QUARTERLY MONITORING REPORT
ACTIVE TREATMENT SYSTEMS
FOURTH QUARTER 2007

AMERICAN CHEMICAL SERVICE NPL SITE
GRIFFITH, INDIANA

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Prepared For:

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

Prepared By:

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

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MWH

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Prepared For:

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

Prepared by: _____ May 23, 2008

Chris A. Daly, P.E.
Project Engineer

Date

Approved by: _____ May 23, 2008

Peter Vagt, Ph.D., CPG
Project Manager

Date

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ACRONYMS AND ABBREVIATIONS

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

1.0 INTRODUCTION

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

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

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

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

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

The SBPA ISVE system consists of 25 ISVE wells, 21 dual-phase extraction (DPE) wells, 6 air sparge wells, ISVE and air sparge blower systems, a thermal oxidizer/scrubber unit, and the associated mechanical and electrical components. During the first 12 months of system operation, the performance of the ISVE system was evaluated. Based on this evaluation, the

SBPA ISVE system was enhanced in accordance with the United States Environmental Protection Agency (U.S. EPA) and Indiana Department of Environmental Management (IDEM) approval by reconfiguring 18 of the ISVE wells to allow injection of air. Air for the injection wells is directed from blower ME-102/103 at the GWTP to the SBPA ISVE blower shed. The air injection system, which consists of three groups of five injection wells, began operation in December 2005. The air injection is rotated among the three well groups on a monthly basis. Only one well group is operated at a time.

This report summarizes GWTP effluent analytical data and thermal oxidizer off-gas analytical data, ISVE process monitoring data, and water level gauging data collected from October 2007 through December 2007. The report also details modifications and upgrades that were made to the active treatment systems during the reporting period.

2.0 GWTP COMPLIANCE MONITORING

2.1 SAMPLING REQUIREMENTS

Effluent samples are collected on a regular schedule from the treatment system to demonstrate compliance with the discharge limits (Table 2.1) established by the Indiana Department of Environmental Management (IDEM) and the United States Environmental Protection Agency (U.S. EPA). The approved Performance Standard Verification Plan (PSVP) (Montgomery Watson, July 1997) requires quarterly effluent sampling for biochemical oxygen demand (BOD), total suspended solids (TSS), SVOCs, metals, and polychlorinated biphenyls (PCBs) in the system, and monthly effluent sampling for pH and VOCs, as tabulated below. In accordance with the PSVP, a full analysis effluent compliance sample was collected during October 2007 and analyzed for all of the analytes listed above. During November and December 2007, the monthly effluent compliance samples were analyzed for VOCs and pH only.

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

Sampling Frequency Schedule – Groundwater Treatment System

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

*Note: System operation began on March 13, 1997

2.2 EFFLUENT SAMPLING AND ANALYSES

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

October 4, 2007	Full analysis (pH, TSS, BOD, Metals, VOCs, SVOCs, pentachlorophenol, and PCBs)
November 15, 2007	pH and VOCs
December 11, 2007	pH and VOCs

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

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

2.3 EFFLUENT ANALYTICAL RESULTS

2.3.1 GWTP Effluent Samples

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

Microbac Laboratory of Merrillville, Indiana performed the analysis of the samples. Laboratory Data Consultants (LDC) of Carlsbad, California performed third party data validation in accordance with the U.S. EPA National Functional Guidelines for Organic/Inorganic Data Review (U.S. EPA, February 1994 and October 1999). Validation qualifiers are listed in Table 2.2 and are written in the margin of the analytical data sheets provided in Appendix A.

3.0 ISVE SYSTEM MONITORING

3.1 THERMAL OXIDIZER OFF-GAS SAMPLING

During the fourth quarter of 2007, Thermal Oxidizer/Scrubber Unit 1 (Therm Ox 1) was used to treat vapors from the SBPA ISVE system and Thermal Oxidizer/Scrubber Unit 2 (Therm Ox 2) was used to treat vapors from the Off-Site ISVE system and T-102. Monthly VOC removal rates are illustrated in Figure 3.1 and the total VOCs removed are shown on Figure 3.2. Compliance samples were collected from the thermal oxidizer/scrubber units on October 23rd, November 8th, and December 11th.

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

Sampling Frequency Schedule – ISVE System

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

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

Parameter	Analytical Method
VOCs	TO-15
SVOCs	TO-13

Per Addendum No. 1 to the QAPP, Microbac Laboratory of Merrillville, Indiana is now the primary analytical laboratory for air analyses for the project. Microbac performs VOC analysis by Method TO-15.

3.2 SAMPLING RESULTS

The influent and effluent data are collected to verify that the emissions from both of the thermal oxidizers were less than the IDEM discharge limit of three pounds of VOCs per hour (lbs/hr) and 15 pounds per day (lbs/day) for October, November, and December. The highest VOC discharge rate observed during these sampling events was the October 23, 2007 Therm Ox 2 sample, which was measured at 1.811 pounds per hour or 43.46 pounds per day. This

value exceeds the discharge limit of 15 pounds per day and was likely the result of unstable operation of TOX 2 throughout October. The unit was shut down on several occasions in October due to high temperature in the scrubber influent air stream. In the past, excessive scaling on the scrubber's quench spray nozzles has been found to have been the cause. That condition was addressed by replacing the packing in the scrubber. Data from the November and December sampling events indicate that the oxidizer system has performed within compliance limits. VOC discharge values for Therm Ox 1, Therm Ox 2, and the SBPA and Off-Site ISVE system are presented in Tables 3.1 through 3.9. The analytical data sheets for the compliance samples are provided in Appendix B.

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

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

A portion of the analytical results for SVOC samples collected during the quarter were rejected during the data validation process. The rejected data was limited to acid compounds and were rejected due to low surrogate recoveries. The analytical laboratory conducted an investigation and determined that the problem was Microbac's use of an incorrect sorbent tube to collect the sample. As of February 2008, the necessary corrective actions have been taken and samples collected after this date should pass the validation process.

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 vacuum pressures at individual ISVE wells and headers were measured and recorded on a routine basis. Additionally, VOC concentrations were measured at individual wells and headers using a photoionization detector (PID).

The information collected during performance monitoring is used to evaluate and optimize the ISVE system. Data collected from the Off-Site ISVE system during the fourth quarter of 2007 are presented in Tables 3.19 and 3.20. Data that were collected from the SBPA ISVE system during the fourth quarter of 2007 are presented in Tables 3.21 and 3.22.

3.4 PRODUCT REMOVAL ACTIVITIES

No free product removal activities were conducted during the fourth quarter of 2007 due to adverse weather conditions.

4.0 GWTP PROCESS MODIFICATIONS AND REPAIRS

4.1 GWTP PROCESS MODIFICATIONS

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

4.2 GWTP REPAIRS AND MAINTENANCE

The following maintenance activity was conducted at the GWTP during the fourth quarter of 2007:

- Recovery from damage caused by heavy thunderstorms in August continued during the fourth quarter. The storms caused damage to the site's main power transformer and as a result of the associated power outage, biological activity in the activated sludge plant decreased and a portion of the bacterial population died. As the dead bacteria left the tank, they began to cause significant fouling in the pipes and filters. Maintenance activities included cleaning these pipes and filters. Also, an additional changeout event for the Granular Activated Carbon (GAC) vessels was required.

5.0 ISVE PROCESS MODIFICATIONS AND REPAIRS

5.1 ISVE PROCESS MODIFICATIONS

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

- Three sets of air injection wells ran at the ACS site throughout the fourth quarter 2007. On October 17, 2007 MWH switched the air injection wells from Group 3 (SVE-44, SVE-59, SVE-77, SVE-80, and SVE-84) to Group 1 (SVE-50, SVE-54, SVE-73, and SVE-81). Due to maintenance of SVE-79, Group 1 operated with only four air injection wells. Group 1 operated until November 20, 2007 when MWH switched over to Group 2 (SVE-49, SVE-71, and SVE-82). Due to maintenance of SVE-51 and SVE-65, Group 2 operated with only three air injection wells.

- On December 20, 2007, operation of the air injection wells was switched from Group 2 to Group 3.

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

The following modifications were made to the Off-Site ISVE system during the fourth quarter of 2007:

- In November, the configuration of the Off-Site ISVE System was modified to increase the efficiency of removing volatile organic compounds (VOCs). Between 28 and 31 extraction wells have remained active, instead of the usual 42, to focus on those wells with higher VOC concentrations. In addition, well caps have been removed from 10 wells (SVE-03, SVE-06, SVE-10, SVE-13, SVE-15, SVE-17, SVE-18, SVE-21, SVE-31, and SVE-36) to promote cross-flow. Preliminary measurements have shown an increase in VOCs at the well headers in the blower shed.

5.2 ISVE REPAIRS AND MAINTENANCE

No repairs and/or maintenance activities were performed on the ISVE systems during the fourth quarter of 2007.

6.0 PGCS AND BWES GAUGING ACTIVITIES

During the operational time frame of the GWTP in the fourth quarter of 2007, the PGCS groundwater extraction trenches were operated in "auto" mode. In "auto" mode, the PGCS extraction wells pump continuously unless there is a low water level in individual extraction wells or a high water level in the Aeration Equalization Tank (T-102). This mode is used to control the flowrate through the treatment system, while at the same time creating an inward gradient along the PGCS trench. The GWTP also received influent from the On-Site and Off-Site components of the BWES, the SBPA DPE wells, and MW-56 during the fourth quarter of 2007. In addition, the pump in MW-10C was replaced and brought online with the Lower Aquifer Pumping System in September 2007. Extracted groundwater from MW-10C, MW-30, MW-53, and LA-14 was pumped to the GWTP for treatment.

In accordance with the PSVP, a discussion on the effect of the PGCS and BWES on the water table near the Site is presented in each quarterly monitoring report. This section summarizes the groundwater elevations at the Site during October, November, and December 2007. Groundwater elevation measurements were collected throughout the Site on December 13, 2007 as part of the groundwater monitoring program. The groundwater elevations are listed in Table 6.1 and the resulting water table contours outside the barrier wall are shown on Figure 6.1.

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

Table 6.1, BWES Water Level and Piezometer Pairs, presents the groundwater elevations inside and outside the barrier wall on December 13, 2007. The groundwater elevations are plotted on Figure 6.2. The groundwater elevation measurements inside the barrier wall range from 2.48 feet to 7.78 feet lower than levels outside the barrier wall. The P93/P94 piezometer set which had a higher groundwater elevation inside of the barrier wall during the third quarter of 2007, showed a groundwater elevation 2.70 feet lower inside of the barrier wall during the fourth quarter of 2007. Dewatering rates increased during the fourth quarter of 2007 as a result of the GWTP returning to normal operation following interruption of service caused by storm damage in August. In general, the data demonstrates that the barrier wall is successfully performing the intended function of isolating and protecting the groundwater outside the barrier wall from the source areas of the Site inside the barrier wall. MWH will continue to collect water level measurements quarterly across the Site as required in the PSVP.

As part of the optimization of the GWTP and BWES upgrades, MWH began active dewatering of the Off-Site Area through increased groundwater pumping rates on September 25, 2001. Active dewatering of the SBPA (On-Site Area) began on

February 11, 2003 with the addition of the DPE wells. Water levels were measured throughout the quarter at piezometer locations (P29, P31, P32, P36, and P49) in the On-Site Area and at piezometers (P96, P110, P112, P113, P114, P116, P118) and three air sparge (AS) wells (AS-7, AS-8, and AS-9) in the Off-Site Area. These locations are shown on Figure 6.3. The water level trend data from these piezometers and AS wells for the fourth quarter of 2007 are depicted graphically on Figures 6.4 and 6.5, which also show the target water elevations for each area. In the SBPA, the target water level is 629 feet amsl. Water levels in two piezometer locations (P-29 and P-31) have been drawn down to below the bottom of the screens in these wells throughout the fourth quarter of 2007. Therefore, the depth to water measurements at these locations show straight-line measurements of the bottom of the wells. The other three locations had water levels that varied from approximately 625 feet amsl to 632 feet amsl. These water levels have shown a decreasing trend throughout the fourth quarter of 2007.

In the Off-Site ISVE area, the target water level is 626 feet amsl. Actual water levels varied from approximately 620 feet amsl to 628.5 feet amsl. This represents a decrease in the average water levels from the third quarter of 2007. MWH will continue to monitor the water levels in both the SBPA and Off-Site Area to ensure vapor extraction at the ISVE wells is not inhibited.

7.0 SYSTEM OPERATION

The GWTP operated as designed 95 percent of the fourth quarter of 2007 (based on 2,067 hours of operation out of a total of 2,184 hours). The system drew influent water from the On-Site Area BWES, the Off-Site Area BWES, the PGCS, MW-10C, MW-56, and the Lower Aquifer Pumping System.

The Off-Site Area ISVE system continued to operate as designed 68 percent of the fourth quarter of 2007 (based on 1,477 hours of operation out of a total of 2,184 hours). The SBPA ISVE system continued to operate as designed 74 percent of the fourth quarter of 2007 (based on 1,619 hours of operation out of a total of 2,184 hours). A majority of the downtime for the ISVE systems was associated with maintenance and repairs of the thermal oxidizers.

8.0 CONCLUSIONS AND RECOMMENDATIONS

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

8.1 GWTP OPERATION

The GWTP continued to operate normally during the fourth quarter of 2007. No significant modifications were made to the system during the period. MWH continues to perform routine maintenance activities to ensure that the operation of the GWTP is sustained. During the fourth quarter, these activities included the annual GWTP maintenance event in November, and continued repairs and maintenance to the GWTP in response to power outages from heavy thunderstorms in August.

The GWTP continued to treat water from all available sources. The list of sources was expanded in September 2007 with the completion of the Lower Aquifer Pumping System and the replacement of the pump in MW-10C.

8.2 ISVE OPERATION

The ISVE systems continued to operate normally during the fourth quarter of 2007. As shown in Figure 3.1, the VOC removal rates (in pounds per day) were observed to be within range previously observed. The operational times of both the systems were decreased primarily due to maintenance issues associated with the thermal oxidizers. MWH will continue to perform O&M services on these units to ensure adequate operational time for the ISVE systems.

The configuration of the Off-Site ISVE system was modified to increase the efficiency of removing VOCs by reducing the number of active extraction wells operating. This allows the ISVE system to focus on those wells with higher concentrations of VOCs. In addition, well caps were removed from 10 wells to promote cross-flow. Preliminary measurements have shown an increase in VOCs at the well headers in the blower shed.

8.3 GROUNDWATER LEVEL MONITORING

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

Recent groundwater level monitoring results indicated that levels in both the On-Site and Off-Site Areas had risen above previous minimum levels. MWH evaluated the performance

of the extraction trenches and wells to ensure correct operation. An evaluation of the condition of the extraction pumps in the Off-Site Area determined that some of the pumps warranted replacement. Ten of the pumps' motors had malfunctioned and were replaced.

The annual maintenance event for the SBPA dual-phase extraction pumps was performed during the third quarter of 2007. Seven of the pumps were extensively cleaned and repaired and two of the pumps were replaced. As a result, groundwater levels throughout the fourth quarter have continued to show a decreasing trend. Off-Site average water levels are only slightly above the target water level and SBPA average water levels are below the target water level.

8.4 HEALTH AND SAFETY

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

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

- 3,873 consecutive days with no lost time due to an accident or Health and Safety incident.
- 1,565 consecutive days without an incident requiring first aid.

