ID#: 0501102A-02A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.4	46	3.6	120
Bromomethane	1.4	Not Detected	5.4	Not Detected
Chloroethane	1.4	22	3.7	58
1,1-Dichloroethene	1.4	87	5.5	340
Methylene Chloride	1.4	13	4.8	47
1,1-Dichloroethane	1.4	14	5.6	58
cis-1,2-Dichloroethene	1.4	190	5.5	760
Chloroform	1.4	2.2	6.8	11
1,1,1-Trichloroethane	1.4	24	7.6	130
Carbon Tetrachloride	1.4	2.4	8.7	15
Benzene	1.4	180	4.4	560
1,2-Dichloroethane	1.4	Not Detected	5.6	Not Detected
Trichloroethene	1.4	63	7.5	340
1,2-Dichloropropane	1.4	1.2 J /5	6.4	5.3 J
cis-1,3-Dichloropropene	1.4	0.23 J /5	6.3	1.1 J
Toluene	1.4	120	5.2	460
trans-1,3-Dichloropropene	1.4	Not Detected	6.3	Not Detected
1,1,2-Trichloroethane	1.4	Not Detected	7.6	Not Detected
Tetrachloroethene	1.4	300	9.4	2100
Chlorobenzene	1.4	5.4	6.4	25
Ethyl Benzene	1.4	29	6.0	130
m,p-Xylene	1.4	28	6.0	120
o-Xylene	1.4	82	6.0	360
Styrene	1.4	3.0	5.9	13
1,1,2,2-Tetrachloroethane	1.4	Not Detected	9.5	Not Detected
Bromodichloromethane	1.4	Not Detected	9.3	Not Detected
Dibromochloromethane	1.4	Not Detected	12	Not Detected
Chloromethane	5.6	4.8 J /5	11	9.8 J
Acetone	5.6	7.2	13	17
Carbon Disulfide	5.6	2.1 J /5	17	6.7 J
trans-1,2-Dichloroethene	5.6	17	22	67
2-Butanone (Methyl Ethyl Ketone)	5.6	5.9	16	17
4-Methyl-2-pentanone	5.6	3.2 J /5	23	13 J
2-Hexanone	5.6	Not Detected	23	Not Detected
Bromoform	5.6	Not Detected	57	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 EFF1 JAN 7

ID#: 0501102A-02A

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

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

CBS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 EFF1 JAN 7 Duplicate

ID#: 0501102A-02B

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.70	40	1.8	100
Bromomethane	0.70	Not Detected	2.7	Not Detected
Chloroethane	0.70	17	1.8	44
1,1-Dichloroethene	0.70	88	2.8	350
Methylene Chloride	0.70	13	2.4	46
1,1-Dichloroethane	0.70	14	2.8	57
cis-1,2-Dichloroethene	0.70	190	2.8	750
Chloroform	0.70	2.1	3.4	10
1,1,1-Trichloroethane	0.70	23	3.8	120
Carbon Tetrachloride	0.70	2.3	4.4	14
Benzene	0.70	180	2.2	560
1,2-Dichloroethane	0.70	Not Detected	2.8	Not Detected
Trichloroethene	0.70	62	3.7	330
1,2-Dichloropropane	0.70	1.0	3.2	4.8
cis-1,3-Dichloropropene	0.70	0.24 J /5	3.2	1.1 J
Toluene	0.70	120	2.6	450
trans-1,3-Dichloropropene	0.70	Not Detected	3.2	Not Detected
1,1,2-Trichloroethane	0.70	2.6	3.8	14
Tetrachloroethene	0.70	290 E /E	4.7	2000 E
Chlorobenzene	0.70	5.1	3.2	24
Ethyl Benzene	0.70	29	3.0	130
m,p-Xylene	0.70	27	3.0	120
o-Xylene	0.70	80	3.0	350
Styrene	0.70	2.8	3.0	12
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	3.7	5.7	7.7
Acetone	2.8	7.6	6.6	18
Carbon Disulfide	2.8	2.1 J /5	8.6	6.6 J
trans-1,2-Dichloroethene	2.8	16	11	66
2-Butanone (Methyl Ethyl Ketone)	2.8	5.7	8.2	17
4-Methyl-2-pentanone	2.8	3.4	11	14
2-Hexanone	2.8	Not Detected	11	Not Detected
Bromoform	2.8	0.38 J /5	29	3.9 J

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 EFF1 JAN 7 Duplicate

ID#: 0501102A-02B

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

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
4-Bromofluorobenzene	110	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 INF1 JAN 7

ID#: 0501102A-03A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	560	140 J /5	1400	370 J
Bromomethane	560	Not Detected	2200	Not Detected
Chloroethane	560	Not Detected	1500	Not Detected
1,1-Dichloroethene	560	270 J /5	2200	1100 J
Methylene Chloride	560	32000	1900	110000
1,1-Dichloroethane	560	4300	2200	18000
cis-1,2-Dichloroethene	560	3200	2200	13000
Chloroform	560	2100	2700	10000
1,1,1-Trichloroethane	560	32000	3000	170000
Carbon Tetrachloride	560	Not Detected	3500	Not Detected
Benzene	560	21000	1800	68000
1,2-Dichloroethane	560	1100	2200	4500
Trichloroethene	560	21000	3000	110000
1,2-Dichloropropane	560	460 J /5	2600	2100 J
cis-1,3-Dichloropropene	560	Not Detected	2500	Not Detected
Toluene	560	140000	2100	540000
trans-1,3-Dichloropropene	560	Not Detected	2500	Not Detected
1,1,2-Trichloroethane	560	Not Detected	3000	Not Detected
Tetrachloroethene	560	27000	3800	190000
Chlorobenzene	560	Not Detected	2600	Not Detected
Ethyl Benzene	560	14000	2400	61000
m,p-Xylene	560	61000	2400	270000
o-Xylene	560	19000	2400	85000
Styrene	560	1000	2400	4500
1,1,2,2-Tetrachloroethane	560	Not Detected	3800	Not Detected
Bromodichloromethane	560	Not Detected	3700	Not Detected
Dibromochloromethane	560	Not Detected	4700	Not Detected
Chloromethane	2200	Not Detected	4600	Not Detected
Acetone	2200	18000	5300	43000
Carbon Disulfide	2200	Not Detected	6900	Not Detected
trans-1,2-Dichloroethene	2200	Not Detected	8800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2200	15000	6500	43000
4-Methyl-2-pentanone	2200	18000	9100	74000
2-Hexanone	2200	570 J /5	9100	2300 J
Bromoform	2200	Not Detected	23000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	98	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 INF1 JAN 7

ID#: 0501102A-03A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	117	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 INF2 JAN 7

ID#: 0501102A-04A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	540	150 J	1400	390 J
Bromomethane	540	Not Detected	2100	Not Detected
Chloroethane	540	Not Detected	1400	Not Detected
1,1-Dichloroethene	540	240 J	2100	950 J
Methylene Chloride	540	31000	1800	110000
1,1-Dichloroethane	540	4100	2200	17000
cis-1,2-Dichloroethene	540	3200	2100	13000
Chloroform	540	2000	2600	9800
1,1,1-Trichloroethane	540	31000	2900	170000
Carbon Tetrachloride	540	Not Detected	3400	Not Detected
Benzene	540	21000	1700	68000
1,2-Dichloroethane	540	1100	2200	4600
Trichloroethene	540	21000	2900	110000
1,2-Dichloropropane	540	420 J	2500	2000 J
cis-1,3-Dichloropropene	540	Not Detected	2400	Not Detected
Toluene	540	140000	2000	530000
trans-1,3-Dichloropropene	540	Not Detected	2400	Not Detected
1,1,2-Trichloroethane	540	Not Detected	2900	Not Detected
Tetrachloroethene	540	28000	3600	190000
Chlorobenzene	540	Not Detected	2500	Not Detected
Ethyl Benzene	540	15000	2300	65000
m,p-Xylene	540	66000	2300	290000
o-Xylene	540	22000	2300	96000
Styrene	540	1300	2300	5400
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	19000	5100	45000
Carbon Disulfide	2100	Not Detected	6700	Not Detected
trans-1,2-Dichloroethene	2100	Not Detected	8500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2100	15000	6300	45000
4-Methyl-2-pentanone	2100	18000	8800	73000
2-Hexanone	2100	590 J	8800	2400 J
Bromoform	2100	Not Detected	22000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 INF2 JAN 7

ID#: 0501102A-04A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	113	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 OFS IN1 JAN 7