9.0 REFERENCES

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TABLES

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

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

Notes:

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

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

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

Event Date	Month 125 10/4/2007	Month 126 11/15/2007	Month 127 12/11/2007	Effluent Limits	Lab Reporting Limits
pH	7.24 H/	7.81 H/	7.93 H/	6-9	none
TSS	1.0 U/	NS	NS	30	1.0
BOD	4.2 /J	NS	NS	30	2
Arsenic	10 U/	NS	NS	50	10
Beryllium	1.0 U/	NS	NS	NE	1.0
Cadmium	2.0 U/	NS	NS	4.1	2.0
Manganese	1.3 J/	NS	NS	NE	2.0
Mercury[1]	0.2 U/	NS	NS	0.02 (w/DL = 0.64)	0.2
Selenium	30 U/	NS	NS	8.2	30
Thallium	50 U/	NS	NS	NE	50
Zinc	20 U/	NS	NS	411	20
Benzene	1.0 U/	1.0 U/	1.0 U/	5	1.0
Acetone	2.7 J/J	4.2 J/	5.0 U/UJ	6,800	5.0
2-Butanone	2.0 U/UJ	2.0 U/	2.0 U/UJ	210	2.0
Chloromethane	2.0 U/	17 /	2.0 U/UJ	NE	2.0
1,4-Dichlorobenzene	1.0 U/	1.0 U/	1.0 U/	NE	1.0
1,1-Dichloroethane	1.0 U/	0.47 J/	1.0 U/	NE	1.0
cis-1,2-Dichloroethene	1.0 U/	1.0 U/	1.0 U/	70	1.0
Ethylbenzene	1.0 U/	1.0 U/	1.0 U/	34	1.0
Methylene chloride	2.0 U/	2.0 U/	2.0 U/	5	2.0
Tetrachloroethene	1.0 U/	1.0 U/	1.0 U/	5	1.0
Trichloroethene	1.0 U/	1.0 U/	1.0 U/	5	1.0
Vinyl chloride	2.0 U/	2.0 U/	2.0 U/UJ	2	2.0
4-Methyl-2-pentanone	1.0 U/	1.0 U/	1.0 U/UJ	15	1.0
bis (2-Chloroethyl) ether	5.0 U/	NS	NS	9.6	5.0
bis(2-Ethylhexyl) - phthalate	0.97 J/	NS	NS	6	5.0
4 - Methylphenol	ND	NS	NS	34	5.0
Isophorone	ND	NS	NS	50	5.0
Pentachlorophenol	ND	NS	NS	1	25
PCB/Aroclor-1016[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52
PCB/Aroclor-1221[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52
PCB/Aroclor-1232[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52
PCB/Aroclor-1242[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52
PCB/Aroclor-1248[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52
PCB/Aroclor-1254[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52
PCB/Aroclor-1260[1]	ND	NS	NS	0.00056 (w/DL = 0.1 to 0.9)	0.52

Notes:

Bolded result indicates a exceedence of the discharge limit
pH data is expressed in S.U.
BOD and TSS data is expressed in mg/L
Metals, VOC, SVOC and PCB data is expressed in ug/L
1. Effluent standards for the Groundwater Treatment Plant were established based on maximum contaminant levels, Indiana water quality effluent limits, or best available treatment technologies. However, laboratory equipment could not read down to the effluent standards for mercury or PCBs. Therefore, the lowest equipment detection limit (or limit range for PCBs) for these compounds were established as their respective effluent standards.
ND = Not detected
NS = This analyte was not sampled or analyzed for
NE = No effluent limit established.
DL = Detection limit

Suffix Definitions:

_/ = Data qualifier added by laboratory
/_ = Data qualifier added by data validator
J = Result is detected below the reporting limit and is an estimated concentration
U =Analyte is not detected at or above the indicated concentration
UJ = Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value, however the calibration was out of range. Therefore the concentration is estimated.
H =Analyte was prepared and/or analyzed outside of the analytical method holding time

Table 3.1
Thermal Oxidizer 1 Results for Method TO-15 (VOCs) - October 2007
American Chemical Service
Griffith, Indiana

		Sampled 10/23/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	18,000		12,000		27		99.78%	99.85%	99.81%
1,1,2,2-Tetrachloroethane	ppbv	14	J	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	79		57	J	0.29	J	NC	NC	NC
1,1-Dichloroethane	ppbv	2,600		2,100		5.2		99.75%	99.80%	99.78%
1,1-Dichloroethene	ppbv	100		110	J	61.00		NC	NC	NC
1,2-Dichloroethane	ppbv	290		240		1.1		99.54%	99.62%	99.58%
1,2-Dichloropropane	ppbv	260		250		0.31	J	NC	NC	NC
2-Butanone (Methyl Ethyl Ketone)	ppbv	560		490	J	79		NC	NC	NC
2-Hexanone	ppbv	ND	U	ND	U	7.20		NC	NC	NC
4-Methyl-2-pentanone	ppbv	1,900		2,200		83		95.63%	96.23%	95.93%
Acetone	ppbv	920		1,100		53		94.24%	95.18%	94.71%
Benzene	ppbv	3,200		3,000		94		96.87%	97.06%	96.96%
Bromodichloromethane	ppbv	63		ND	U	ND	U	NC	NC	NC
Bromoform	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Bromomethane	ppbv	ND	U/UJ	ND		ND	U/UJ	NC	NC	NC
Carbon Disulfide	ppbv	94		ND	U	ND	U	NC	NC	NC
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.29	J	NC	NC	NC
Chlorobenzene	ppbv	250		ND	U	3.1		NC	NC	NC
Chloroethane	ppbv	260	/J	300	/J	1.1		99.58%	99.63%	99.61%
Chloroform	ppbv	3,700		4,000		3.6		99.90%	99.91%	99.91%
Chloromethane	ppbv	10	J	ND	U	3.7		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	19,000		18,000		39		99.78%	99.79%	99.79%
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	9,200		9,700		32		99.65%	99.67%	99.66%
m,p-Xylene	ppbv	51,000		47,000		130		99.72%	99.75%	99.73%
Methylene Chloride	ppbv	5,000		4,100		2.5	Jb/J	NC	NC	NC
o-Xylene	ppbv	23,000		21,000		47		99.78%	99.80%	99.79%
Styrene	ppbv	150		170		13		91.33%	92.35%	91.84%
Tetrachloroethene	ppbv	31,000		28,000		150		99.46%	99.52%	99.49%
Toluene	ppbv	44,000		43,000		160		99.63%	99.64%	99.63%
trans-1,2-Dichloroethene	ppbv	100		99	J	13		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	8,400		8,600		62		99.26%	99.28%	99.27%
Vinyl Chloride	ppbv	1,200		1,300		16		98.67%	98.77%	98.72%
Total	**ppbv**	**224,350**		**206,816**		**1,087.4**		**99.47%**	**99.52%**	**99.49%**
Total	**lb/hr**	**2.883**		**2.636**		**0.013**		**99.51%**	**99.55%**	**99.53%**

Notes:

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

Qualifiers:

U - Below reported quantitation limit
J - Result is estimated
UJ - Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
Jb - Detected in the associated Method Blank at a concentration between the Reporting Limit and Method Detection Limit
_/ - Laboratory data qualifier
/_ - Data validation qualifier

Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Temp (F)	Flow (scfm)
On-site	11/15/07	100	721
Off-site	11/21/07	68	1,489

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.2
Thermal Oxidizer 1 Results for Method TO-15 (VOCs) - November 2007
American Chemical Service
Griffith, Indiana

		Sampled 11/15/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	6,600		7,900		48		99.27%	99.39%	99.33%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	35		47		0.58		98.34%	98.77%	98.55%
1,1-Dichloroethane	ppbv	1,600		1,900		8.6		99.46%	99.55%	99.50%
1,1-Dichloroethene	ppbv	61		71		0.62		98.98%	99.13%	99.06%
1,2-Dichloroethane	ppbv	180		210		2.2		98.78%	98.95%	98.87%
1,2-Dichloropropane	ppbv	140		170		0.53		99.62%	99.69%	99.65%
2-Butanone (Methyl Ethyl Ketone)	ppbv	160		200		190		NC	NC	NC
2-Hexanone	ppbv	30	J	ND	U	3.1		NC	NC	NC
4-Methyl-2-pentanone	ppbv	890		1,100		50		94.38%	95.45%	94.92%
Acetone	ppbv	380		560		390		NC	NC	NC
Benzene	ppbv	1,100		1,300		16		98.55%	98.77%	98.66%
Bromodichloromethane	ppbv	ND	U	46		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	410		200		ND	U	100.00%	100.00%	100.00%
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	380		450		ND	U	100.00%	100.00%	100.00%
Chloroform	ppbv	2,000		2,400		4.9		99.76%	99.80%	99.78%
Chloromethane	ppbv	ND	U	ND	U	0.61		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	9,600		11,000		6.1		99.94%	99.94%	99.94%
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	2,400		3,100		38		98.42%	98.77%	98.60%
m,p-Xylene	ppbv	8,400		11,000		150		98.21%	98.64%	98.43%
Methylene Chloride	ppbv	3,400		3,900		65		98.09%	98.33%	98.21%
o-Xylene	ppbv	4,100		5,200		61		98.51%	98.83%	98.67%
Styrene	ppbv	59		83		1.4		97.63%	98.31%	97.97%
Tetrachloroethene	ppbv	7,900		9,700		55		99.30%	99.43%	99.37%
Toluene	ppbv	8,800		10,000		370		95.80%	96.30%	96.05%
trans-1,2-Dichloroethene	ppbv	83		94		0.27		99.67%	99.71%	99.69%
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	4,500		5,400		45		99.00%	99.17%	99.08%
Vinyl Chloride	ppbv	1,600		2,100		0.47		99.97%	99.98%	99.97%
Total	**ppbv**	**64,808**		**78,131**		**1,507.4**		**97.67%**	**98.07%**	**97.87%**
Total	**lb/hr**	**0.823**		**0.955**		**0.015**		**98.18%**	**98.43%**	**98.30%**

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

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

Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Temp (F)	Flow (scfm)
On-site	Average	100	721
Off-site	Average	70	1,489

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.3
Thermal Oxidizer 1 Results for Method TO-15 (VOCs) - December 2007
American Chemical Service
Griffith, Indiana

		Sampled 12/11/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	6,600		7,500		40		99.39%	99.47%	99.43%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	28	J	26	J	0.31		NC	NC	NC
1,1-Dichloroethane	ppbv	1,100		1,100		6.4		99.42%	99.42%	99.42%
1,1-Dichloroethene	ppbv	75		78		42		44.00%	46.15%	45.08%
1,2-Dichloroethane	ppbv	150		140		1.4		99.00%	99.07%	99.03%
1,2-Dichloropropane	ppbv	130		130		0.41		99.68%	99.68%	99.68%
2-Butanone (Methyl Ethyl Ketone)	ppbv	210		210		37		82.38%	82.38%	82.38%
2-Hexanone	ppbv	ND	U	ND	U	2		NC	NC	NC
4-Methyl-2-pentanone	ppbv	500		540		16		96.80%	97.04%	96.92%
Acetone	ppbv	260		260		57		78.08%	78.08%	78.08%
Benzene	ppbv	1,100		1,100		58		94.73%	94.73%	94.73%
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	810		170		ND	U	100.00%	100.00%	100.00%
Carbon Tetrachloride	ppbv	ND	U	ND	U	0.16		NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	1.6		NC	NC	NC
Chloroethane	ppbv	380		380		2.4		99.37%	99.37%	99.37%
Chloroform	ppbv	2,700		3,100		5.4		99.80%	99.83%	99.81%
Chloromethane	ppbv	ND	U	ND	U	2.6		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	10,000		11,000		39		99.61%	99.65%	99.63%
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	2,500		3,500		19		99.24%	99.46%	99.35%
m,p-Xylene	ppbv	9,800		13,000		96		99.02%	99.26%	99.14%
Methylene Chloride	ppbv	2,500		2,900		43		98.28%	98.52%	98.40%
o-Xylene	ppbv	5,900		7,900		41		99.31%	99.48%	99.39%
Styrene	ppbv	52		54		7.3		85.96%	86.48%	86.22%
Tetrachloroethene	ppbv	7,300		8,700		82		98.88%	99.06%	98.97%
Toluene	ppbv	8,600		12,000		91		98.94%	99.24%	99.09%
trans-1,2-Dichloroethene	ppbv	70		70		12		82.86%	82.86%	82.86%
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	4,400		5,300		44		99.00%	99.17%	99.08%
Vinyl Chloride	ppbv	2,400		2,600		20		99.17%	99.23%	99.20%
Total	**ppbv**	**67,565**		**81,758**		**767.0**		**98.86%**	**99.06%**	**98.96%**
Total	**lb/hr**	**0.826**		**1.002**		**0.009**		**98.91%**	**99.10%**	**99.01%**

Notes:

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

Qualifiers:

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

Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Temp (F)	Flow (scfm)
On-site	Average	100	700
Off-site	Average	70	1,450

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.4
Thermal Oxidizer 2 Results for Method TO-15 (VOCs) - October 2007
American Chemical Service
Griffith, Indiana

		Sampled 10/23/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	18,000		21,000		4,300		76.11%	79.52%	77.82%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	120		200		ND	U	NC	NC	NC
1,1-Dichloroethane	ppbv	2,800		3,100		500		82.14%	83.87%	83.01%
1,1-Dichloroethene	ppbv	91		110		540		NC	NC	NC
1,2-Dichloroethane	ppbv	540		670		68	/J	NC	NC	NC
1,2-Dichloropropane	ppbv	130		160		ND	U	100.00%	100.00%	100.00%
2-Butanone (Methyl Ethyl Ketone)	ppbv	16,000		19,000		3,300	/J	NC	NC	NC
2-Hexanone	ppbv	170		160		ND		100.00%	100.00%	100.00%
4-Methyl-2-pentanone	ppbv	7,400		7,200		550	/J	NC	NC	NC
Acetone	ppbv	22,000		23,000		3,800	/J	NC	NC	NC
Benzene	ppbv	6,900		7,500		2,900		57.97%	61.33%	59.65%
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/UJ	ND	U/UJ	ND	U/UJ	NC	NC	NC
Carbon Disulfide	ppbv	190		110		2,200		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	76	/J	82	/J	ND	U	NC	NC	NC
Chloroform	ppbv	1,300		1,500		130	/J	NC	NC	NC
Chloromethane	ppbv	28	J	34	J	ND	U	NC	NC	NC
cis-1,2-Dichloroethene	ppbv	2,400		2,600		430	/J	NC	NC	NC
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	10,000		12,000		2,300		77.00%	80.83%	78.92%
m,p-Xylene	ppbv	60,000		70,000		8,500		85.83%	87.86%	86.85%
Methylene Chloride	ppbv	21,000		23,000		3,400	/J	NC	NC	NC
o-Xylene	ppbv	22,000		26,000		3,300		85.00%	87.31%	86.15%
Styrene	ppbv	220		280		320		NC	NC	NC
Tetrachloroethene	ppbv	10,000		20,000		5,200		48.00%	74.00%	61.00%
Toluene	ppbv	90,000		86,000		32,000		62.79%	64.44%	63.62%
trans-1,2-Dichloroethene	ppbv	46		52		16	J/J	NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	8,400		9,300		3,100		63.10%	66.67%	64.88%
Vinyl Chloride	ppbv	130		140		49	/J	NC	NC	NC
Total	**ppbv**	**299,941**		**333,198**		**76,903.0**		**74.36%**	**76.92%**	**75.64%**
Total	**lb/hr**	**6.960**		**7.921**		**1.811**		**73.98%**	**77.14%**	**75.56%**