ID#: 0501102A-05A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	140 J /5	700	340 J
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	Not Detected	720	Not Detected
1,1-Dichloroethene	270	130 J /5	1100	530 J
Methylene Chloride	270	12000	940	44000
1,1-Dichloroethane	270	2200	1100	8800
cis-1,2-Dichloroethene	270	2500	1100	10000
Chloroform	270	1600	1300	7700
1,1,1-Trichloroethane	270	14000	1500	76000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	7200	870	23000
1,2-Dichloroethane	270	690	1100	2800
Trichloroethene	270	11000	1500	61000
1,2-Dichloropropane	270	370	1200	1700
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	16000	1800	110000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	7400	1200	32000
m,p-Xylene	270	34000	1200	150000
o-Xylene	270	12000	1200	50000
Styrene	270	590	1200	2500
1,1,2,2-Tetrachloroethane	270	Not Detected	1900	Not Detected
Bromodichloromethane	270	Not Detected	1800	Not Detected
Dibromochloromethane	270	Not Detected	2300	Not Detected
Chloromethane	1100	Not Detected	2200	Not Detected
Acetone	1100	8000	2600	19000
Carbon Disulfide	1100	Not Detected	3400	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4300	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	7100	3200	21000
4-Methyl-2-pentanone	1100	3600	4400	15000
2-Hexanone	1100	330 J /5	4400	1400 J
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO2 OFS IN1 JAN 7

ID#: 0501102A-05A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	114	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 ONS IN1 JAN 7

ID#: 0501102A-06A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	540	Not Detected	1400	Not Detected
Bromomethane	540	Not Detected	2100	Not Detected
Chloroethane	540	Not Detected	1400	Not Detected
1,1-Dichloroethene	540	220 J	2200	870 J
Methylene Chloride	540	25000	1900	86000
1,1-Dichloroethane	540	3300	2200	13000
cis-1,2-Dichloroethene	540	2000	2200	8000
Chloroform	540	1600	2700	8000
1,1,1-Trichloroethane	540	24000	3000	130000
Carbon Tetrachloride	540	Not Detected	3400	Not Detected
Benzene	540	15000	1700	49000
1,2-Dichloroethane	540	810	2200	3300
Trichloroethene	540	16000	2900	85000
1,2-Dichloropropane	540	340 J	2500	1600 J
cis-1,3-Dichloropropene	540	Not Detected	2500	Not Detected
Toluene	540	110000	2000	400000
trans-1,3-Dichloropropene	540	Not Detected	2500	Not Detected
1,1,2-Trichloroethane	540	Not Detected	3000	Not Detected
Tetrachloroethene	540	22000	3700	150000
Chlorobenzene	540	Not Detected	2500	Not Detected
Ethyl Benzene	540	12000	2400	51000
m,p-Xylene	540	52000	2400	230000
o-Xylene	540	17000	2400	74000
Styrene	540	930	2300	4000
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	2200	Not Detected	4500	Not Detected
Acetone	2200	16000	5200	38000
Carbon Disulfide	2200	Not Detected	6800	Not Detected
trans-1,2-Dichloroethene	2200	Not Detected	8600	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2200	12000	6400	37000
4-Methyl-2-pentanone	2200	14000	8900	58000
2-Hexanone	2200	Not Detected	8900	Not Detected
Bromoform	2200	Not Detected	22000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 ONS IN1 JAN 7

ID#: 0501102A-06A

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

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

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 ONS IN2 JAN 7

ID#: 0501102A-07A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	560	150 J /5	1400	390 J
Bromomethane	560	Not Detected	2200	Not Detected
Chloroethane	560	Not Detected	1500	Not Detected
1,1-Dichloroethene	560	230 J /5	2200	900 J
Methylene Chloride	560	28000	1900	99000
1,1-Dichloroethane	560	3700	2200	15000
cis-1,2-Dichloroethene	560	2400	2200	9400
Chloroform	560	1900	2700	9300
1,1,1-Trichloroethane	560	28000	3000	160000
Carbon Tetrachloride	560	Not Detected	3500	Not Detected
Benzene	560	19000	1800	60000
1,2-Dichloroethane	560	1100	2200	4300
Trichloroethene	560	19000	3000	100000
1,2-Dichloropropane	560	380 J /5	2600	1700 J
cis-1,3-Dichloropropene	560	Not Detected	2500	Not Detected
Toluene	560	130000	2100	490000
trans-1,3-Dichloropropene	560	Not Detected	2500	Not Detected
1,1,2-Trichloroethane	560	Not Detected	3000	Not Detected
Tetrachloroethene	560	26000	3800	180000
Chlorobenzene	560	Not Detected	2600	Not Detected
Ethyl Benzene	560	14000	2400	61000
m,p-Xylene	560	61000	2400	270000
o-Xylene	560	20000	2400	87000
Styrene	560	1100	2400	4700
1,1,2,2-Tetrachloroethane	560	Not Detected	3800	Not Detected
Bromodichloromethane	560	Not Detected	3700	Not Detected
Dibromochloromethane	560	Not Detected	4700	Not Detected
Chloromethane	2200	Not Detected	4600	Not Detected
Acetone	2200	19000	5300	45000
Carbon Disulfide	2200	Not Detected	6900	Not Detected
trans-1,2-Dichloroethene	2200	Not Detected	8800	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2200	16000	6500	46000
4-Methyl-2-pentanone	2200	17000	9100	72000
2-Hexanone	2200	Not Detected	9100	Not Detected
Bromoform	2200	Not Detected	23000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	97	70-130

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AIR TOXICS LTD.

SAMPLE NAME: ACS TO1 ONS IN2 JAN 7

ID#: 0501102A-07A

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

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

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AIR TOXICS LTD.

SAMPLE NAME: ACS T02 EFF1 JAN7

ID#: 0501102B-01A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5000	Not Detected
bis(2-Chloroethyl) Ether	1000	Not Detected
2-Chlorophenol	5000	Not Detected
1,3-Dichlorobenzene	1000	Not Detected
1,4-Dichlorobenzene	1000	Not Detected
1,2-Dichlorobenzene	1000	Not Detected
2-Methylphenol (o-Cresol)	5000	Not Detected
N-Nitroso-di-n-propylamine	1000	Not Detected
4-Methylphenol/3-Methylphenol	5000	Not Detected
Hexachloroethane	1000	Not Detected
Nitrobenzene	1000	Not Detected
Isophorone	1000	Not Detected
2-Nitrophenol	5000	Not Detected
2,4-Dimethylphenol	5000	Not Detected
bis(2-Chloroethoxy) Methane	1000	Not Detected
2,4-Dichlorophenol	5000	Not Detected
1,2,4-Trichlorobenzene	1000	Not Detected
Naphthalene	1000	Not Detected
4-Chloroaniline	10000	Not Detected
Hexachlorobutadiene	1000	Not Detected
4-Chloro-3-methylphenol	5000	Not Detected
2-Methylnaphthalene	1000	Not Detected
Hexachlorocyclopentadiene	20000	Not Detected
2,4,6-Trichlorophenol	5000	Not Detected
2,4,5-Trichlorophenol	5000	Not Detected
2-Chloronaphthalene	1000	Not Detected
2-Nitroaniline	10000	Not Detected
Dimethylphthalate	5000	Not Detected
Acenaphthylene	1000	Not Detected
2,6-Dinitrotoluene	5000	Not Detected
3-Nitroaniline	10000	Not Detected
Acenaphthene	1000	Not Detected
2,4-Dinitrophenol	20000	Not Detected
4-Nitrophenol	20000	Not Detected
2,4-Dinitrotoluene	5000	Not Detected
Dibenzofuran	1000	Not Detected
Diethylphthalate	5000	Not Detected
Fluorene	1000	Not Detected
4-Chlorophenyl-phenyl Ether	1000	Not Detected
4-Nitroaniline	10000	Not Detected
4,6-Dinitro-2-methylphenol	10000	Not Detected

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AIR TOXICS LTD.