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

Qualifiers:
U - Below reported quantitation limit
J - Result is estimated
UJ - Indicates the compound or analyte was analyzed for but not detected.
The sample detection limit is an estimated value.
_/ - Laboratory data qualifier
/_ - Data validation qualifier

Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Temp (F)	Flow (scfm)
On-site	11/15/07	100	721
Off-site	11/21/07	68	1,489

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.5
Thermal Oxidizer 2 Results for Method TO-15 (VOCs) - November 2007
American Chemical Service
Griffith, Indiana

		Sampled 11/15/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	17,000		11,000		8.0		99.93%	99.95%	99.94%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	130		130		0.21		99.84%	99.84%	99.84%
1,1-Dichloroethane	ppbv	2,800		2,600		1.6		99.94%	99.94%	99.94%
1,1-Dichloroethene	ppbv	58		62		0.41		99.29%	99.34%	99.32%
1,2-Dichloroethane	ppbv	450		440		0.49		99.89%	99.89%	99.89%
1,2-Dichloropropane	ppbv	100		110		ND	U	100.00%	100.00%	100.00%
2-Butanone (Methyl Ethyl Ketone)	ppbv	3,100		7,900		4.4		99.86%	99.94%	99.90%
2-Hexanone	ppbv	ND	U	180		0.28		NC	NC	NC
4-Methyl-2-pentanone	ppbv	3,000		3,500		4.4		99.85%	99.87%	99.86%
Acetone	ppbv	17,000		26,000		14		99.92%	99.95%	99.93%
Benzene	ppbv	6,200		6,400		4.6		99.93%	99.93%	99.93%
Bromodichloromethane	ppbv	ND	U	ND	U	0.12		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	660		880		ND	U	100.00%	100.00%	100.00%
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	200		360		ND	U	100.00%	100.00%	100.00%
Chloroform	ppbv	1,000		1,000		3.1		99.69%	99.69%	99.69%
Chloromethane	ppbv	23	J	22	J	0.37		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	2,200		2,500		15		99.32%	99.40%	99.36%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	6,000		6,200		43		99.28%	99.31%	99.29%
m,p-Xylene	ppbv	20,000		21,000		180		99.10%	99.14%	99.12%
Methylene Chloride	ppbv	11,000		10,000		4.0		99.96%	99.96%	99.96%
o-Xylene	ppbv	9,000		9,300		100		98.89%	98.92%	98.91%
Styrene	ppbv	210		230		1.5		99.29%	99.35%	99.32%
Tetrachloroethene	ppbv	8,800		8,500		63		99.26%	99.28%	99.27%
Toluene	ppbv	58,000		6,600		82		98.76%	99.86%	99.31%
trans-1,2-Dichloroethene	ppbv	32		40		0.16		99.50%	99.60%	99.55%
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	8,400		7,700		14		99.82%	99.83%	99.83%
Vinyl Chloride	ppbv	330		470		0.48		99.85%	99.90%	99.88%
Total	**ppbv**	**175,693**		**133,124**		**545.1**		**99.59%**	**99.69%**	**99.64%**
Total	**lb/hr**	**4.150**		**3.066**		**0.014**		**99.54%**	**99.66%**	**99.60%**

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

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

Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Temp (F)	Flow (scfm)
On-site	Average	100	721
Off-site	Average	70	1,489

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.6
Thermal Oxidizer 2 Results for Method TO-15 (VOCs) - December 2007
American Chemical Service
Griffith, Indiana

		Sampled 12/11/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,1,1-Trichloroethane	ppbv	19,000		23,000		40		99.83%	99.79%	99.81%
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
1,1,2-Trichloroethane	ppbv	160		170		ND	U	100.00%	100.00%	100.00%
1,1-Dichloroethane	ppbv	2,600		2,900		8.6		99.67%	99.70%	99.69%
1,1-Dichloroethene	ppbv	62		81		1.6		97.42%	98.02%	97.72%
1,2-Dichloroethane	ppbv	540		600		1.7		99.69%	99.72%	99.70%
1,2-Dichloropropane	ppbv	140		150		0.49		99.65%	99.67%	99.66%
2-Butanone (Methyl Ethyl Ketone)	ppbv	17,000		20,000		420		97.53%	97.90%	97.71%
2-Hexanone	ppbv	310		280		4.5		98.39%	98.55%	98.47%
4-Methyl-2-pentanone	ppbv	6,100		7,100		110		98.20%	98.45%	98.32%
Acetone	ppbv	18,000		20,000		600		96.67%	97.00%	96.83%
Benzene	ppbv	7,500		7,700		19		99.75%	99.75%	99.75%
Bromodichloromethane	ppbv	ND	U	82		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	570		490		ND	U	100.00%	100.00%	100.00%
Carbon Tetrachloride	ppbv	ND	U	ND	U	ND	U/UJ	NC	NC	NC
Chlorobenzene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Chloroethane	ppbv	53		73		2.4		95.47%	96.71%	96.09%
Chloroform	ppbv	1,500		1,600		4.9		99.67%	99.69%	99.68%
Chloromethane	ppbv	16	J	23	J	1.1		NC	NC	NC
cis-1,2-Dichloroethene	ppbv	1,100		1,800		9.8		99.11%	99.46%	99.28%
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Dibromochloromethane	ppbv		U	ND	U	ND	U	NC	NC	NC
Ethyl Benzene	ppbv	ND		8,200		20		NC	NC	NC
m,p-Xylene	ppbv	39,000		55,000		80		99.79%	99.85%	99.82%
Methylene Chloride	ppbv	23,000		30,000		28		99.88%	99.91%	99.89%
o-Xylene	ppbv	17,000		23,000		38		99.78%	99.83%	99.81%
Styrene	ppbv	230		240		2.0		99.13%	99.17%	99.15%
Tetrachloroethene	ppbv	10,000		11,000		33		99.67%	99.70%	99.69%
Toluene	ppbv	67,000		80,000		220		99.67%	99.73%	99.70%
trans-1,2-Dichloroethene	ppbv	23	J	29	J	0.34		NC	NC	NC
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U	ND	U	NC	NC	NC
Trichloroethene	ppbv	9,800		11,000		25		99.74%	99.77%	99.76%
Vinyl Chloride	ppbv	99		140		4.5		95.45%	96.79%	96.12%
Total	**ppbv**	**240,803**		**304,658**		**1,674.9**		**99.30%**	**99.45%**	**99.38%**
Total	**lb/hr**	**5.452**		**6.928**		**0.031**		**99.43%**	**99.55%**	**99.49%**

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

Qualifiers:
U - Below reported quantitation limit
J - Result is estimated
UJ - Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
_/ - Laboratory data qualifier
/_ - Data validation qualifier

Destruction efficiencies were not calculated if either the influent or effluent samples were estimated.
Destruction efficiencies were also not calculated if the effluent result exceeded either influent result.
Total destruction efficiencies that include the estimated results of any individual compound will be considered an estimated value.

System	Date	Temp (F)	Flow (scfm)
On-site	Average	100	700
Off-site	Average	70	1,450

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.7
SBPA and Off-Site ISVE System Results
for Method TO-15 (VOCs) - October 2007
American Chemical Service
Griffith, Indiana

		Sampled 10/23/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	91,000		130,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U/UJ	ND	U/UJ
1,1,2-Trichloroethane	ppbv	780	/J	ND	U/UJ
1,1-Dichloroethane	ppbv	29,000		31,000	/J
1,1-Dichloroethene	ppbv	640		940	
1,2-Dichloroethane	ppbv	1,800		4,500	
1,2-Dichloropropane	ppbv	1,800		1,200	
2-Butanone (Methyl Ethyl Ketone)	ppbv	3,000		130,000	
2-Hexanone	ppbv	ND	U/UJ	2,500	
4-Methyl-2-pentanone	ppbv	20,000		64,000	
Acetone	ppbv	6,100		81,000	
Benzene	ppbv	35,000		63,000	
Bromodichloromethane	ppbv	ND	U	80	
Bromoform	ppbv	ND	U/UJ	ND	U/UJ
Bromomethane	ppbv	ND	U/UJ	71	/J
Carbon Disulfide	ppbv	190		ND	U/UJ
Carbon Tetrachloride	ppbv	ND	U	23	J/J
Chlorobenzene	ppbv	ND	U/UJ	ND	U/UJ
Chloroethane	ppbv	2,100		510	/J
Chloroform	ppbv	49,000		17,000	
Chloromethane	ppbv	110	J	340	/J
cis-1,2-Dichloroethene	ppbv	86,000		11,000	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U/UJ
Ethyl Benzene	ppbv	58,000		92,000	
m,p-Xylene	ppbv	210,000		340,000	
Methylene Chloride	ppbv	34,000	H/J	120,000	
o-Xylene	ppbv	92,000		130,000	
Styrene	ppbv	940		2,100	
Tetrachloroethene	ppbv	160,000		120,000	
Toluene	ppbv	190,000		820,000	H/J
trans-1,2-Dichloroethene	ppbv	660		460	/J
trans-1,3-Dichloropropene	ppbv	ND	U/UJ	ND	U/UJ
Trichloroethene	ppbv	69,000		91,000	
Vinyl Chloride	ppbv	9,900		930	/J
Total	**ppbv**	**1,151,020**		**2,253,654**	
Total	**lb/hr**	**14.849**		**53.581**	

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

Qualifiers:
J - Result is estimated
U - Below reported quantitation limit
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
UJ - Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
_/ - Laboratory data qualifier
/_ - Data validation qualifier

System	Date	Temp (F)	Flow (scfm)
On-site	11/15/07	100	721
Off-site	11/21/07	68	1,489

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.8
SBPA and Off-Site ISVE System Results
for Method TO-15 (VOCs) - November 2007
American Chemical Service
Griffith, Indiana

		Sampled 11/15/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	7,200		19,000	
1,1,2,2-Tetrachloroethane	ppbv	ND	U	ND	U
1,1,2-Trichloroethane	ppbv	39		150	
1,1-Dichloroethane	ppbv	1,800		2,900	
1,1-Dichloroethene	ppbv	87		74	
1,2-Dichloroethane	ppbv	190		500	
1,2-Dichloropropane	ppbv	150		120	
2-Butanone (Methyl Ethyl Ketone)	ppbv	210		14,000	
2-Hexanone	ppbv	34	J	190	
4-Methyl-2-pentanone	ppbv	1,000		5,200	
Acetone	ppbv	540		19,000	
Benzene	ppbv	1,200		6,900	
Bromodichloromethane	ppbv	41		ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	410		150	
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	530		54	
Chloroform	ppbv	2,300		1,500	
Chloromethane	ppbv	6	J	28	J
cis-1,2-Dichloroethene	ppbv	10,000		1,200	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	2,800		8,300	
m,p-Xylene	ppbv	9,700		44,000	
Methylene Chloride	ppbv	3,900		24,000	
o-Xylene	ppbv	4,600		18,000	
Styrene	ppbv	58		210	
Tetrachloroethene	ppbv	9,300		10,000	
Toluene	ppbv	10,000		6,100	
trans-1,2-Dichloroethene	ppbv	110		34	
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	5,000		9,600	
Vinyl Chloride	ppbv	2,200		110	
Total	**ppbv**	**73,405**		**191,320**	
Total	**lb/hr**	**0.932**		**4.577**	

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

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

System	Date	Temp (F)	Flow (scfm)
On-site	11/15/07	100	721
Off-site	11/21/07	70	1,489

Temperatures and flow rates reported correspond to instantaneous readings.

Table 3.9
SBPA and Off-Site ISVE System Results
for Method TO-15 (VOCs) - December 2007
American Chemical Service
Griffith, Indiana

		Sampled 12/11/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,1,1-Trichloroethane	ppbv	8,300		21,000	
1,1,2,2-Tetrachloroethane	ppbv	13	J	ND	U
1,1,2-Trichloroethane	ppbv	34		160	
1,1-Dichloroethane	ppbv	1,700		2,900	
1,1-Dichloroethene	ppbv	79		70	
1,2-Dichloroethane	ppbv	190		520	
1,2-Dichloropropane	ppbv	170		130	
2-Butanone (Methyl Ethyl Ketone)	ppbv	250		9,800	
2-Hexanone	ppbv	ND	U	110	J
4-Methyl-2-pentanone	ppbv	600		2,900	
Acetone	ppbv	320		31,000	
Benzene	ppbv	1,600		7,800	
Bromodichloromethane	ppbv	44		ND	U
Bromoform	ppbv	ND	U	ND	U
Bromomethane	ppbv	ND	U	ND	U
Carbon Disulfide	ppbv	470		190	
Carbon Tetrachloride	ppbv	ND	U	ND	U
Chlorobenzene	ppbv	ND	U	ND	U
Chloroethane	ppbv	510		62	
Chloroform	ppbv	3,400		1,500	
Chloromethane	ppbv	ND	U	21	J
cis-1,2-Dichloroethene	ppbv	22,000		1,200	
cis-1,3-Dichloropropene	ppbv	ND	U	ND	U
Dibromochloromethane	ppbv	ND	U	ND	U
Ethyl Benzene	ppbv	3,200		7,300	
m,p-Xylene	ppbv	13,000		53,000	
Methylene Chloride	ppbv	3,400		31,000	
o-Xylene	ppbv	7,600		11,000	
Styrene	ppbv	68		200	
Tetrachloroethene	ppbv	9,400		9,700	
Toluene	ppbv	11,000		67,000	
trans-1,2-Dichloroethene	ppbv	82		25	J
trans-1,3-Dichloropropene	ppbv	ND	U	ND	U
Trichloroethene	ppbv	5,600		10,000	
Vinyl Chloride	ppbv	3,200		130	
Total	**ppbv**	**96,230**		**268,718**	
Total	**lb/hr**	**1.163**		**6.019**	

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

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

System	Date	Temp (F)	Flow (scfm)
On-site	Average	100	700
Off-site	Average	70	1,450

Temperatures and flow rates reported correspond to instantaneous readings.

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

		Sampled 10/23/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	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	1	J	ND	U	ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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/R	ND	U/R	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3,3·-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3/4-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
4-Bromophenyl phenyl ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	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-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Acenaphthene	µg	0.21	J	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	13		4.3	J	1.5	J	NC	NC	NC
Butyl benzyl phthalate	µg	1.6	J	1.4	J	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
Diethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-butyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-octyl phthalate	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[1,2,3cd]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	ND	U	ND	U	ND	U	NC	NC	NC

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

		Sampled 10/23/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
Naphthalene	µg	0.47	J	0.51	J	ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**16.28**		**6.21**		**1.50**		**NC**	**NC**	**NC**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

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

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

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

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 11/15/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	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/R	ND	U/R	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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/R	ND	U/R	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3,3·-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3/4-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
4-Bromophenyl phenyl ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	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-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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	2.4	J	2.4	J	2.9	J	NC	NC	NC
Butyl benzyl phthalate	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
Diethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-butyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-octyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	2.2		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[1,2,3cd]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	ND	U	ND	U	ND	U	NC	NC	NC

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

		Sampled 11/15/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
Naphthalene	µg	0.22	J	0.4	J	ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U/R	ND	U/R	10	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**4.82**		**2.80**		**12.90**		**NC**	**NC**	**NC**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

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

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

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

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 12/11/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,2,4-Trichlorobenzene	µg	2.6	J	2.4	J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	12		9.5	J	ND	U	NC	NC	NC
1,3-Dichlorobenzene	µg	1.9	J	1.5	J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	3.2	J	2.4	J	ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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/R	ND	U/R	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	2.5	J	2.4	J	ND	U	NC	NC	NC
2-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3,3·-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3/4-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
4-Bromophenyl phenyl ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	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-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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	J	ND	J	4.9	J	NC	NC	NC
Butyl benzyl phthalate	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
Diethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-butyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-octyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Fluorene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Hexachlorobutadiene	µg	6.6	J	6.1	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[1,2,3cd]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	3.5	J	2.9	J	ND	U	NC	NC	NC

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

		Sampled 12/11/07								
		Therm-Ox 1						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
Naphthalene	µg	6.4		6.2		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**38.70**		**33.40**		**4.90**		**85.33%**	**87.34%**	**86.33%**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

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

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

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

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 10/23/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	1.6	J	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/R	ND	U/R	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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/R	ND	U/R	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3,3·-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3/4-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
4-Bromophenyl phenyl ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	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-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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	39		12		6.2	J	NC	NC	NC
Butyl benzyl phthalate	µg	1.2	J	ND	U	1.2	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
Diethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-butyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-octyl phthalate	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[1,2,3cd]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	ND	U	ND	U	ND	U	NC	NC	NC

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

		Sampled 10/23/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
Naphthalene	µg	1.5		0.38	J	ND	U	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**43.30**		**12.38**		**7.40**		**NC**	**NC**	**NC**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

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

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

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

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 11/15/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,2,4-Trichlorobenzene	µg	ND	U	0.92	J	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	21		20		ND	U	100.00%	100.00%	100.00%
1,3-Dichlorobenzene	µg	0.93	J	0.98	J	ND	U	NC	NC	NC
1,4-Dichlorobenzene	µg	3.6	J	3.1	J	ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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/R	ND	U/R	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	2	J	2.6	J	ND	U	NC	NC	NC
2-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3,3·-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3/4-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
4-Bromophenyl phenyl ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	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-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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	11		3.9	J	6.3	J	NC	NC	NC
Butyl benzyl phthalate	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
Diethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-butyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-octyl phthalate	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	1.9	J	1.9	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[1,2,3cd]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	9	J	9.3	J	ND	U	NC	NC	NC

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

		Sampled 11/15/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
Naphthalene	µg	16		16		0.42	J	NC	NC	NC
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**65.43**		**58.70**		**6.72**		**88.55%**	**89.73%**	**89.14%**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

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

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

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

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 12/11/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
1,2,4-Trichlorobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
1,2-Dichlorobenzene	µg	16		21		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	2.1	J	2.7	J	ND	U	NC	NC	NC
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	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/R	ND	U/R	ND	U/R	NC	NC	NC
2-Methylnaphthalene	µg	3.6	J	3.8	J	ND	U	NC	NC	NC
2-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
2-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
2-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3,3·-Dichlorobenzidine	µg	ND	U	ND	U	ND	U	NC	NC	NC
3/4-Methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
3-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
4-Bromophenyl phenyl ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R	ND	U/R	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-Nitroaniline	µg	ND	U	ND	U	ND	U	NC	NC	NC
4-Nitrophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Acenaphthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Acenaphthylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo[a]anthracene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo[a]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo[b]fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo[g,h,i]perylene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Benzo[k]fluoranthene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Bis(2-chloroethoxy)methane	µg	ND	U	ND	U	ND	U	NC	NC	NC
Bis(2-chloroethyl)ether	µg	ND	U	ND	U	ND	U	NC	NC	NC
Bis(2-ethylhexyl)phthalate	µg	1.7	J	3.4	J	35		NC	NC	NC
Butyl benzyl phthalate	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
Diethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Dimethyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-butyl phthalate	µg	ND	U	ND	U	ND	U	NC	NC	NC
Di-n-octyl phthalate	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	J	2.9	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[1,2,3cd]pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Isophorone	µg	13		19		ND	U	100.00%	100.00%	100.00%

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

		Sampled 12/11/07								
		Therm-Ox 2						Destruction Efficiency		
Compounds	**Units**	**Influent**		**Influent Dup**		**Effluent**		**Low**	**High**	**Average**
Naphthalene	µg	27		34		ND	U	100.00%	100.00%	100.00%
Nitrobenzene	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
N-Nitrosodiphenylamine	µg	ND	U	ND	U	ND	U	NC	NC	NC
Pentachlorophenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Phenanthrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Phenol	µg	ND	U/R	ND	U/R	ND	U/R	NC	NC	NC
Pyrene	µg	ND	U	ND	U	ND	U	NC	NC	NC
Total	µg	**65.80**		**86.80**		**35.00**		**46.81%**	**59.68%**	**53.24%**

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

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

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

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

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 10/23/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,2,4-Trichlorobenzene	µg	ND	U	ND	U
1,2-Dichlorobenzene	µg	0.87	J	ND	U
1,3-Dichlorobenzene	µg	ND	U	ND	U
1,4-Dichlorobenzene	µg	1.2	J	1.2	J
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R
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/R	ND	U/R
2-Methylnaphthalene	µg	ND	U	ND	U
2-Methylphenol	µg	ND	U/R	ND	U/R
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U/R	ND	U/R
3,3·-Dichlorobenzidine	µg	ND	U	ND	U
3/4-Methylphenol	µg	ND	U/R	ND	U/R
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R
4-Bromophenyl phenyl ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl phenyl ether	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U/R	ND	U/R
Acenaphthene	µg	ND	U	0.23	J
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	3.8	J	12	
Butyl benzyl phthalate	µg	1.1	J	1.2	J
Chrysene	µg	ND	U	ND	U
Dibenz[a,h]anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethyl phthalate	µg	ND	U	ND	U
Dimethyl phthalate	µg	ND	U	ND	U
Di-n-butyl phthalate	µg	ND	U	ND	U
Di-n-octyl phthalate	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[1,2,3cd]pyrene	µg	ND	U	ND	U
Isophorone	µg	ND	U	ND	U

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

		Sampled 10/23/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
Naphthalene	µg	0.68	J	0.26	J
Nitrobenzene	µg	ND	U	ND	U
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U
Pentachlorophenol	µg	ND	U/R	ND	U/R
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	ND	U/R	ND	U/R
Pyrene	µg	ND	U	ND	U
Total	µg	**7.65**		**14.89**	

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 11/15/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,2,4-Trichlorobenzene	µg	3.7	J	1.7	J
1,2-Dichlorobenzene	µg	18		27	
1,3-Dichlorobenzene	µg	2.2	J	1.1	J
1,4-Dichlorobenzene	µg	4.2	J	3.5	J
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R
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/R	ND	U/R
2-Methylnaphthalene	µg	3.6	J	8	J
2-Methylphenol	µg	ND	U/R	ND	U/R
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U/R	ND	U/R
3,3·-Dichlorobenzidine	µg	ND	U	ND	U
3/4-Methylphenol	µg	ND	U/R	ND	U/R
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R
4-Bromophenyl phenyl ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl phenyl ether	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U/R	ND	U/R
Acenaphthene	µg	ND	U	0.26	J
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	3	J	2.8	J
Butyl benzyl phthalate	µg	ND	U	1.3	J
Chrysene	µg	ND	U	ND	U
Dibenz[a,h]anthracene	µg	ND	U	ND	U
Dibenzofuran	µg	ND	U	ND	U
Diethyl phthalate	µg	ND	U	ND	U
Dimethyl phthalate	µg	ND	U	ND	U
Di-n-butyl phthalate	µg	ND	U	ND	U
Di-n-octyl phthalate	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	7.3	J	3.5	J
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno[1,2,3cd]pyrene	µg	ND	U	ND	U
Isophorone	µg	ND	U	28	

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

		Sampled 11/15/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
Naphthalene	µg	10		43	
Nitrobenzene	µg	ND	U	ND	U
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U
Pentachlorophenol	µg	ND	U/R	ND	U/R
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	ND	U/R	ND	U/R
Pyrene	µg	0.44	J	ND	U
Total	µg	**52.44**		**120.16**	

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

		Sampled 12/11/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
1,2,4-Trichlorobenzene	µg	1.6	J	ND	U
1,2-Dichlorobenzene	µg	6.5	J	4.8	J
1,3-Dichlorobenzene	µg	1.1	J	ND	U
1,4-Dichlorobenzene	µg	1.8	J	ND	U
2,4,5-Trichlorophenol	µg	ND	U/R	ND	U/R
2,4,6-Trichlorophenol	µg	ND	U/R	ND	U/R
2,4-Dichlorophenol	µg	ND	U/R	ND	U/R
2,4-Dimethylphenol	µg	ND	U/R	ND	U/R
2,4-Dinitrophenol	µg	ND	U/R	ND	U/R
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/R	ND	U/R
2-Methylnaphthalene	µg	1.7	J	ND	U
2-Methylphenol	µg	ND	U/R	ND	U/R
2-Nitroaniline	µg	ND	U	ND	U
2-Nitrophenol	µg	ND	U/R	ND	U/R
3,3·-Dichlorobenzidine	µg	ND	U	ND	U
3/4-Methylphenol	µg	ND	U/R	ND	U/R
3-Nitroaniline	µg	ND	U	ND	U
4,6-Dinitro-2-methylphenol	µg	ND	U/R	ND	U/R
4-Bromophenyl phenyl ether	µg	ND	U	ND	U
4-Chloro-3-methylphenol	µg	ND	U/R	ND	U/R
4-Chloroaniline	µg	ND	U	ND	U
4-Chlorophenyl phenyl ether	µg	ND	U	ND	U
4-Nitroaniline	µg	ND	U	ND	U
4-Nitrophenol	µg	ND	U/R	ND	U/R
Acenaphthene	µg	0.37	J	ND	U
Acenaphthylene	µg	14		7.3	
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	17		3.4	J
Butyl benzyl phthalate	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
Diethyl phthalate	µg	ND	U	ND	U
Dimethyl phthalate	µg	ND	U	ND	U
Di-n-butyl phthalate	µg	ND	U	ND	U
Di-n-octyl phthalate	µg	ND	U	ND	U
Fluoranthene	µg	ND	U	ND	U
Fluorene	µg	ND	U	ND	U
Hexachlorobenzene	µg	ND	U	ND	U
Hexachlorobutadiene	µg	5.2	J	ND	U
Hexachlorocyclopentadiene	µg	ND	U	ND	U
Hexachloroethane	µg	ND	U	ND	U
Indeno[1,2,3cd]pyrene	µg	ND	U	ND	U
Isophorone	µg	ND	U	3.3	J

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

		Sampled 12/11/07			
Compounds	**Units**	**SBPA ISVE**		**Off-Site ISVE**	
Naphthalene	µg	5.7		6.2	
Nitrobenzene	µg	ND	U	ND	U
N-Nitrosodi-n-propylamine	µg	ND	U	ND	U
N-Nitrosodiphenylamine	µg	ND	U	ND	U
Pentachlorophenol	µg	ND	U/R	ND	U/R
Phenanthrene	µg	ND	U	ND	U
Phenol	µg	ND	U/R	ND	U/R
Pyrene	µg	ND	U	ND	U
Total	µg	**54.97**		**25.00**	

Notes:

µg - Microgram

NC - Not calculated

ND - Non-detect

Qualifiers:

J - Result is estimated

U - Below reported quantitation limit

R - Result rejected

_/ - Laboratory data qualifier

/_ - Data validation qualifier

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-01	10/17/2007	26	51.0	47	
	11/20/2007	4	47.5	32	
	11/28/2007	Water	70.0	Water	Vacuum 60-80
	12/20/2007	Water	81.0	59	Vacuum 77-85
SVE-02	10/17/2007	7	51.0	32	
	11/20/2007	12	48.5	18	
	11/28/2007	Water	80.0	-	
	12/20/2007	Water	91.0	Water	
SVE-03	10/17/2007	8	51.0	32	
	11/20/2007	14	47.5	27	
	12/20/2007	-	-	-	
SVE-04	10/17/2007	8	51.5	33	
	11/20/2007	10	48.5	28	
	11/28/2007	Water	-	144	
	12/20/2007	Water	81.0	Water	
SVE-05	10/17/2007	10	51.5	33	
	11/20/2007	21	48.5	17	
	11/28/2007	Water	80.0	169	
	12/20/2007	1	82.5	Water	
SVE-06	10/17/2007	4	51.0	22	
	11/20/2007	20	47.5	10	
	12/20/2007	-	-	-	
SVE-07	10/17/2007	Water	51.0	39	
	11/20/2007	Water	47.5	23	
	11/28/2007	Water	47.5	-	Vacuum 40-55
	12/20/2007	Water	67.0	Water	
SVE-08	10/17/2007	Water	51.0	42	
	11/20/2007	Water	47.0	29	
	12/20/2007	-	-	-	
SVE-09	10/17/2007	176	51.0	38	
	11/20/2007	190	47.0	17	
	12/20/2007	4	2.0	-	
SVE-10	10/17/2007	7	51.0	30	
	11/20/2007	11	47.5	9	
	12/20/2007	-	-	-	
SVE-11	10/17/2007	215	50.5	44	
	11/20/2007	Water	47.0	18	
	12/20/2007	-	-	-	
SVE-12	10/17/2007	3	51.5	35	
	11/20/2007	29	48.0	21	
	12/20/2007	Water	61.0	Water	
SVE-13	10/17/2007	13	49.0	920	
	11/20/2007	Water	46.0	316	
	12/20/2007	-	-	-	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-14	10/17/2007	Water	50.0	870	
	11/20/2007	Water	46.5	Water	
	11/28/2007	Water	85.0	Water	
	12/20/2007	water	85.5	827	
SVE-15	10/17/2007	205	49.0	18	
	11/20/2007	400	45.0	22	
	12/20/2007	-	-	-	
SVE-16	10/17/2007	Water	49.0	1121	
	11/20/2007	Water	45.5	Water	
	11/28/2007	200	96.0	665	
	12/20/2007	205	81.0	62	Flow 180-230
SVE-17	10/17/2007	Water	49.5	156	
	11/20/2007	Water	47.0	26	
	12/20/2007	-	-	-	
SVE-18	10/17/2007	3	49.0	88	
	11/20/2007	25	46.0	350	
	12/20/2007	-	-	-	
SVE-19	10/17/2007	Water	49.0	126	
	11/20/2007	Water	45.0	34	
	12/20/2007	300	87.0	87	
SVE-20	10/17/2007	Water	48.0	70	
	11/20/2007	Water	45.5	22	
	11/28/2007	240	108.0	36	
	12/20/2007	120	37.0	40	
SVE-21	10/17/2007	Water	49.5	81	
	11/20/2007	Water	46.5	Water	
	12/20/2007	-	-	-	
SVE-22	10/17/2007	Water	48.0	1600	
	11/20/2007	Water	45.0	850	
	12/20/2007	141	85.5	630	
SVE-23	10/17/2007	7	28.0	2246	
	11/20/2007	14	36.5	1020	
	11/28/2007	32	42.0	1180	
	12/20/2007	13	41.0	975	
SVE-24	10/17/2007	139	49.0	1987	
	11/20/2007	Water	47.0	894	
	11/28/2007	Water	76.0	1061	
	12/20/2007	240	78.0	690	
SVE-25	10/17/2007	6	18.5	2350	
	11/20/2007	Water	45.0	404	
	11/28/2007	Water	85.0	1179	
	12/20/2007	365	84.0	418	
SVE-26	10/17/2007	53	48.5	72	
	11/20/2007	57	45.5	31	
	12/20/2007	35	86.5	357	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-27	10/17/2007	41	48.5	293	
	11/20/2007	60	45.0	153	
	11/28/2007	68	73.0	525	
	12/20/2007	109	86.0	106	
SVE-28	10/17/2007	28	49.0	538	
	11/20/2007	16	46.0	373	
	12/20/2007	Water	85.5	120	
SVE-29	10/17/2007	60	49.5	494	
	11/20/2007	40	47.0	294	
	12/20/2007	200	85.0	297	
SVE-30	10/17/2007	8	50.0	554	
	11/20/2007	26	47.0	260	
	12/20/2007	22	84.0	304	
SVE-31	10/17/2007	5	50.0	470	
	11/20/2007	12	47.5	354	
	12/20/2007	-	-	-	
SVE-32	10/17/2007	NM	NM	NM	Damaged header
	11/20/2007	27	46.5	350	
	11/28/2007	Water	62.0	314	
	12/20/2007	28	85.5	160	
SVE-33	10/17/2007	9	1.5	152	
	11/20/2007	20	45.0	168	
	12/20/2007	28	85.5	162	
SVE-34	10/17/2007	Water	48.0	678	
	11/20/2007	Water	45.0	654	
	12/20/2007	Water	85.5	465	
SVE-35	10/17/2007	14	50.0	182	
	11/20/2007	12	47.0	175	
	12/6/2007	16	72.0	330	
	12/20/2007	27	83.5	120	
SVE-36	10/17/2007	5	49.0	1006	
	11/20/2007	23	46.5	1455	
	12/20/2007	-	-	-	
SVE-37	10/17/2007	318	47.0	154	
	11/20/2007	Water	46.5	215	
	11/28/2007	Water	76.0	232	
	12/20/2007	16	85.5	132	
SVE-38	10/17/2007	18	50.0	1557	
	11/20/2007	40	47.0	683	
	11/28/2007	81	77.0	1070	
	12/20/2007	72	83.5	565	
SVE-39	10/17/2007	200	47.0	200	
	11/20/2007	210	44.0	260	
	11/28/2007	56	38.0	161	
	12/20/2007	87	34.0	135	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-40	10/17/2007	200	48.0	880	
	11/20/2007	Water	45.0	550	
	11/28/2007	51	41.0	820	Vacuum 38-44
	12/20/2007	55	33.0	425	
SVE-41	10/17/2007	10	50.0	400	
	11/20/2007	16	47.0	367	
	12/20/2007	330	81.5	215	
SVE-42	10/17/2007	7	49.0	530	
	11/20/2007	31	46.5	320	
	12/20/2007	24	85.0	160	
K-P Header 1	10/17/2007	-	49.0	188	
	11/20/2007	-	47.5	230	
	11/28/2007	-	76.0	330	
	12/6/2007	-	80.0	315	
	12/20/2007	-	90.0	52	
K-P-Header 2	10/17/2007	-	49.0	163	
	11/20/2007	-	46.5	220	
	11/28/2007	-	80.0	143	
	12/6/2007	-	85.0	120	
	12/20/2007	-	90.0	61	
OFCA Header 1	10/17/2007	-	47.5	750	
	11/20/2007	-	46.0	450	
	11/28/2007	-	72.0	750	
	12/6/2007	-	76.0	482	
	12/20/2007	-	86.0	190	
OFCA Header 2	10/17/2007	-	46.0	950	
	11/20/2007	-	45.0	550	
	11/28/2007	-	76.0	744	
	12/6/2007	-	80.0	390	
	12/20/2007	-	86.0	164	
OFCA Header 3	10/17/2007	-	48.0	335	
	11/20/2007	-	46.0	300	
	11/28/2007	-	73.0	438	
	12/6/2007	-	76.0	342	
	12/20/2007	-	87.5	165	