SAMPLE NAME: ACS T02 EFF1 JAN7

ID#: 0501102B-01A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10000	Not Detected
4-Bromophenyl-phenyl Ether	1000	Not Detected
Hexachlorobenzene	1000	Not Detected
Pentachlorophenol	20000	Not Detected
Phenanthrene	1000	Not Detected
Anthracene	1000	Not Detected
di-n-Butylphthalate	5000	Not Detected
Fluoranthene	1000	Not Detected
Pyrene	1000	Not Detected
Butylbenzylphthalate	5000	Not Detected
3,3'-Dichlorobenzidine	20000	Not Detected
Chrysene	1000	Not Detected
Benzo(a)anthracene	1000	Not Detected
bis(2-Ethylhexyl)phthalate	5000	96000
Di-n-Octylphthalate	5000	Not Detected
Benzo(b)fluoranthene	1000	Not Detected
Benzo(k)fluoranthene	1000	Not Detected
Benzo(a)pyrene	1000	Not Detected
Indeno(1,2,3-c,d)pyrene	1000	Not Detected
Dibenz(a,h)anthracene	1000	Not Detected
Benzo(g,h,i)perylene	1000	Not Detected

*Surrogate diluted out.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	0 *	50-150
Phenol-d5	0 *	50-150
Nitrobenzene-d5	0 *	50-150
2,4,6-Tribromophenol	0 *	50-150
Fluorene-d10	0 *	60-120
Pyrene-d10	0 *	60-120

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AIR TOXICS LTD.

SAMPLE NAME: ACS T02 EFF1 JAN7 Undiluted Run

ID#: 0501102B-01B

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected /R
bis(2-Chloroethyl) Ether	1.0	Not Detected /R
2-Chlorophenol	5.0	Not Detected /R
1,3-Dichlorobenzene	1.0	Not Detected /R
1,4-Dichlorobenzene	1.0	Not Detected /R
1,2-Dichlorobenzene	1.0	1.5 /S
2-Methylphenol (o-Cresol)	5.0	Not Detected /R
N-Nitroso-di-n-propylamine	1.0	Not Detected /R
4-Methylphenol/3-Methylphenol	5.0	Not Detected /R
Hexachloroethane	1.0	Not Detected /R
Nitrobenzene	1.0	Not Detected /R
Isophorone	1.0	0.31 J /S
2-Nitrophenol	5.0	Not Detected /R
2,4-Dimethylphenol	5.0	Not Detected /R
bis(2-Chloroethoxy) Methane	1.0	Not Detected /R
2,4-Dichlorophenol	5.0	Not Detected /R
1,2,4-Trichlorobenzene	1.0	Not Detected /R
Naphthalene	1.0	3.3 /S
4-Chloroaniline	10	Not Detected /R
Hexachlorobutadiene	1.0	Not Detected /R
4-Chloro-3-methylphenol	5.0	Not Detected /R
2-Methylnaphthalene	1.0	2.1 /S
Hexachlorocyclopentadiene	20	Not Detected /R
2,4,6-Trichlorophenol	5.0	Not Detected /R
2,4,5-Trichlorophenol	5.0	Not Detected /R
2-Chloronaphthalene	1.0	Not Detected /R
2-Nitroaniline	10	Not Detected /R
Dimethylphthalate	5.0	Not Detected /R
Acenaphthylene	1.0	Not Detected /R
2,6-Dinitrotoluene	5.0	Not Detected /R
3-Nitroaniline	10	Not Detected /R
Acenaphthene	1.0	0.26 J /S
2,4-Dinitrophenol	20	Not Detected /R
4-Nitrophenol	20	Not Detected /R
2,4-Dinitrotoluene	5.0	Not Detected /R
Dibenzofuran	1.0	Not Detected /R
Diethylphthalate	5.0	0.86 J /S
Fluorene	1.0	0.39 J /S
4-Chlorophenyl-phenyl Ether	1.0	Not Detected /R
4-Nitroaniline	10	Not Detected /R
4,6-Dinitro-2-methylphenol	10	Not Detected /R

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AIR TOXICS LTD.

SAMPLE NAME: ACS T02 EFF1 JAN7 Undiluted Run

ID#: 0501102B-01B

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	1.5
Anthracene	1.0	0.37 J
di-n-Butylphthalate	5.0	1.1 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	12000 E
Di-n-Octylphthalate	5.0	0.25 J
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.
E = Exceeds instrument calibration range.
Q = Exceeds Quality Control limits.
Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	51	50-150
Phenol-d5	53	50-150
Nitrobenzene-d5	54	50-150
2,4,6-Tribromophenol	51	50-150
Fluorene-d10	50 Q	60-120
Pyrene-d10	50 Q	60-120

CAS 1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 EFF1 JAN7

ID#: 0501102B-02A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	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	0.89 J 15
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CAS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 EFF1 JAN7

ID#: 0501102B-02A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	0.54 J /5
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.74 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.54 J /5
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	3.8 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	70	50-150
Phenol-d5	74	50-150
Nitrobenzene-d5	70	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	74	60-120
Pyrene-d10	81	60-120

ACS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 EFF1 JAN7 Duplicate

ID#: 0501102B-02AA

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

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

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 EFF1 JAN7 Duplicate

ID#: 0501102B-02AA

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	0.20 J /5
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.69 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.53 J /5
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 /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	70	50-150
Phenol-d5	74	50-150
Nitrobenzene-d5	73	50-150
2,4,6-Tribromophenol	88	50-150
Fluorene-d10	78	60-120
Pyrene-d10	85	60-120

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1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T02 INF1 JAN7

ID#: 0501102B-03A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
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	3.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.25 J /5
Naphthalene	1.0	7.8
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.56 J /5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.85 J /5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.28 J /5
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T02 INF1 JAN7

ID#: 0501102B-03A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.78 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.44 J /B
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	3.4 J /B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

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

Surrogates	%Recovery	Method Limits
2-Fluorophenol	23 Q	50-150
Phenol-d5	76	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	87	50-150
Fluorene-d10	78	60-120
Pyrene-d10	87	60-120

CAS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T02 INF2 JAN7

ID#: 0501102B-04A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	4.3
1,2-Dichlorobenzene	1.0	37
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	11
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	0.93 J 15
Naphthalene	1.0	25
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.7
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	3.4
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.28 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T02 INF2 JAN7

ID#: 0501102B-04A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.69 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.49 J /5
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	2.9 J /B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

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

Surrogates	%Recovery	Method Limits
2-Fluorophenol	19 Q	50-150
Phenol-d5	78	50-150
Nitrobenzene-d5	77	50-150
2,4,6-Tribromophenol	86	50-150
Fluorene-d10	78	60-120
Pyrene-d10	86	60-120

CAS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T02 OFS IN1 JAN7

ID#: 0501102B-05A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	1.6
1,2-Dichlorobenzene	1.0	12
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	5.2
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	0.48 J /5
Naphthalene	1.0	11
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.35 J /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	5.0	0.30 J /5
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CMS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T02 OFS IN1 JAN7

ID#: 0501102B-05A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.77 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.53 J /J
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 /B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

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

Surrogates	%Recovery	Method Limits
2-Fluorophenol	26 Q	50-150
Phenol-d5	74	50-150
Nitrobenzene-d5	71	50-150
2,4,6-Tribromophenol	82	50-150
Fluorene-d10	76	60-120
Pyrene-d10	82	60-120

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 ONS IN1 JAN7

ID#: 0501102B-06A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	6.0
1,2-Dichlorobenzene	1.0	49
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	1.6 J
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	20
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	38
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.4
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	9.6
Hexachlorocyclopentadiene	20	0.42 J
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.25 J
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 ONS IN1 JAN7

ID#: 0501102B-06A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.63 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.57 J /J
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	2.6 J /B
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

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

Surrogates	%Recovery	Method Limits
2-Fluorophenol	21 Q	50-150
Phenol-d5	86	50-150
Nitrobenzene-d5	88	50-150
2,4,6-Tribromophenol	86	50-150
Fluorene-d10	81	60-120
Pyrene-d10	91	60-120

CRS
1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 ONS IN2 JAN7

ID#: 0501102B-07A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	3.6
1,2-Dichlorobenzene	1.0	31
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	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	0.97 J 15
Naphthalene	1.0	23
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	5.6
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	5.0	0.56 J 15
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CDS 1/31/05

AIR TOXICS LTD.

SAMPLE NAME: ACS T01 ONS IN2 JAN7

ID#: 0501102B-07A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	1.0 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	0.66 J /J
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	5.1
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

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

Surrogates	%Recovery	Method Limits
2-Fluorophenol	19 Q	50-150
Phenol-d5	68	50-150
Nitrobenzene-d5	68	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	76	60-120
Pyrene-d10	86	60-120

CRS
1/31/05

February 10, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFSITE ISVE

ID#: 0502268A-01A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	660	Not Detected	1700	Not Detected
Bromomethane	660	Not Detected	2600	Not Detected
Chloroethane	660	Not Detected	1700	Not Detected
1,1-Dichloroethene	660	240 J /5	2600	970 J
Methylene Chloride	660	26000	2300	90000
1,1-Dichloroethane	660	3500	2700	14000
cis-1,2-Dichloroethene	660	2200	2600	8600
Chloroform	660	1900	3200	9300
1,1,1-Trichloroethane	660	28000	3600	150000
Carbon Tetrachloride	660	Not Detected	4200	Not Detected
Benzene	660	18000	2100	57000
1,2-Dichloroethane	660	1200	2700	4800
Trichloroethene	660	21000	3500	110000
1,2-Dichloropropane	660	440 J /5	3000	2000 J
cis-1,3-Dichloropropene	660	Not Detected	3000	Not Detected
Toluene	660	130000	2500	490000
trans-1,3-Dichloropropene	660	Not Detected	3000	Not Detected
1,1,2-Trichloroethane	660	Not Detected	3600	Not Detected
Tetrachloroethene	660	31000	4500	210000
Chlorobenzene	660	Not Detected	3000	Not Detected
Ethyl Benzene	660	16000	2900	68000
m,p-Xylene	660	68000	2900	290000
o-Xylene	660	22000	2900	95000
Styrene	660	Not Detected	2800	Not Detected
1,1,2,2-Tetrachloroethane	660	Not Detected	4500	Not Detected
Bromodichloromethane	660	Not Detected	4400	Not Detected
Dibromochloromethane	660	Not Detected	5600	Not Detected
Chloromethane	2600	Not Detected	5400	Not Detected
Acetone	2600	16000	6300	38000
Carbon Disulfide	2600	Not Detected	8200	Not Detected
trans-1,2-Dichloroethene	2600	Not Detected	10000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2600	16000	7800	47000
4-Methyl-2-pentanone	2600	10000	11000	43000
2-Hexanone	2600	Not Detected	11000	Not Detected
Bromoform	2600	Not Detected	27000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFSITE ISVE

ID#: 0502268A-01A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	113	70-130

CPS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBPA ISVE

ID#: 0502268A-02A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	130	590	330	1500
Bromomethane	130	Not Detected	500	Not Detected
Chloroethane	130	640	340	1700
1,1-Dichloroethene	130	340	520	1300
Methylene Chloride	130	12000	450	40000
1,1-Dichloroethane	130	2900	530	12000
cis-1,2-Dichloroethene	130	10000	520	41000
Chloroform	130	7900	630	38000
1,1,1-Trichloroethane	130	37000	710	200000
Carbon Tetrachloride	130	Not Detected	820	Not Detected
Benzene	130	8000	420	26000
1,2-Dichloroethane	130	420	530	1700
Trichloroethene	130	15000	700	80000
1,2-Dichloropropane	130	300	600	1400
cis-1,3-Dichloropropene	130	Not Detected	590	Not Detected
Toluene	130	49000	490	180000
trans-1,3-Dichloropropene	130	Not Detected	590	Not Detected
1,1,2-Trichloroethane	130	Not Detected	710	Not Detected
Tetrachloroethene	130	23000	880	150000
Chlorobenzene	130	Not Detected	600	Not Detected
Ethyl Benzene	130	9600	560	42000
m,p-Xylene	130	42000	560	180000
o-Xylene	130	16000	560	67000
Styrene	130	Not Detected	550	Not Detected
1,1,2,2-Tetrachloroethane	130	Not Detected	890	Not Detected
Bromodichloromethane	130	Not Detected	870	Not Detected
Dibromochloromethane	130	Not Detected	1100	Not Detected
Chloromethane	520	Not Detected	1100	Not Detected
Acetone	520	750	1200	1800
Carbon Disulfide	520	Not Detected	1600	Not Detected
trans-1,2-Dichloroethene	520	Not Detected	2100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	520	Not Detected	1500	Not Detected
4-Methyl-2-pentanone	520	1200	2100	5000
2-Hexanone	520	Not Detected	2100	Not Detected
Bromoform	520	Not Detected	5400	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	115	70-130

CBS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBPA ISVE

ID#: 0502268A-02A

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

[redacted]

CAS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 INF

ID#: 0502268A-03A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	260	480	670	1200
Bromomethane	260	Not Detected	1000	Not Detected
Chloroethane	260	590	700	1600
1,1-Dichloroethene	260	340	1000	1300
Methylene Chloride	260	10000	920	36000
1,1-Dichloroethane	260	2700	1100	11000
cis-1,2-Dichloroethene	260	9400	1000	37000
Chloroform	260	7000	1300	34000
1,1,1-Trichloroethane	260	33000	1400	180000
Carbon Tetrachloride	260	Not Detected	1700	Not Detected
Benzene	260	7300	840	23000
1,2-Dichloroethane	260	350	1100	1400
Trichloroethene	260	13000	1400	72000
1,2-Dichloropropane	260	310	1200	1400
cis-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
Toluene	260	47000	990	180000
trans-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	260	Not Detected	1400	Not Detected
Tetrachloroethene	260	22000	1800	150000
Chlorobenzene	260	Not Detected	1200	Not Detected
Ethyl Benzene	260	9100	1100	40000
m,p-Xylene	260	38000	1100	160000
o-Xylene	260	14000	1100	59000
Styrene	260	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected	1800	Not Detected
Bromodichloromethane	260	Not Detected	1800	Not Detected
Dibromochloromethane	260	Not Detected	2200	Not Detected
Chloromethane	1000	Not Detected	2200	Not Detected
Acetone	1000	620 J 15	2500	1500 J
Carbon Disulfide	1000	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	400 J 15	3100	1200 J
4-Methyl-2-pentanone	1000	910 J 15	4300	3700 J
2-Hexanone	1000	Not Detected	4300	Not Detected
Bromoform	1000	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CDS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 INF

ID#: 0502268A-03A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	114	70-130

CTS
3/4/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 INF DUP

ID#: 0502268A-04A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	260	490	660	1300
Bromomethane	260	Not Detected	1000	Not Detected
Chloroethane	260	580	690	1500
1,1-Dichloroethene	260	340	1000	1300
Methylene Chloride	260	10000	900	35000
1,1-Dichloroethane	260	2500	1000	10000
cis-1,2-Dichloroethene	260	8800	1000	35000
Chloroform	260	6900	1300	34000
1,1,1-Trichloroethane	260	33000	1400	180000
Carbon Tetrachloride	260	Not Detected	1600	Not Detected
Benzene	260	7000	830	22000
1,2-Dichloroethane	260	340	1000	1400
Trichloroethene	260	13000	1400	72000
1,2-Dichloropropane	260	290	1200	1400
cis-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
Toluene	260	47000	980	180000
trans-1,3-Dichloropropene	260	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	260	Not Detected	1400	Not Detected
Tetrachloroethene	260	21000	1800	140000
Chlorobenzene	260	Not Detected	1200	Not Detected
Ethyl Benzene	260	9300	1100	40000
m,p-Xylene	260	39000	1100	170000
o-Xylene	260	14000	1100	62000
Styrene	260	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected	1800	Not Detected
Bromodichloromethane	260	Not Detected	1700	Not Detected
Dibromochloromethane	260	Not Detected	2200	Not Detected
Chloromethane	1000	Not Detected	2100	Not Detected
Acetone	1000	560 J /5	2500	1300 J
Carbon Disulfide	1000	Not Detected	3200	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected	4100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	Not Detected	3100	Not Detected
4-Methyl-2-pentanone	1000	950 J /5	4300	3900 J
2-Hexanone	1000	Not Detected	4300	Not Detected
Bromoform	1000	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 INF DUP

ID#: 0502268A-04A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	113	70-130

CBS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX I EFF

ID#: 0502268A-05A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	34	1.7	88
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	12	1.8	33
1,1-Dichloroethene	0.67	120	2.6	500
Methylene Chloride	0.67	45	2.3	160
1,1-Dichloroethane	0.67	22	2.7	90
cis-1,2-Dichloroethene	0.67	220	2.6	860
Chloroform	0.67	26	3.3	130
1,1,1-Trichloroethane	0.67	140	3.6	780
Carbon Tetrachloride	0.67	1.9	4.2	12
Benzene	0.67	100	2.1	320
1,2-Dichloroethane	0.67	2.0	2.7	8.0
Trichloroethene	0.67	120	3.6	620
1,2-Dichloropropane	0.67	1.9	3.1	8.7
cis-1,3-Dichloropropene	0.67	0.29 J 15	3.0	1.3 J
Toluene	0.67	250	2.5	940
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	270 E 1E	4.5	1800 E
Chlorobenzene	0.67	3.5	3.1	16
Ethyl Benzene	0.67	50	2.9	220
m,p-Xylene	0.67	240	2.9	1000
o-Xylene	0.67	110	2.9	460
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	2.8	5.5	5.8
Acetone	2.7	100	6.4	240
Carbon Disulfide	2.7	6.5	8.3	20
trans-1,2-Dichloroethene	2.7	8.8	11	35
2-Butanone (Methyl Ethyl Ketone)	2.7	8.1	7.9	24
4-Methyl-2-pentanone	2.7	7.5	11	30
2-Hexanone	2.7	Not Detected	11	Not Detected
Bromoform	2.7	Not Detected	28	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130