Notes:

"-" = data not collected

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

NM = Not measured, reason given in comments column

Flow was measured using a VelociCalc 8384 flow meter.

Vacuum pressures were measured with an Extech Manometer Model 407910.

Table 3.20
Off-Site In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - Fourth Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Date	KP1 Line Press (psia)	KP1 Flow (scfm)	KP1 Vac (" H_2O)	KP2 Line Press (psia)	KP2 Flow (scfm)	KP2 Vac (" H_2O)	OFCA1 Vac (" H_2O)	OFCA2 Vac (" H_2O)	OFCA3 Vac (" H_2O)	Dilution Flow (cfm)	Blower Inf Line Press (psia)	Blower Inf Flow (scfm)
10/17/2007	12.9	0	49	12.9	0	49	47.5	46	48	0	12.7	719
11/20/2007	13.0	366	47.5	13.0	366	46.5	46	45	46	0	12.9	1029
11/28/2007	11.9	NM	76	11.8	NM	80	72	76	73	0	11.8	NM
12/20/2007	11.5	NM	90	11.5	NM	90	86	86	87.5	0	11.5	693

Date	Blower Inf Vac (" H2O)	Blower Inf VOC (ppm)	Blower Inf Temp. (^oF)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (^oF)	Filter Diff Press (" H_2O)	Ambient Temperature (^oF)	Barometric Pressure ("Hg)	Humidity (%)
10/17/2007	55	NM	72	15.6	533	25.0	-	135	7.0	73	29.89	47%
11/20/2007	51	NM	66	15.7	939	27.0	-	118	7.5	50	29.92	94%
11/28/2007	80	NM	63	15.2	523	15.0	-	143	NM	48	29.89	62%
12/20/2007	90	NM	58	15.2	549	14.0	363	144	6.5	29	30.00	70%

Notes:

"-" = Data not collected
NM = Not measured for specific date due to system being down
cfm = Cubic feet per minute
" H_20 = Inches of water
ppm = Parts per million
VOCs = Volatile organic compounds
psia = Pounds per square inch, atmosphere
" Hg = Inches of mercury
^oF = Degrees Fahrenheit

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-43	10/17/2007	14	107.5	50	
	11/20/2007	Water	128.5	67	
	12/20/2007	55	116.5	74	
SVE-44	10/17/2007	10	0.0	-	Air injection well
	11/20/2007	Water	126.0	72	
	12/20/2007	Water	114.0	79	
SVE-45	10/17/2007	18	106.5	60	
	11/20/2007	16	128.0	69	
	12/20/2007	22	116.0	71	
SVE-46	10/17/2007	11	107.0	60	
	11/20/2007	Water	126.5	70	
	12/20/2007	17	116.0	74	
SVE-47	10/17/2007	15	107.5	272	
	11/20/2007	Water	130.0	203	
	12/20/2007	30	117.5	190	
SVE-48	10/17/2007	Water	106.5	342	
	11/20/2007	16	102.5	135	
	12/20/2007	Water	114.5	130	
SVE-49	10/17/2007	-	-	-	
	11/20/2007	12	128.5	90	
	12/20/2007	5	-	-	Air injection well
SVE-50	10/17/2007	24	107.5	269	
	11/20/2007	26	-	-	Air injection well
	12/20/2007	Water	116.5	152	
SVE-51	10/17/2007	25	108.0	49	
	11/20/2007	17	126.0	77	
	12/20/2007	-	-	-	
SVE-52	10/17/2007	-	-	-	
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	
SVE-53	10/17/2007	-	-	-	
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	
SVE-54	10/17/2007	-	-	-	
	11/20/2007	12	-	-	Air injection well
	12/20/2007	Water	114.5	140	
SVE-55	10/17/2007	33	108.0	425	
	11/20/2007	51	128.5	35	
	12/20/2007	39	116.0	95	
SVE-56	10/17/2007	43	107.5	226	
	11/20/2007	20	122.5	24	
	12/20/2007	30	116.5	86	
SVE-57	10/17/2007	224	104.0	75	
	11/20/2007	Water	126.5	24	
	12/20/2007	17	114.0	89	
SVE-58	10/17/2007	Water	137.0	302	
	11/20/2007	Water	128.5	29	
	12/20/2007	Water	121.5	110	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-59	10/17/2007	7	2.4	-	Air injection well
	11/20/2007	Water	127.0	75	
	12/20/2007	Water	115.0	119	
SVE-60	10/17/2007	Water	139.0	396	
	11/20/2007	Water	133.0	47	
	12/20/2007	Water	124.0	67	
SVE-61	10/17/2007	-	-	-	
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	
SVE-62	10/17/2007	-	-	-	
	11/20/2007	-	-	-	
	12/20/2007	19	0.0	1130	
SVE-63	10/17/2007	Water	106.0	64	
	11/20/2007	Water	120.0	40	
	12/20/2007	11	20.0	65	
SVE-64	10/17/2007	13	107.0	1640	
	11/20/2007	21	125.5	20	
	12/20/2007	-	-	-	
SVE-65	10/17/2007	-	-	-	
	11/20/2007	NM	NM	NM	Down for repairs
	12/20/2007	-	-	-	
SVE-66	10/17/2007	20	107.0	487	
	11/20/2007	28	126.5	23	
	12/20/2007	37	117.5	81	
SVE-67	10/17/2007	Water	107.0	366	
	11/20/2007	Water	125.0	24	
	12/20/2007	Water	114.0	84	
SVE-68	10/17/2007	25	106.0	119	
	11/20/2007	Water	128.0	25	
	12/20/2007	130	116.0	75	Flow 80-180
SVE-69	10/17/2007	NM	NM	NM	Down for repairs
	11/20/2007	NM	NM	NM	Down for repairs
	12/20/2007	43	112.0	80	
SVE-70	10/17/2007	Water	105.5	56	
	11/20/2007	57	130.5	31	
	12/20/2007	108	122.5	74	
SVE-71	10/17/2007	Water	139.5	175	
	11/20/2007	45	132.5	43	
	12/20/2007	4	-	-	Air injection well
SVE-72	10/17/2007	-	-	-	
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	
SVE-73	10/17/2007	-	-	-	
	11/20/2007	37	-	-	Air injection well
	12/20/2007	-	-	-	
SVE-74	10/17/2007	48	138.5	2883	
	11/20/2007	36	121.0	1281	
	12/20/2007	37	124.5	290	
SVE-75	10/17/2007	Water	106.5	243	
	11/20/2007	Water	129.0	21	
	12/20/2007	Water	114.5	67	

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

Well ID	Date	Flow (cfm)	Vac (" H_2O)	VOCs (ppm)	Comments
SVE-76	10/17/2007	35	106.0	135	
	11/20/2007	33	127.5	22	
	12/20/2007	25	116.5	66	
SVE-77	10/17/2007	17	0.0	-	Air injection well
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	
SVE-78	10/17/2007	Water	108.0	259	
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	
SVE-79	10/17/2007	NM	NM	NM	Down for repairs
	11/20/2007	-	-		
	12/20/2007	33	124.0	61	
SVE-80	10/17/2007	7	1.2	-	Air injection well
	11/20/2007	Water	128.5	34	
	12/20/2007	60	120.5	65	
SVE-81	10/17/2007	26	139.0	430	
	11/20/2007	8	-	-	Air injection well
	12/20/2007	40	124.0	83	
SVE-82	10/17/2007	Water	138.5	185	
	11/20/2007	Water	132.5	39	
	12/20/2007	0	-	-	Air injection well
SVE-83	10/17/2007	Water	135.5	461	
	11/20/2007	Water	130.0	55	
	12/20/2007	Water	124.0	150	
SVE-84	10/17/2007	19	0.0	-	Air injection well
	11/20/2007	Water	132.5	60	
	12/20/2007	-	-	-	
SVE-85	10/17/2007	44	138.5	1309	
	11/20/2007	Water	132.5	731	
	12/20/2007	22	123.5	220	
SVE-86	10/17/2007	15	139.0	265	
	11/20/2007	15	132.5	150	
	12/20/2007	20	124.5	102	
SVE-87	10/17/2007	Water	139.0	238	
	11/20/2007	Water	125.0	320	
	12/20/2007	Water	122.5	86	
SVE-88	10/17/2007	-	-	-	
	11/20/2007	-	-	-	
	12/20/2007	-	-	-	

Notes:

"-" = data not collected

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

NM = Not measured, reason given in comments column

Flow was measured using a VelociCalc 8384 flow meter.

Vacuum pressures were measured with an Extech Manometer Model 407910.

Table 3.22
SBPA In-Situ Soil Vapor Extraction (ISVE) System Header Monitoring Data - Fourth Quarter 2007
American Chemical Service NPL Site
Griffith, Indiana

Date	North Header			South Header			Dilution	Blower Inf	Blower Inf	Blower Inf	Blower Inf
	Line Press (psia)	Flow (scfm)	Vac (" H_2O)	Line Press (psia)	Flow (scfm)	Vac (" H_2O)	Flow (cfm)	Line Press (psia)	Flow (scfm)	Vac (" H2O)	VOC (ppm)
10/17/2007	9.9	549	135.0	9.7	0	139.5	0	11.1	1346	100	NM
11/20/2007	10.0	641	130.5	9.9	451	133.5	0	11.1	3041	100	NM
12/20/2007	10.2	725	127.0	10.0	853	130.0	0	14.7	NM	0	NM

Date	Blower Inf Temp. (^oF)	Blower Eff Line Press (psia)	Blower Eff Flow (scfm)	Blower Eff Press (" H_2O)	Blower Eff VOC (ppm)	Blower Eff Temp. (^oF)	Filter Diff Press (" H_2O)	Ambient Temperature (^oF)	Barometric Pressure ("Hg)	Humidity (%)
10/17/2007	72	16.3	726	43.5	NM	210	8.0	55	29.98	100%
11/20/2007	68	16.3	738	43.0	NM	188	5.0	48	29.99	93%
12/20/2007	63	16.3	990	44.0	NM	172	5.0	29	30.00	70%

Notes:

"-" = Data not collected

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

cfm = Cubic feet per minute

" H_20 = Inches of water

ppm = Parts per million

VOCs = Volatile organic compounds

psia = Pounds per square inch, atmosphere

" Hg = Inches of mercury

^oF = Degrees Fahrenheit

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

Upper Aquifer Wells

Well Designation	Reference Points			12/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOIC	Level	Elevation		
MW11	6377	7329	640.47	6.17	634.30		n/a
MW13	5050	7814	634.08	2.79	631.29		n/a
MW37	5395	7976	636.78	4.34	632.44		n/a
MW46	4526	7424	633.32	2.41	630.91		n/a
MW48	5669	7814	636.36	3.85	632.51		n/a
MW49	5551	7650	637.00	4.26	632.74		n/a

Staff Gauges & Piezometers

Well Designation	Reference Points			12/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOSG	Level	Elevation		
P23	4689	7018	636.18	5.06	631.12		n/a
P25	5131	7510	633.33	1.40	631.93		n/a
P26	4764	7309	634.23	3.43	630.80		n/a
P27	4904	7020	639.70	9.17	630.53		n/a
P28	5883	7486	644.53	11.28	633.25		n/a
P32	5746	7026	642.32	11.42	630.90		n/a
P40	5931	7241	638.77	4.76	634.01		n/a
P41	5663	7377	637.23	3.33	633.90		n/a
P49	5145	6949	638.98	10.24	628.74		n/a
SG13	4819	7209	631.53	5.25	630.78	TOSG = 6.0' mark	n/a

PGCS Piezometer Sets

Well Designation	Reference Points			12/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOC	Level	Elevation		
P81	5577	7581	636.19	3.65	632.54		n/a
P82	5577	7572	635.77	3.59	632.18		n/a
P83	5577	7561.6	635.95	3.27	632.68		n/a
P84	5322	7603	634.35	2.41	631.94		n/a
P85	5326	7594	634.08	2.03	632.05		n/a
P86	5329	7585	634.41	2.32	632.09		n/a
P87	5121	7466	633.88	2.97	630.91		n/a
P88	5130	7460	633.90	2.36	631.54		n/a
P89	5137	7454	634.02	2.40	631.62		n/a
P90	4881	7152	634.45	3.44	631.01		n/a
P91	4889	7145	634.59	3.82	630.77		n/a
P92	4896	7138.1	633.87	3.15	630.72		n/a