CAS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX I EFF

ID#: 0502268A-05A

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

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
4-Bromofluorobenzene	112	70-130

CVS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX I EFF Duplicate

ID#: 0502268A-05AA

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.67	35	1.7	89
Bromomethane	0.67	Not Detected	2.6	Not Detected
Chloroethane	0.67	11	1.8	30
1,1-Dichloroethene	0.67	120	2.6	470
Methylene Chloride	0.67	43	2.3	150
1,1-Dichloroethane	0.67	21	2.7	87
cis-1,2-Dichloroethene	0.67	200	2.6	810
Chloroform	0.67	25	3.3	120
1,1,1-Trichloroethane	0.67	130	3.6	720
Carbon Tetrachloride	0.67	1.8	4.2	11
Benzene	0.67	94	2.1	300
1,2-Dichloroethane	0.67	1.6	2.7	6.6
Trichloroethene	0.67	110	3.6	590
1,2-Dichloropropane	0.67	1.8	3.1	8.3
cis-1,3-Dichloropropene	0.67	0.28 J /5	3.0	1.3 J
Toluene	0.67	230	2.5	880
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	260	4.5	1800
Chlorobenzene	0.67	3.4	3.1	15
Ethyl Benzene	0.67	47	2.9	200
m,p-Xylene	0.67	230	2.9	1000
o-Xylene	0.67	100	2.9	440
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	2.6 J /5	5.5	5.3 J
Acetone	2.7	96	6.4	230
Carbon Disulfide	2.7	6.3	8.3	20
trans-1,2-Dichloroethene	2.7	8.3	11	33
2-Butanone (Methyl Ethyl Ketone)	2.7	8.2	7.9	24
4-Methyl-2-pentanone	2.7	7.2	11	29
2-Hexanone	2.7	Not Detected	11	Not Detected
Bromoform	2.7	Not Detected	28	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	96	70-130

CDS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX I EFF Duplicate

ID#: 0502268A-05AA

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	110	70-130

CPS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF FEB17

ID#: 0502362A-01A

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

[redacted]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Chloride	520	130 J /5
Bromomethane	520	Not Detected
Chloroethane	520	Not Detected
1,1-Dichloroethene	520	230 J /5
Methylene Chloride	520	29000
1,1-Dichloroethane	520	3700
cis-1,2-Dichloroethene	520	2300
Chloroform	520	2100
1,1,1-Trichloroethane	520	30000
Carbon Tetrachloride	520	Not Detected
Benzene	520	20000
1,2-Dichloroethane	520	1200
Trichloroethene	520	23000
1,2-Dichloropropane	520	420 J /5
cis-1,3-Dichloropropene	520	Not Detected
Toluene	520	150000
trans-1,3-Dichloropropene	520	Not Detected
1,1,2-Trichloroethane	520	Not Detected
Tetrachloroethene	520	33000
Chlorobenzene	520	Not Detected
Ethyl Benzene	520	16000
m,p-Xylene	520	69000
o-Xylene	520	22000
Styrene	520	Not Detected
1,1,2,2-Tetrachloroethane	520	Not Detected
Bromodichloromethane	520	Not Detected
Dibromochloromethane	520	Not Detected
Chloromethane	2100	Not Detected
Acetone	2100	19000
Carbon Disulfide	2100	Not Detected
trans-1,2-Dichloroethene	2100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2100	20000
4-Methyl-2-pentanone	2100	11000
2-Hexanone	2100	Not Detected
Bromoform	2100	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CAS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF FEB17

ID#: 0502362A-01A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	120	70-130

CVS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17

ID#: 0502362A-02A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Chloride	520	210 J 15
Bromomethane	520	Not Detected
Chloroethane	520	Not Detected
1,1-Dichloroethene	520	260 J 15
Methylene Chloride	520	32000
1,1-Dichloroethane	520	4200
cis-1,2-Dichloroethene	520	2500
Chloroform	520	2300
1,1,1-Trichloroethane	520	32000
Carbon Tetrachloride	520	Not Detected
Benzene	520	22000
1,2-Dichloroethane	520	Not Detected
Trichloroethene	520	25000
1,2-Dichloropropane	520	430 J 15
cis-1,3-Dichloropropene	520	Not Detected
Toluene	520	170000
trans-1,3-Dichloropropene	520	Not Detected
1,1,2-Trichloroethane	520	Not Detected
Tetrachloroethene	520	35000
Chlorobenzene	520	Not Detected
Ethyl Benzene	520	17000
m,p-Xylene	520	71000
o-Xylene	520	22000
Styrene	520	Not Detected
1,1,2,2-Tetrachloroethane	520	Not Detected
Bromodichloromethane	520	Not Detected
Dibromochloromethane	520	Not Detected
Chloromethane	2100	Not Detected
Acetone	2100	18000
Carbon Disulfide	2100	Not Detected
trans-1,2-Dichloroethene	2100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2100	20000
4-Methyl-2-pentanone	2100	11000
2-Hexanone	2100	Not Detected
Bromoform	2100	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CDS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17

ID#: 0502362A-02A

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

[redacted]

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	117	70-130

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17

ID#: 0502362A-02B

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Chloride	370	170 J /J
Bromomethane	370	Not Detected
Chloroethane	370	Not Detected
1,1-Dichloroethene	370	240 J /J
Methylene Chloride	370	30000
1,1-Dichloroethane	370	3800
cis-1,2-Dichloroethene	370	2400
Chloroform	370	2100
1,1,1-Trichloroethane	370	30000
Carbon Tetrachloride	370	Not Detected
Benzene	370	21000
1,2-Dichloroethane	370	Not Detected
Trichloroethene	370	23000
1,2-Dichloropropane	370	450
cis-1,3-Dichloropropene	370	Not Detected
Toluene	370	160000 E /E
trans-1,3-Dichloropropene	370	Not Detected
1,1,2-Trichloroethane	370	Not Detected
Tetrachloroethene	370	34000
Chlorobenzene	370	Not Detected
Ethyl Benzene	370	18000
m,p-Xylene	370	74000
o-Xylene	370	24000
Styrene	370	Not Detected
1,1,2,2-Tetrachloroethane	370	Not Detected
Bromodichloromethane	370	Not Detected
Dibromochloromethane	370	Not Detected
Chloromethane	1500	Not Detected
Acetone	1500	18000
Carbon Disulfide	1500	Not Detected
trans-1,2-Dichloroethene	1500	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1500	18000
4-Methyl-2-pentanone	1500	11000
2-Hexanone	1500	Not Detected
Bromoform	1500	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130

CAS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17

ID#: 0502362A-02B

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

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	118	70-130

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AIR TOXICS LTD.

SAMPLE NAME: TOX2 EFF FEB17

ID#: 0502362A-03A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Vinyl Chloride	11	52
Bromomethane	11	Not Detected
Chloroethane	11	12
1,1-Dichloroethene	11	330
Methylene Chloride	11	1200
1,1-Dichloroethane	11	120
cis-1,2-Dichloroethene	11	140
Chloroform	11	67
1,1,1-Trichloroethane	11	800
Carbon Tetrachloride	11	Not Detected
Benzene	11	1100
1,2-Dichloroethane	11	Not Detected
Trichloroethene	11	800
1,2-Dichloropropane	11	Not Detected
cis-1,3-Dichloropropene	11	Not Detected
Toluene	11	4100
trans-1,3-Dichloropropene	11	Not Detected
1,1,2-Trichloroethane	11	Not Detected
Tetrachloroethene	11	1200
Chlorobenzene	11	5.7 J 15
Ethyl Benzene	11	370
m,p-Xylene	11	1500
o-Xylene	11	480
Styrene	11	120
1,1,2,2-Tetrachloroethane	11	Not Detected
Bromodichloromethane	11	Not Detected
Dibromochloromethane	11	Not Detected
Chloromethane	43	32 J 15
Acetone	43	900
Carbon Disulfide	43	7.0 J 15
trans-1,2-Dichloroethene	43	11 J 15
2-Butanone (Methyl Ethyl Ketone)	43	560
4-Methyl-2-pentanone	43	210
2-Hexanone	43	10 J 15
Bromoform	43	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	95	70-130

CPS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 EFF FEB17

ID#: 0502362A-03A

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

[redacted]

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	120	70-130

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFSITE ISVE

ID#: 0502268BR1-01A

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

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

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFSITE ISVE

ID#: 0502268BR1-01A

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

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

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	86	50-150
2,4,6-Tribromophenol	59	50-150
Fluorene-d10	72	60-120
Pyrene-d10	82	60-120

CPS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBPA ISVE

ID#: 0502268BR1-02A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	1.3 J
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	0.83 J
1,2-Dichlorobenzene	1.0	4.8
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	2.8
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	4.3
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	1.2
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CTS
2/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBPA ISVE

ID#: 0502268BR1-02A

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

[redacted]

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

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	73	50-150
Phenol-d5	79	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	65	50-150
Fluorene-d10	71	60-120
Pyrene-d10	78	60-120

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 INF

ID#: 0502268BR1-03A

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

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

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 INF

ID#: 0502268BR1-03A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	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	82	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	87	50-150
2,4,6-Tribromophenol	68	50-150
Fluorene-d10	73	60-120
Pyrene-d10	83	60-120

CPS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 INF DUP

ID#: 0502268BR1-04A

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

[redacted]

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

CBS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 INF DUP

ID#: 0502268BR1-04A

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

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

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	77	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	83	50-150
2,4,6-Tribromophenol	62	50-150
Fluorene-d10	70	60-120
Pyrene-d10	79	60-120

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX I EFF

ID#: 0502268BR1-05A

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

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

CBS
2/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX I EFF

ID#: 0502268BR1-05A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.31 J /B
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.63 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	78	50-150
Phenol-d5	82	50-150
Nitrobenzene-d5	78	50-150
2,4,6-Tribromophenol	67	50-150
Fluorene-d10	67	60-120
Pyrene-d10	76	60-120

OPS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF FEB17

ID#: 0502362B-01A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	2.5 J /5
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	1.1
1,4-Dichlorobenzene	1.0	4.4
1,2-Dichlorobenzene	1.0	38
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	19
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	0.96 J /5
Naphthalene	1.0	25
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	1.5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	3.0
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
2/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF FEB17

ID#: 0502362B-01A

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

[redacted]

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

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

Surrogates	%Recovery	Method Limits
2-Fluorophenol	46 Q	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	99	50-150
2,4,6-Tribromophenol	72	50-150
Fluorene-d10	75	60-120
Pyrene-d10	86	60-120

CBS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17

ID#: 0502362B-02A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	0.69 J
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.21 J
1,4-Dichlorobenzene	1.0	1.0
1,2-Dichlorobenzene	1.0	8.6
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	3.6
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	5.1
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.32 J
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.67 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
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CDS 3/17/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17

ID#: 0502362B-02A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.8 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	71	50-150
Phenol-d5	78	50-150
Nitrobenzene-d5	77	50-150
2,4,6-Tribromophenol	57	50-150
Fluorene-d10	67	60-120
Pyrene-d10	83	60-120

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17 Duplicate

ID#: 0502362B-02AA

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	0.98 J /5
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	0.25 J /5
1,4-Dichlorobenzene	1.0	1.1
1,2-Dichlorobenzene	1.0	9.0
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	3.8
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	5.4
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	0.35 J /5
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.70 J /5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

OKS
2/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 INF DUP FEB17 Duplicate

ID#: 0502362B-02AA

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	2.1 J /J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	74	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	83	50-150
2,4,6-Tribromophenol	59	50-150
Fluorene-d10	71	60-120
Pyrene-d10	87	60-120

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3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 EFF FEB17

ID#: 0502362B-03A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	1.0 J /5
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	1.6
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	0.34 J /5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	1.6
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.22 J /5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	Not Detected
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
3/7/05

AIR TOXICS LTD.

SAMPLE NAME: TOX2 EFF FEB17

ID#: 0502362B-03A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	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	74	50-150
Phenol-d5	78	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	72	50-150
Fluorene-d10	69	60-120
Pyrene-d10	89	60-120

CDS
3/7/05

March 17, 2005 Off-Gas Sample Laboratory Results

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFSITE ISVE

ID#: 0503347AR1-01A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	670	400 J /5	1700	1000 J
Bromomethane	670	Not Detected	2600	Not Detected
Chloroethane	670	Not Detected	1800	Not Detected
1,1-Dichloroethene	670	350 J /5	2600	1400 J
Methylene Chloride	670	48000	2300	170000
1,1-Dichloroethane	670	5700	2700	23000
cis-1,2-Dichloroethene	670	3300	2600	13000
Chloroform	670	3200	3300	16000
1,1,1-Trichloroethane	670	43000	3600	230000
Carbon Tetrachloride	670	Not Detected	4200	Not Detected
Benzene	670	35000	2100	110000
1,2-Dichloroethane	670	1700	2700	7000
Trichloroethene	670	31000	3600	170000
1,2-Dichloropropane	670	600 J /5	3100	2800 J
cis-1,3-Dichloropropene	670	Not Detected	3000	Not Detected
Toluene	670	230000	2500	850000
trans-1,3-Dichloropropene	670	Not Detected	3000	Not Detected
1,1,2-Trichloroethane	670	Not Detected	3600	Not Detected
Tetrachloroethene	670	51000	4500	350000
Chlorobenzene	670	Not Detected	3100	Not Detected
Ethyl Benzene	670	31000	2900	130000
m,p-Xylene	670	140000	2900	620000
o-Xylene	670	49000	2900	210000
Styrene	670	Not Detected	2800	Not Detected
1,1,2,2-Tetrachloroethane	670	Not Detected	4600	Not Detected
Bromodichloromethane	670	Not Detected	4500	Not Detected
Dibromochloromethane	670	Not Detected	5700	Not Detected
Chloromethane	2700	Not Detected	5500	Not Detected
Acetone	2700	25000	6400	59000
Carbon Disulfide	2700	Not Detected	8300	Not Detected
trans-1,2-Dichloroethene	2700	Not Detected	11000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2700	24000	7900	70000
4-Methyl-2-pentanone	2700	14000	11000	57000
2-Hexanone	2700	Not Detected	11000	Not Detected
Bromoform	2700	Not Detected	28000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFSITE ISVE

ID#: 0503347AR1-01A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	114	70-130

ORS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBFA ISVE

ID#: 0503347AR1-02A

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

[redacted]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	1300	680	3300
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	860	710	2300
1,1-Dichloroethene	270	500	1100	2000
Methylene Chloride	270	12000	930	43000
1,1-Dichloroethane	270	3900	1100	16000
cis-1,2-Dichloroethene	270	19000	1100	76000
Chloroform	270	8500	1300	42000
1,1,1-Trichloroethane	270	51000	1500	280000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	7200	860	23000
1,2-Dichloroethane	270	360	1100	1400
Trichloroethene	270	37000	1400	200000
1,2-Dichloropropane	270	330 15	1200	1500
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	62000	1000	240000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	29000	1800	200000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	12000	1200	54000
m,p-Xylene	270	54000	1200	230000
o-Xylene	270	21000	1200	91000
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	1600	2500	3800
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	810 J 15	3200	2400 J
4-Methyl-2-pentanone	1100	1400	4400	5700
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130

CDS 4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBFA ISVE

ID#: 0503347AR1-02A

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

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

ORS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 INF

ID#: 0503347AR1-03A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	1300	680	3300
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	910	710	2400
1,1-Dichloroethene	270	440	1100	1800
Methylene Chloride	270	12000	930	43000
1,1-Dichloroethane	270	3800	1100	16000
cis-1,2-Dichloroethene	270	18000	1100	71000
Chloroform	270	7900	1300	39000
1,1,1-Trichloroethane	270	48000	1500	260000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	6500	860	21000
1,2-Dichloroethane	270	340	1100	1400
Trichloroethene	270	32000	1400	180000
1,2-Dichloropropane	270	320 15	1200	1500
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	52000	1000	200000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	22000	1800	150000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	9000	1200	39000
m,p-Xylene	270	37000	1200	160000
o-Xylene	270	14000	1200	61000
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	1400	2500	3200
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	740 J 15	3200	2200 J
4-Methyl-2-pentanone	1100	1100	4400	4700
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	98	70-130

CRS 4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 INF

ID#: 0503347AR1-03A

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

[redacted]