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

BWES Water Level and Piezometer Pairs

Well Designation	Reference Points			12/13/2007		Notes	Difference Across Barrier Wall (if applicable)[1]
	East	North	TOC	Level	Elevation		
P93R - Outside BW	n/a	n/a	639.05	7.59	631.46	Installed Nov. 2004	-2.70
P94R - Inside BW	n/a	n/a	640.99	12.23	628.76	Installed Nov. 2004	
P95 - Outside BW	5146	6532	638.58	5.33	633.25		-7.78
P96 - Inside BW	5156	6537	641.26	15.79	625.47		
P105 - Outside BW	5885	6678	638.86	4.22	634.64		-6.75
P106 - Inside BW	5871	6685	638.10	10.21	627.89		
P107 - Outside BW	5766	7339	637.42	3.89	633.53		-2.48
P108 - Inside BW	5757	7324	638.13	7.08	631.05		
P109 - Outside BW	5740	6387	644.30	10.14	634.16		-6.96
P110 - Inside BW	5705	6382	647.68	20.48	627.20		
P111 - Outside BW	5551	5950	650.03	16.81	633.22		-6.58
P112 - Inside BW	5525	5960	653.36	26.72	626.64		
P113 - Inside BW	5309	5693	657.53	30.34	627.19		NM
ORCPZ102 - Outside BW	5331	5612	652.47	NM	NM	Landfill gate closed	
P114 - Inside BW	5035	5729	653.69	26.00	627.69		-4.89
P115 - Outside BW	4970	5708	652.50	19.92	632.58		
P116 - Inside BW	5031	6087	646.26	19.02	627.24		-6.41
P117 - Outside BW	5014	6087	643.93	10.28	633.65		
P118 - Inside BW	5402	6539	645.52	18.72	626.80		n/a

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TOIC = top of inner casing

TOC = top of casing

TOSG = top of staff gauge

n/a = not applicable

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

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

Date	On-Site Area					
	Target Level	P-29	P-31	P-32	P-36	P-49
10/12/2007	629.0	630.4	630.9	632.1	627.2	629.7
10/19/2007	629.0	630.4	630.9	631.4	627.5	630.0
11/9/2007	629.0	630.4	630.9	631.1	626.7	629.3
11/21/2007	629.0	630.4	630.9	630.6	624.9	628.5
12/14/2007	629.0	630.4	630.9	630.9	624.9	628.8
12/28/2007	629.0	630.4	630.9	631.0	624.9	628.4

Date	Off-Site Area										
	Target Level	P-96	P-110	P-112	P-113	P-114	P-116	P-118	AS-7	AS-8	AS-9
10/12/2007	626.0	622.6	627.9	627.4	627.8	628.4	628.3	627.5	NM	NM	NM
10/19/2007	626.0	623.4	628.1	627.4	627.2	627.6	627.5	627.5	NM	NM	NM
11/9/2007	626.0	622.0	627.5	627.2	627.7	628.2	628.1	627.2	NM	NM	NM
11/20/2007	626.0	NM	NM	NM	NM	NM	NM	NM	628.09	627.07	627.25
11/21/2007	626.0	622.3	627.4	627.0	627.6	628.0	627.7	627.0	NM	NM	NM
12/14/2007	626.0	622.6	627.2	626.7	627.2	627.7	627.3	626.8	NM	NM	NM
12/20/2007	626.0	NM	NM	NM	NM	NM	NM	NM	619.74	626.98	623.85
12/28/2007	626.0	622.0	627.0	626.7	627.1	627.4	627.1	626.5	NM	NM	NM

Notes:
All water level elevations are in feet AMSL.

FIGURES

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

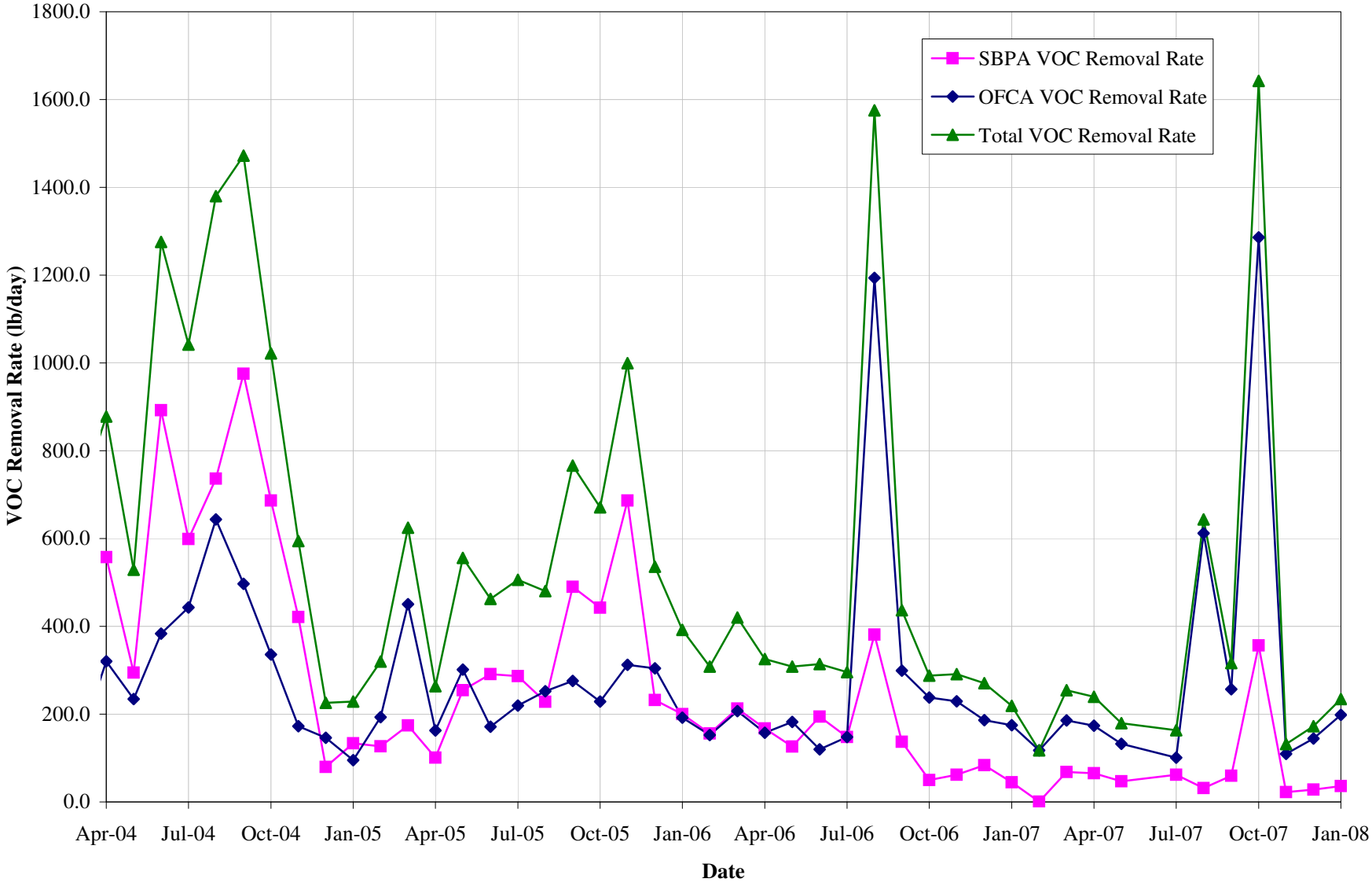
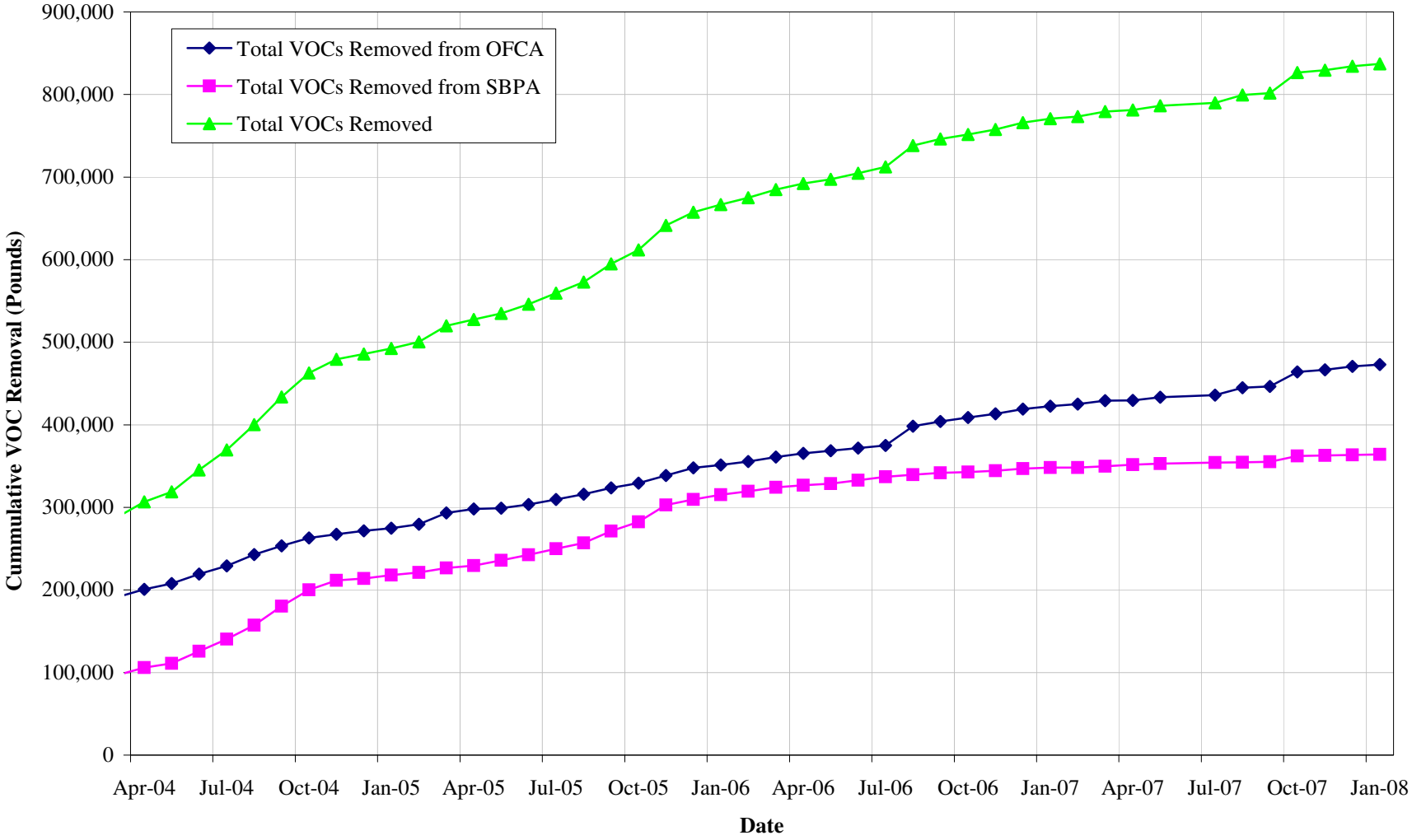
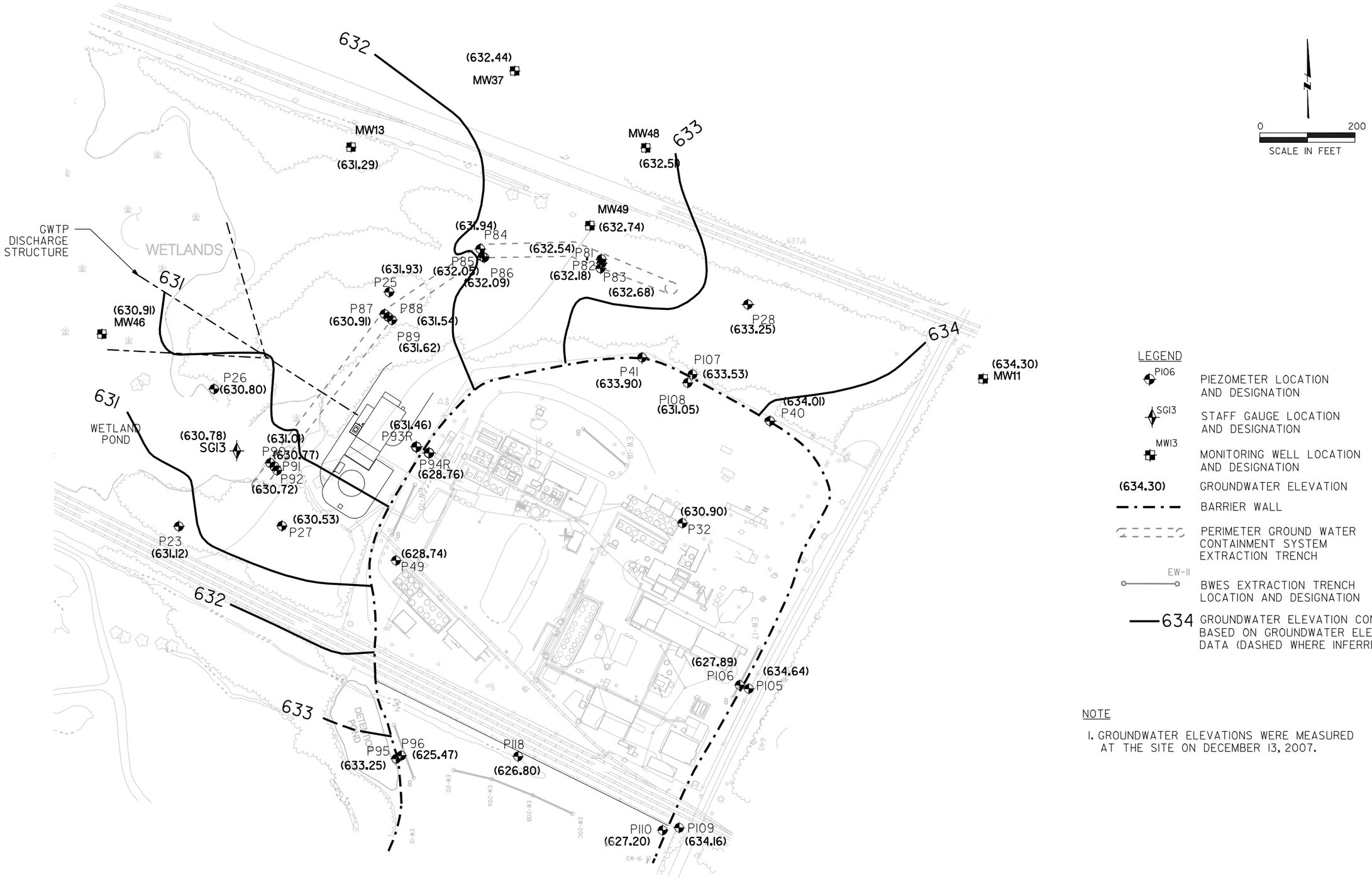