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	114	70-130

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 INF DUP

ID#: 0503347AR1-04A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	270	1300	680	3400
Bromomethane	270	Not Detected	1000	Not Detected
Chloroethane	270	990	710	2600
1,1-Dichloroethene	270	460	1100	1800
Methylene Chloride	270	13000	930	46000
1,1-Dichloroethane	270	4100	1100	16000
cis-1,2-Dichloroethene	270	22000	1100	88000
Chloroform	270	8000	1300	39000
1,1,1-Trichloroethane	270	50000	1500	270000
Carbon Tetrachloride	270	Not Detected	1700	Not Detected
Benzene	270	7400	860	24000
1,2-Dichloroethane	270	300	1100	1200
Trichloroethene	270	36000	1400	190000
1,2-Dichloropropane	270	340 15	1200	1600
cis-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
Toluene	270	62000	1000	230000
trans-1,3-Dichloropropene	270	Not Detected	1200	Not Detected
1,1,2-Trichloroethane	270	Not Detected	1500	Not Detected
Tetrachloroethene	270	26000	1800	170000
Chlorobenzene	270	Not Detected	1200	Not Detected
Ethyl Benzene	270	11000	1200	49000
m,p-Xylene	270	46000	1200	200000
o-Xylene	270	17000	1200	74000
Styrene	270	Not Detected	1100	Not Detected
1,1,2,2-Tetrachloroethane	270	Not Detected	1800	Not Detected
Bromodichloromethane	270	Not Detected	1800	Not Detected
Dibromochloromethane	270	Not Detected	2300	Not Detected
Chloromethane	1100	Not Detected	2200	Not Detected
Acetone	1100	1200	2500	3000
Carbon Disulfide	1100	Not Detected	3300	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected	4200	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	810 J 15	3200	2400 J
4-Methyl-2-pentanone	1100	1200	4400	4800
2-Hexanone	1100	Not Detected	4400	Not Detected
Bromoform	1100	Not Detected	11000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	96	70-130

CDS 4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 INF DUP

ID#: 0503347AR1-04A

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

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

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX 1 EFF

ID#: 0503347AR1-05A

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

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	26	2.7	67
Bromomethane	1.1	Not Detected	4.2	Not Detected
Chloroethane	1.1	1.2	2.8	3.2
1,1-Dichloroethene	1.1	210	4.2	840
Methylene Chloride	1.1	14	3.7	48
1,1-Dichloroethane	1.1	1.8	4.3	7.4
cis-1,2-Dichloroethene	1.1	54	4.2	220
Chloroform	1.1	1.5	5.2	7.5
1,1,1-Trichloroethane	1.1	7.6	5.8	42
Carbon Tetrachloride	1.1	2.2	6.7	14
Benzene	1.1	52	3.4	170
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Trichloroethene	1.1	120	5.8	620
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
Toluene	1.1	48	4.0	180
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	140	7.2	920
Chlorobenzene	1.1	4.1	4.9	19
Ethyl Benzene	1.1	8.3	4.6	36
m,p-Xylene	1.1	36	4.6	160
o-Xylene	1.1	12	4.6	54
Styrene	1.1	Not Detected	4.6	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Bromodichloromethane	1.1	Not Detected	7.2	Not Detected
Dibromochloromethane	1.1	Not Detected	9.1	Not Detected
Chloromethane	4.3	5.4	8.8	11
Acetone	4.3	19	10	45
Carbon Disulfide	4.3	7.7	13	24
trans-1,2-Dichloroethene	4.3	21	17	84
2-Butanone (Methyl Ethyl Ketone)	4.3	6.8	13	20
4-Methyl-2-pentanone	4.3	2.2 J 15	18	8.9 J
2-Hexanone	4.3	0.52 J 15	18	2.1 J
Bromoform	4.3	Not Detected	44	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS 4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX 1 EFF

ID#: 0503347AR1-05A

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

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

CDS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 6 TOX 2 INF

ID#: 0503347AR1-06A

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

[redacted]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	740	260 J	1900	660 J
Bromomethane	740	Not Detected	2900	Not Detected
Chloroethane	740	Not Detected	2000	Not Detected
1,1-Dichloroethene	740	340 J	3000	1300 J
Methylene Chloride	740	38000	2600	130000
1,1-Dichloroethane	740	4700	3000	19000
cis-1,2-Dichloroethene	740	2700	3000	11000
Chloroform	740	2500	3600	12000
1,1,1-Trichloroethane	740	34000	4100	180000
Carbon Tetrachloride	740	Not Detected	4700	Not Detected
Benzene	740	26000	2400	84000
1,2-Dichloroethane	740	1400	3000	5600
Trichloroethene	740	22000	4000	120000
1,2-Dichloropropane	740	410 J	3400	1900 J
cis-1,3-Dichloropropene	740	Not Detected	3400	Not Detected
Toluene	740	140000	2800	530000
trans-1,3-Dichloropropene	740	Not Detected	3400	Not Detected
1,1,2-Trichloroethane	740	Not Detected	4100	Not Detected
Tetrachloroethene	740	29000	5000	200000
Chlorobenzene	740	Not Detected	3400	Not Detected
Ethyl Benzene	740	14000	3200	62000
m,p-Xylene	740	61000	3200	260000
o-Xylene	740	20000	3200	87000
Styrene	740	Not Detected	3200	Not Detected
1,1,2,2-Tetrachloroethane	740	Not Detected	5100	Not Detected
Bromodichloromethane	740	Not Detected	5000	Not Detected
Dibromochloromethane	740	Not Detected	6300	Not Detected
Chloromethane	3000	Not Detected	6200	Not Detected
Acetone	3000	24000	7100	56000
Carbon Disulfide	3000	Not Detected	9300	Not Detected
trans-1,2-Dichloroethene	3000	Not Detected	12000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3000	21000	8800	61000
4-Methyl-2-pentanone	3000	11000	12000	44000
2-Hexanone	3000	Not Detected	12000	Not Detected
Bromoform	3000	Not Detected	31000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

ERS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 6 TOX 2 INF

ID#: 0503347AR1-06A

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

[redacted]

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

OES
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 7 TOX 2 INF DUP

ID#: 0503347AR1-07A

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

[redacted]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	740	230 J 15	1900	590 J
Bromomethane	740	Not Detected	2900	Not Detected
Chloroethane	740	Not Detected	2000	Not Detected
1,1-Dichloroethene	740	300 J 15	3000	1200 J
Methylene Chloride	740	32000	2600	110000
1,1-Dichloroethane	740	3800	3000	16000
cis-1,2-Dichloroethene	740	2300	3000	9000
Chloroform	740	2000	3600	10000
1,1,1-Trichloroethane	740	29000	4100	160000
Carbon Tetrachloride	740	Not Detected	4700	Not Detected
Benzene	740	22000	2400	71000
1,2-Dichloroethane	740	1200	3000	4900
Trichloroethene	740	19000	4000	100000
1,2-Dichloropropane	740	Not Detected	3400	Not Detected
cis-1,3-Dichloropropene	740	Not Detected	3400	Not Detected
Toluene	740	120000	2800	450000
trans-1,3-Dichloropropene	740	Not Detected	3400	Not Detected
1,1,2-Trichloroethane	740	Not Detected	4100	Not Detected
Tetrachloroethene	740	25000	5000	170000
Chlorobenzene	740	Not Detected	3400	Not Detected
Ethyl Benzene	740	12000	3200	51000
m,p-Xylene	740	52000	3200	220000
o-Xylene	740	17000	3200	73000
Styrene	740	Not Detected	3200	Not Detected
1,1,2,2-Tetrachloroethane	740	Not Detected	5100	Not Detected
Bromodichloromethane	740	Not Detected	5000	Not Detected
Dibromochloromethane	740	Not Detected	6300	Not Detected
Chloromethane	3000	Not Detected	6200	Not Detected
Acetone	3000	17000	7100	40000
Carbon Disulfide	3000	Not Detected	9300	Not Detected
trans-1,2-Dichloroethene	3000	Not Detected	12000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3000	15000	8800	45000
4-Methyl-2-pentanone	3000	7800	12000	32000
2-Hexanone	3000	Not Detected	12000	Not Detected
Bromoform	3000	Not Detected	31000	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CHS 4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 7 TOX 2 INF DUP

ID#: 0503347AR1-07A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	114	70-130

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4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 8 TOX 2 EFF

ID#: 0503347AR1-08A

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

[redacted]