Figure 3.2
Total VOCs Removed
American Chemical Services NPL Site, Griffith, IN





LEGEND

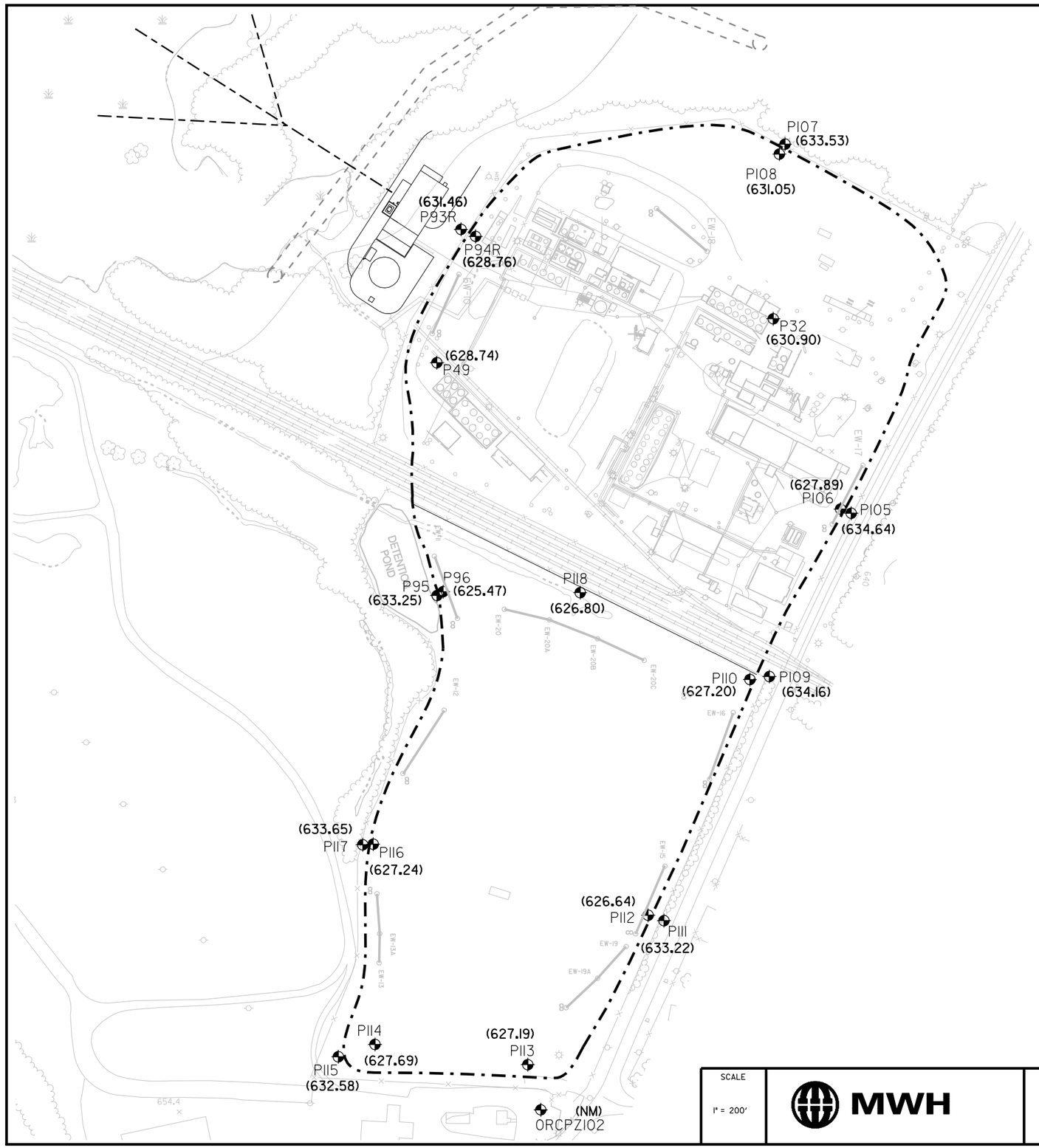
- PI06 — PIEZOMETER LOCATION AND DESIGNATION
- SG13 — STAFF GAUGE LOCATION AND DESIGNATION
- MW13 — MONITORING WELL LOCATION AND DESIGNATION
- (634.30) — GROUNDWATER ELEVATION
- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM EXTRACTION TRENCH
- EW-11 — BWES EXTRACTION TRENCH LOCATION AND DESIGNATION
- 634 — GROUNDWATER ELEVATION CONTOUR BASED ON GROUNDWATER ELEVATION DATA (DASHED WHERE INFERRED)

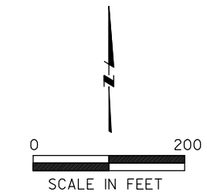
NOTE

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

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

JOB No. MW Job No. FILE: \\uschi4s02\warrenville\Jobs\405\0577 ACS\Master Drawings folder\2010\4th Quarter 2007\Figure 6.1Dec07.dgn Plot Date 04-FEB-2008 07:47 QC : JDP/CAS





LEGEND

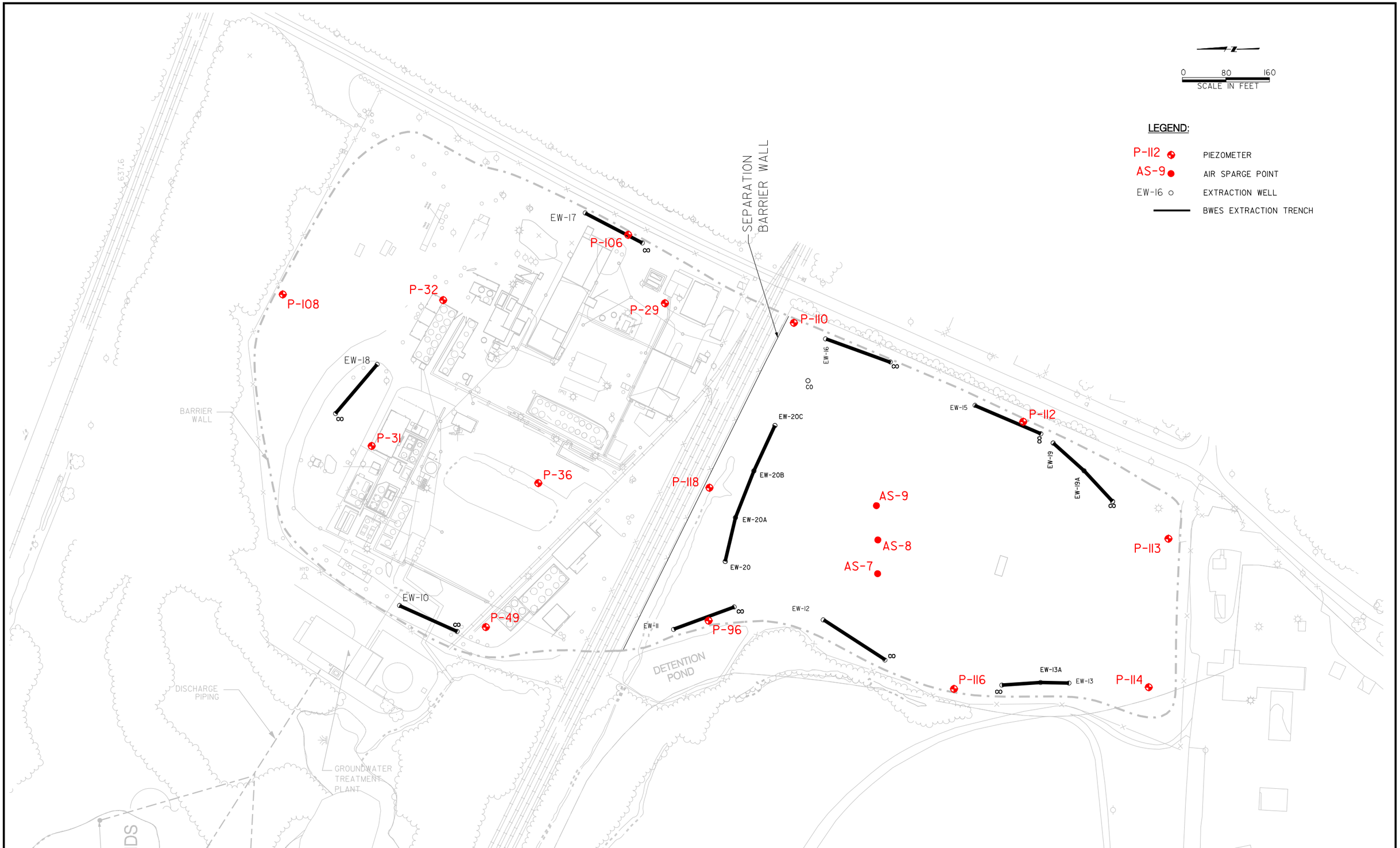
PI06	PIEZOMETER LOCATION AND DESIGNATION
ORCPZI02	ORC PIEZOMETER LOCATION AND DESIGNATION
(634.64)	GROUNDWATER ELEVATION
(NM)	NOT MEASURED
	BARRIER WALL
EW-II	BWES EXTRACTION TRENCH LOCATION AND DESIGNATION
	PERIMETER GROUND WATER CONTAINMENT SYSTEM EXTRACTION TRENCH

NOTES

1. GROUNDWATER ELEVATIONS WERE MEASURED AT THE SITE ON DECEMBER 13, 2007.
2. ORCPZI02 WAS NOT MEASURED DUE TO LANDFILL GATE BEING CLOSED.

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

JOB No. MW Job No. FILE: \\uschl4s02\warrenville\Jobs\405\0577 ACS\Master Drawings folder\0201\4th Quarter 2007\Figure 6.2 Dec07.dgn Plot Date: 03-JAN-2008 10:42 DPP/JEF



REV	DATE	BY	DESCRIPTION

SCALE: AS SHOWN

DESIGNED RAA
DRAWN CAD
CHECKED

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

MWH MONTGOMERY WATSON HARZA

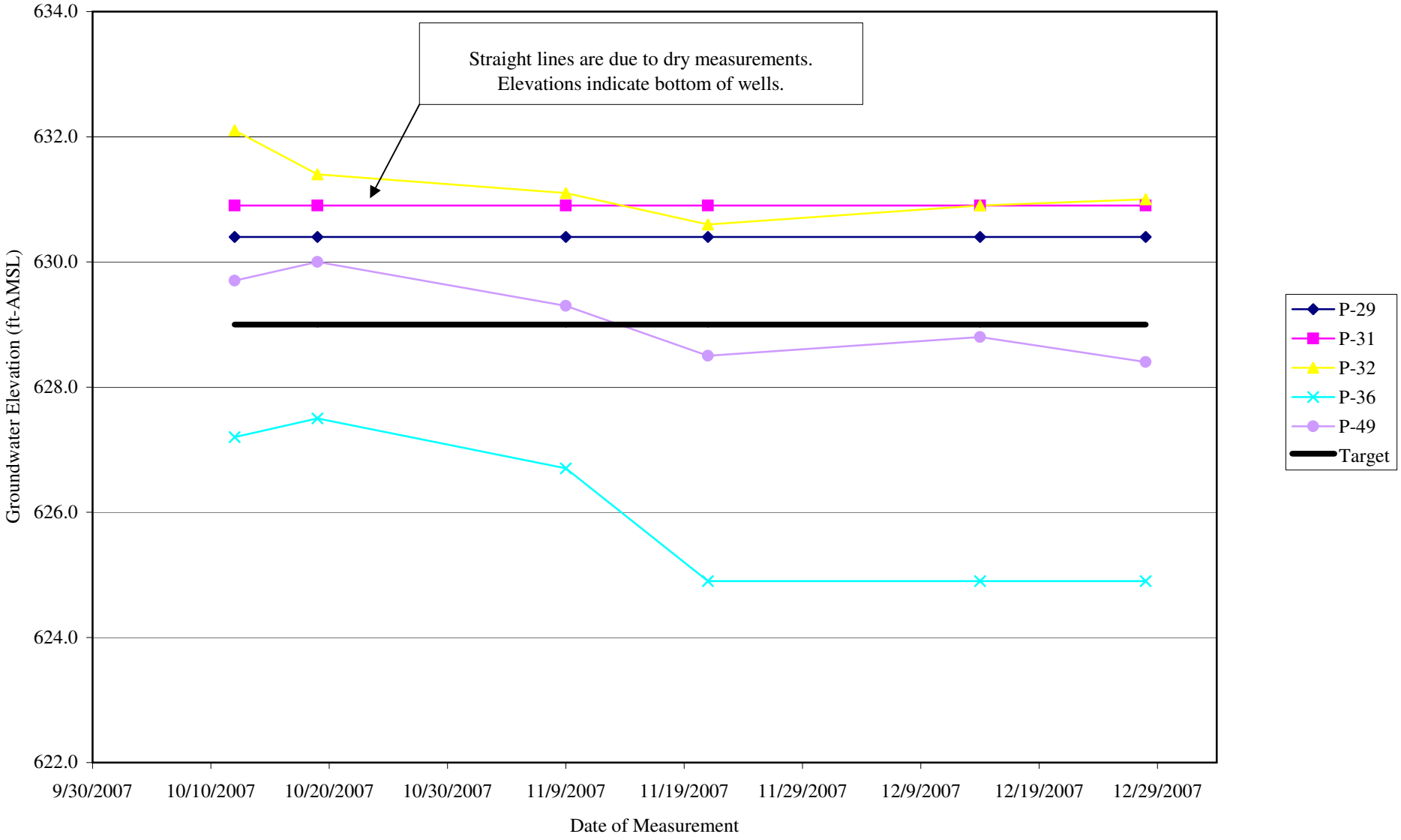
AMERICAN CHEMICAL SERVICE SUPERFUND SITE
GRIFFITH, INDIANA

GROUNDWATER LEVEL MEASURING LOCATIONS

FIGURE 6.3

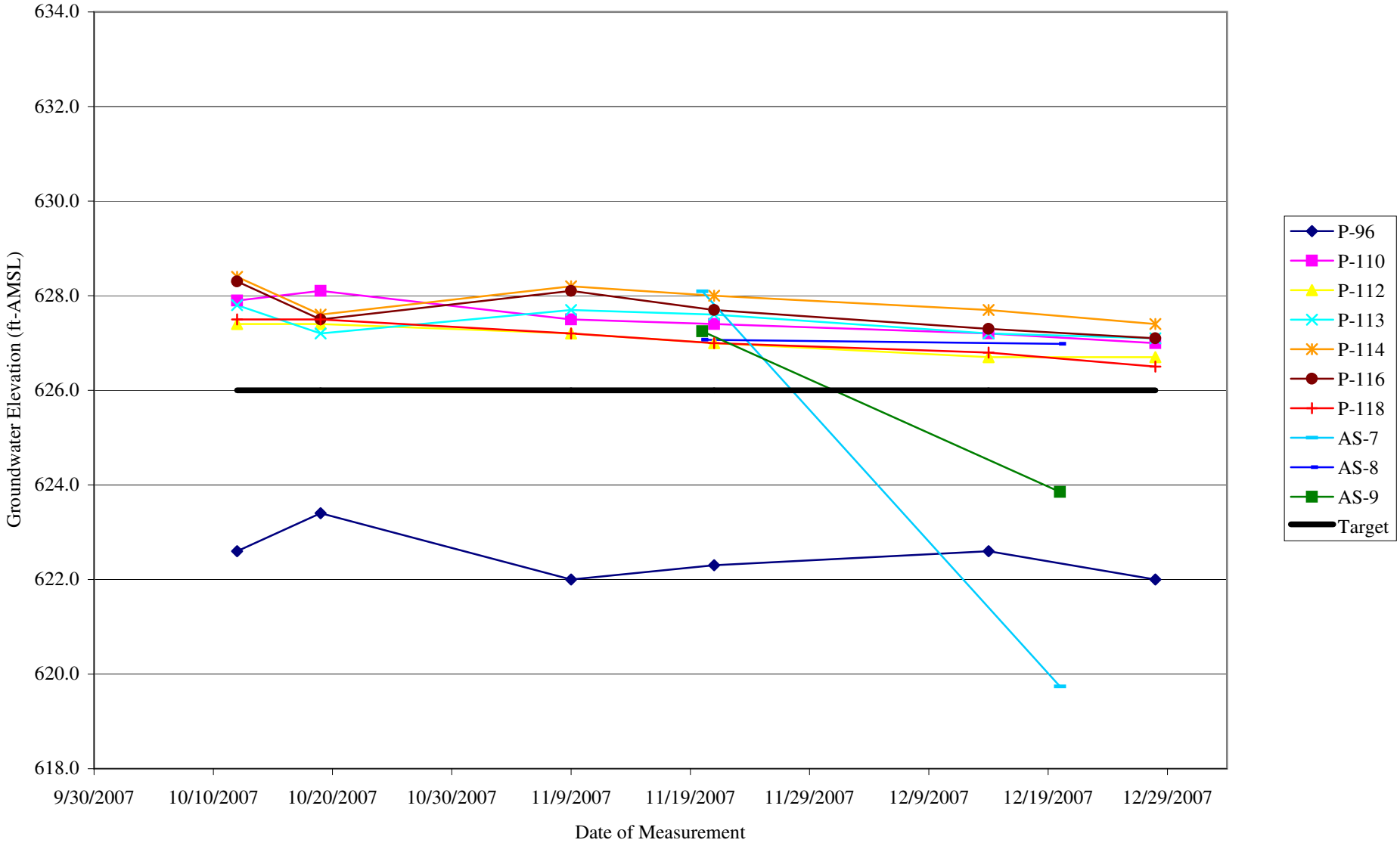
File: J:/405/0577 ACS/master cadd files/020I/3rd quarter 2006/figure63.dgn Plot Date: 19-MAR-2007 11:34