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	22	100	57	260
Bromomethane	22	Not Detected	87	Not Detected
Chloroethane	22	25	59	66
1,1-Dichloroethene	22	320	89	1200
Methylene Chloride	22	1400	78	4900
1,1-Dichloroethane	22	170	90	680
cis-1,2-Dichloroethene	22	420	89	1600
Chloroform	22	85	110	420
1,1,1-Trichloroethane	22	1000	120	5800
Carbon Tetrachloride	22	Not Detected	140	Not Detected
Benzene	22	1400	71	4400
1,2-Dichloroethane	22	Not Detected	90	Not Detected
Trichloroethene	22	860	120	4600
1,2-Dichloropropane	22	15 J 15	100	68 J
cis-1,3-Dichloropropene	22	Not Detected	100	Not Detected
Toluene	22	4200	84	16000
trans-1,3-Dichloropropene	22	Not Detected	100	Not Detected
1,1,2-Trichloroethane	22	Not Detected	120	Not Detected
Tetrachloroethene	22	1300	150	8800
Chlorobenzene	22	Not Detected	100	Not Detected
Ethyl Benzene	22	360	97	1600
m,p-Xylene	22	1400	97	6100
o-Xylene	22	470	97	2000
Styrene	22	130	95	570
1,1,2,2-Tetrachloroethane	22	Not Detected	150	Not Detected
Bromodichloromethane	22	Not Detected	150	Not Detected
Dibromochloromethane	22	Not Detected	190	Not Detected
Chloromethane	89	Not Detected	180	Not Detected
Acetone	89	890	210	2100
Carbon Disulfide	89	Not Detected	280	Not Detected
trans-1,2-Dichloroethene	89	19 J 15	350	76 J
2-Butanone (Methyl Ethyl Ketone)	89	510	260	1500
4-Methyl-2-pentanone	89	180	370	720
2-Hexanone	89	12 J 15	370	47 J
Bromoform	89	Not Detected	920	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

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

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 8 TOX 2 EFF

ID#: 0503347AR1-08A

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

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	110	70-130

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFsite ISVE

ID#: 0503347B-01A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	0.79 J /5
1,2-Dichlorobenzene	1.0	6.6
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	3.5
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	5.4
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.71 J /5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.53 J /B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 1 OFFsite ISVE

ID#: 0503347B-01A

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

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

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	79	50-150
Nitrobenzene-d5	78	50-150
2,4,6-Tribromophenol	63	50-150
Fluorene-d10	65	60-120
Pyrene-d10	73	60-120

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBFA ISVE

ID#: 0503347B-02A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	0.40 J 15
1,2-Dichlorobenzene	1.0	2.0
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	0.57 J 15
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	3.0
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.86 J 15
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.46 J 1B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 2 SBFA ISVE

ID#: 0503347B-02A

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

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

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	74	50-150
Phenol-d5	77	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	62	50-150
Fluorene-d10	63	60-120
Pyrene-d10	73	60-120

CPS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 Inf

ID#: 0503347B-03A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	0.38 J /5
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	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	0.62 J /5
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.67 J /B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

OBS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 3 TOX 1 Inf

ID#: 0503347B-03A

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

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

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	90	50-150
Phenol-d5	91	50-150
Nitrobenzene-d5	89	50-150
2,4,6-Tribromophenol	75	50-150
Fluorene-d10	73	60-120
Pyrene-d10	81	60-120

CTS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 Inf Dup

ID#: 0503347B-04A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	0.26 J B
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	0.44 J B
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.58 J B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CTS 4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 4 TOX 1 Inf Dup

ID#: 0503347B-04A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	Not Detected
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	1.1 J 15
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	92	50-150
Phenol-d5	91	50-150
Nitrobenzene-d5	90	50-150
2,4,6-Tribromophenol	71	50-150
Fluorene-d10	72	60-120
Pyrene-d10	81	60-120

CDS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX 1 Eff

ID#: 0503347B-05A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	Not Detected
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.62 J /B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CTS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 5 TOX 1 Eff

ID#: 0503347B-05A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.39 J
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.60 J
Di-n-Octylphthalate	5.0	Not Detected
Benzo(b)fluoranthene	1.0	Not Detected
Benzo(k)fluoranthene	1.0	Not Detected
Benzo(a)pyrene	1.0	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	Not Detected
Dibenz(a,h)anthracene	1.0	Not Detected
Benzo(g,h,i)perylene	1.0	Not Detected

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	89	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	83	50-150
2,4,6-Tribromophenol	72	50-150
Fluorene-d10	69	60-120
Pyrene-d10	74	60-120

CAS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 6 TOX 2 Inf

ID#: 0503347B-06A

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

[redacted]

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	0.37 J /5
1,2-Dichlorobenzene	1.0	3.2
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	Not Detected
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	2.6
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	0.29 J /5
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.42 J /B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CBS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 6 TOX 2 Inf

ID#: 0503347B-06A

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

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

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	88	50-150
Phenol-d5	90	50-150
Nitrobenzene-d5	89	50-150
2,4,6-Tribromophenol	72	50-150
Fluorene-d10	74	60-120
Pyrene-d10	82	60-120

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 7 TOX 2 Inf Dup

ID#: 0503347B-07A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	5.5
1,2-Dichlorobenzene	1.0	46
2-Methylphenol (o-Cresol)	5.0	Not Detected
N-Nitroso-di-n-propylamine	1.0	Not Detected
4-Methylphenol/3-Methylphenol	5.0	Not Detected
Hexachloroethane	1.0	Not Detected
Nitrobenzene	1.0	Not Detected
Isophorone	1.0	20
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	1.3
Naphthalene	1.0	37
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	2.4
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	5.0	0.52 J /B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CES
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 7 TOX 2 Inf Dup

ID#: 0503347B-07A

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

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

J = Estimated value.

Container Type: XAD Tube

Surrogates	%Recovery	Method Limits
2-Fluorophenol	67	50-150
Phenol-d5	99	50-150
Nitrobenzene-d5	98	50-150
2,4,6-Tribromophenol	85	50-150
Fluorene-d10	81	60-120
Pyrene-d10	97	60-120

CMS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 8 TOX 2 Eff

ID#: 0503347B-08A

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

Compound	Rpt. Limit (ug)	Amount (ug)
Phenol	5.0	Not Detected
bis(2-Chloroethyl) Ether	1.0	Not Detected
2-Chlorophenol	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected
1,2-Dichlorobenzene	1.0	1.4
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	0.48 J
2-Nitrophenol	5.0	Not Detected
2,4-Dimethylphenol	5.0	Not Detected
bis(2-Chloroethoxy) Methane	1.0	Not Detected
2,4-Dichlorophenol	5.0	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected
Naphthalene	1.0	1.6
4-Chloroaniline	10	Not Detected
Hexachlorobutadiene	1.0	Not Detected
4-Chloro-3-methylphenol	5.0	Not Detected
2-Methylnaphthalene	1.0	Not Detected
Hexachlorocyclopentadiene	20	Not Detected
2,4,6-Trichlorophenol	5.0	Not Detected
2,4,5-Trichlorophenol	5.0	Not Detected
2-Chloronaphthalene	1.0	Not Detected
2-Nitroaniline	10	Not Detected
Dimethylphthalate	5.0	Not Detected
Acenaphthylene	1.0	Not Detected
2,6-Dinitrotoluene	5.0	Not Detected
3-Nitroaniline	10	Not Detected
Acenaphthene	1.0	Not Detected
2,4-Dinitrophenol	20	Not Detected
4-Nitrophenol	20	Not Detected
2,4-Dinitrotoluene	5.0	Not Detected
Dibenzofuran	1.0	Not Detected
Diethylphthalate	5.0	0.50 J /B
Fluorene	1.0	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	Not Detected
4-Nitroaniline	10	Not Detected
4,6-Dinitro-2-methylphenol	10	Not Detected

CRS
4/7/05

AIR TOXICS LTD.

SAMPLE NAME: 8 TOX 2 Eff

ID#: 0503347B-08A

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

Compound	Rpt. Limit (ug)	Amount (ug)
N-Nitrosodiphenylamine	10	Not Detected
4-Bromophenyl-phenyl Ether	1.0	Not Detected
Hexachlorobenzene	1.0	Not Detected
Pentachlorophenol	20	Not Detected
Phenanthrene	1.0	Not Detected
Anthracene	1.0	Not Detected
di-n-Butylphthalate	5.0	0.32 J /5
Fluoranthene	1.0	Not Detected
Pyrene	1.0	Not Detected
Butylbenzylphthalate	5.0	Not Detected
3,3'-Dichlorobenzidine	20	Not Detected
Chrysene	1.0	Not Detected
Benzo(a)anthracene	1.0	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.70 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	75	50-150
Phenol-d5	76	50-150
Nitrobenzene-d5	75	50-150
2,4,6-Tribromophenol	62	50-150
Fluorene-d10	63	60-120
Pyrene-d10	68	60-120

CBS
4/7/05