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



JEF/CAD
J:\405\0577 ACS\0201 Engr\05770201a106.xls\SBPA GW Trends

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



JEF/CAD
J:\405\0577 ACS\0201 Engr\05770201a106.xls\Off-Site GW Trends

APPENDIX A

EFFLUENT ANALYTICAL DATA

October 4, 2007 Compliance Sample
Laboratory Results

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ANALYTICAL RESULTS

Date: *Friday, October 12, 2007*

Client: MWH, Inc.
Client Project: Oct 2007 - Quarterly GWTP / ACS
Client Sample ID: Effluent
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710205-01
Collection Date: 10/04/07 09:40
Date Received: 10/04/07 12:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PCB'S	Method:	**SW8082**			Prep Date/Time:	**10/09/07 14:45**	Analyst:	**ALS**
Aroclor 1016	A	***ND***	0.00011	0.00052		mg/L	1	10/12/07 05:51
Aroclor 1221	A	***ND***	0.00052	0.00052		mg/L	1	10/12/07 05:51
Aroclor 1232	A	***ND***	0.00052	0.00052		mg/L	1	10/12/07 05:51
Aroclor 1242	A	***ND***	0.00010	0.00052		mg/L	1	10/12/07 05:51
Aroclor 1248	A	***ND***	0.00015	0.00052		mg/L	1	10/12/07 05:51
Aroclor 1254	A	***ND***	0.00018	0.00052		mg/L	1	10/12/07 05:51
Aroclor 1260	A	***ND***	0.00011	0.00052		mg/L	1	10/12/07 05:51
Surr: Tetrachloro-m-xylene	S	75.0	0	7.58-153		%REC	1	10/12/07 05:51
Surr: Decachlorobiphenyl	S	80.0	0	15.4-169		%REC	1	10/12/07 05:51
TOTAL METALS	Method:	**SW6010B**			Prep Date/Time:	**10/05/07 08:40**	Analyst:	**AVC**
Arsenic	A	***ND***	0.0025	0.010		mg/L	1	10/08/07 11:15
Beryllium	A	***ND***	00000000014	0.0010		mg/L	1	10/08/07 11:15
Cadmium	A	***ND***	0.00030	0.0020		mg/L	1	10/08/07 11:15
Manganese	A	***0.0013***	0.00030	0.0020	J	mg/L	1	10/08/07 11:15
Selenium	A	***ND***	0.0053	0.030		mg/L	1	10/08/07 11:15
Thallium	A	***ND***	0.0043	0.050		mg/L	1	10/08/07 11:15
Zinc	A	***ND***	0.0073	0.020		mg/L	1	10/08/07 11:15
TOTAL METALS	Method:	**SW7470A**			Prep Date/Time:	**10/06/07 10:35**	Analyst:	**AVC**
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:26
SEMIVOLATILE ORGANICS	Method:	**SW8270C**			Prep Date/Time:	**10/06/07 08:30**	Analyst:	**BEM**
Bis(2-ethylhexyl)phthalate	A	***0.00097***	0.00055	0.0050	J	mg/L	1	10/08/07 22:56
Bis(2-chloroethyl)ether	A	***ND***	0.00045	0.0050		mg/L	1	10/08/07 22:56
Isophorone	A	***ND***	0.00050	0.0050		mg/L	1	10/08/07 22:56
3/4-Methylphenol	A	***ND***	0.00040	0.0050		mg/L	1	10/08/07 22:56
Pentachlorophenol	A	***ND***	0.00065	0.025		mg/L	1	10/08/07 22:56
Surr: Nitrobenzene-d5	S	63.0	0	10-121		%REC	1	10/08/07 22:56
Surr: 2-Fluorobiphenyl	S	65.1	0	10-109		%REC	1	10/08/07 22:56
Surr: Terphenyl-d14	S	93.0	0	10-130		%REC	1	10/08/07 22:56
Surr: Phenol-d5	S	25.9	0	10-100		%REC	1	10/08/07 22:56
Surr: 2-Fluorophenol	S	40.0	0	10-84.7		%REC	1	10/08/07 22:56
Surr: 2,4,6-Tribromophenol	S	78.5	0	10-120		%REC	1	10/08/07 22:56
VOC'S	Method:	**SW8260B**			Prep Date/Time:		Analyst:	**NLT**
Acetone	A	***0.0027***	0.0020	0.0050	J	mg/L	1	10/11/07 11:30

J

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11/30/07

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ANALYTICAL RESULTS

Date: *Friday, October 12, 2007*

Client: MWH, Inc.
Client Project: Oct 2007 - Quarterly GWTP / ACS
Client Sample ID: Effluent
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710205-01
Collection Date: 10/04/07 09:40
Date Received: 10/04/07 12:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**NLT**
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/11/07 11:30
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/11/07 11:30
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/11/07 11:30
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/11/07 11:30
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/11/07 11:30
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/11/07 11:30
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/11/07 11:30
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/11/07 11:30
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/11/07 11:30
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/11/07 11:30
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/11/07 11:30
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/11/07 11:30
Surr: 4-Bromofluorobenzene	S	90.6	0	74.3-123		%REC	1	10/11/07 11:30
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 11:30
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/11/07 11:30
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 11:30
BOD, 5 DAY	Method:	**5210B_18ED**		Prep Date/Time: **10/04/07 11:30**			Analyst:	**BJH**
Biochemical Oxygen Demand	A	***4.2***	2.0	2.0		mg/L	1	10/04/07 11:30
PH	Method:	**4500H B/9040C**		Prep Date/Time:			Analyst:	**RJC**
pH	A	***7.24***	0.02	0.02	H	pH units	1	10/04/07 23:10
TOTAL SUSPENDED SOLIDS	Method:	**2540D_18ED**		Prep Date/Time:			Analyst:	**TMG**
Total Suspended Solids	A	***ND***	1.0	1.0		mg/L	1	10/09/07 08:38

KJ

J

11/20/07

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ANALYTICAL RESULTS

Date: *Friday, October 12, 2007*

Client: MWH, Inc.
Client Project: Oct 2007 - Quarterly GWTP / ACS
Client Sample ID: Trip Blanks
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710205-02
Collection Date: 10/04/07 09:40
Date Received: 10/04/07 12:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**	
Acetone	A	ND	0.0020	0.0050		mg/L	1	10/11/07 12:02	UJ
Benzene	A	ND	0.00030	0.0010		mg/L	1	10/11/07 12:02	
2-Butanone	A	ND	0.0015	0.0020		mg/L	1	10/11/07 12:02	UJ
Chloromethane	A	ND	0.00030	0.0020		mg/L	1	10/11/07 12:02	
1,1-Dichloroethane	A	ND	0.00030	0.0010		mg/L	1	10/11/07 12:02	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/11/07 12:02	
Ethylbenzene	A	ND	0.00020	0.0010		mg/L	1	10/11/07 12:02	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0010		mg/L	1	10/11/07 12:02	
Methylene chloride	A	ND	0.00070	0.0020		mg/L	1	10/11/07 12:02	
Tetrachloroethene	A	ND	0.00040	0.0010		mg/L	1	10/11/07 12:02	
Trichloroethene	A	ND	0.00030	0.0010		mg/L	1	10/11/07 12:02	
Vinyl chloride	A	ND	0.00040	0.0020		mg/L	1	10/11/07 12:02	
1,4-Dichlorobenzene	A	ND	0.00020	0.0010		mg/L	1	10/11/07 12:02	
Surr: 4-Bromofluorobenzene	S	91.2	0	74.3-123		%REC	1	10/11/07 12:02	
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 12:02	
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/11/07 12:02	
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 12:02	

11/30/07

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November 15, 2007 Compliance Sample
Laboratory Results

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ANALYTICAL RESULTS

Date: *Monday, November 26, 2007*

Client: MWH, Inc.
Client Project: GWTP - Monthly / ACS
Client Sample ID: Effluent
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0711610-01
Collection Date: 11/15/07 11:05
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***0.0042***	0.0020	0.0050	J	mg/L	1	11/20/07 22:48
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	11/20/07 22:48
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	11/20/07 22:48
Chloromethane	A	***0.017***	0.00030	0.0020		mg/L	1	11/20/07 22:48
1,1-Dichloroethane	A	***0.00047***	0.00030	0.0010	J	mg/L	1	11/20/07 22:48
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	11/20/07 22:48
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	11/20/07 22:48
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	11/20/07 22:48
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	11/20/07 22:48
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	11/20/07 22:48
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	11/20/07 22:48
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	11/20/07 22:48
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	11/20/07 22:48
Surr: 4-Bromofluorobenzene	S	100	0	74.3-123		%REC	1	11/20/07 22:48
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	11/20/07 22:48
Surr: 1,2-Dichloroethane-d4	S	119	0	77.9-126		%REC	1	11/20/07 22:48
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	11/20/07 22:48

PH	Method:	**4500H B/9040C**		Prep Date/Time:				Analyst: **RJC**
pH	A	***7.81***	0.02	0.02	H	pH units	1	11/15/07 21:20

11/14/07

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ANALYTICAL RESULTS

Date: *Monday, November 26, 2007*

Client: MWH, Inc.
Client Project: GWTP - Monthly / ACS
Client Sample ID: Effluent
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0711610-01
Collection Date: 11/15/07 11:05
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***0.0042***	0.0020	0.0050	J	mg/L	1	11/20/07 22:48
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	11/20/07 22:48
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	11/20/07 22:48
Chloromethane	A	***0.017***	0.00030	0.0020		mg/L	1	11/20/07 22:48
1,1-Dichloroethane	A	***0.00047***	0.00030	0.0010	J	mg/L	1	11/20/07 22:48
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	11/20/07 22:48
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	11/20/07 22:48
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	11/20/07 22:48
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	11/20/07 22:48
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	11/20/07 22:48
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	11/20/07 22:48
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	11/20/07 22:48
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	11/20/07 22:48
Surr: 4-Bromofluorobenzene	S	100	0	74.3-123		%REC	1	11/20/07 22:48
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	11/20/07 22:48
Surr: 1,2-Dichloroethane-d4	S	119	0	77.9-126		%REC	1	11/20/07 22:48
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	11/20/07 22:48

PH	Method:	**4500H B/9040C**		Prep Date/Time:				Analyst: **RJC**
pH	A	***7.81***	0.02	0.02	H	pH units	1	11/15/07 21:20

11/14/07

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December 11, 2007 Compliance Sample
Laboratory Results

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ANALYTICAL RESULTS

Date: *Tuesday, December 18, 2007*

Client: MWH, Inc.
Client Project: GWTP - Monthly / ACS
Client Sample ID: Effluent
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0712442-01
Collection Date: 12/11/07 15:50
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **MLT**
Acetone	A	*ND*	0.0020	0.0050	UJ	mg/L	1	12/17/07 15:37
Benzene	A	*ND*	0.00030	0.0010		mg/L	1	12/17/07 15:37
2-Butanone	A	*ND*	0.0015	0.0020	UJ	mg/L	1	12/17/07 15:37
Chloromethane	A	*ND*	0.00030	0.0020	UJ	mg/L	1	12/17/07 15:37
1,1-Dichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	12/17/07 15:37
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	12/17/07 15:37
Ethylbenzene	A	*ND*	0.00020	0.0010		mg/L	1	12/17/07 15:37
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0010	UJ	mg/L	1	12/17/07 15:37
Methylene chloride	A	*ND*	0.00070	0.0020		mg/L	1	12/17/07 15:37
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	12/17/07 15:37
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	12/17/07 15:37
Vinyl chloride	A	*ND*	0.00040	0.0020	UJ	mg/L	1	12/17/07 15:37
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	12/17/07 15:37
Surr: 4-Bromofluorobenzene	S	99.5	0	74.3-123		%REC	1	12/17/07 15:37
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	12/17/07 15:37
Surr: 1,2-Dichloroethane-d4	S	106	0	77.9-126		%REC	1	12/17/07 15:37
Surr: Toluene-d8	S	115	0	80.8-118		%REC	1	12/17/07 15:37

~~PH~~	Method:	**4500H B/9040C**		Prep Date/Time:				Analyst: **RJC**
pH	A	*7.93*	0.02	0.02	H	pH units	1	12/12/07 22:15

12/24/08

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ANALYTICAL RESULTS

Date: *Tuesday, December 18, 2007*

Client:	MWH, Inc.		
Client Project:	GWTP - Monthly / ACS		
Client Sample ID:	Effluent	**Work Order / ID:**	ME0712442-01
Sample Description:		**Collection Date:**	12/11/07 15:50
Sample Matrix:	Aqueous	**Date Received:**	12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **MLT**
Acetone	A	*ND*	0.0020	0.0050		mg/L	1	12/17/07 15:37
Benzene	A	*ND*	0.00030	0.0010		mg/L	1	12/17/07 15:37
2-Butanone	A	*ND*	0.0015	0.0020		mg/L	1	12/17/07 15:37
Chloromethane	A	*ND*	0.00030	0.0020		mg/L	1	12/17/07 15:37
1,1-Dichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	12/17/07 15:37
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	12/17/07 15:37
Ethylbenzene	A	*ND*	0.00020	0.0010		mg/L	1	12/17/07 15:37
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0010		mg/L	1	12/17/07 15:37
Methylene chloride	A	*ND*	0.00070	0.0020		mg/L	1	12/17/07 15:37
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	12/17/07 15:37
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	12/17/07 15:37
Vinyl chloride	A	*ND*	0.00040	0.0020		mg/L	1	12/17/07 15:37
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	12/17/07 15:37
Surr: 4-Bromofluorobenzene	S	99.5	0	74.3-123		%REC	1	12/17/07 15:37
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	12/17/07 15:37
Surr: 1,2-Dichloroethane-d4	S	106	0	77.9-126		%REC	1	12/17/07 15:37
Surr: Toluene-d8	S	115	0	80.8-118		%REC	1	12/17/07 15:37

PH	Method:	**4500H B/9040C**		Prep Date/Time:				Analyst: **RJC**
pH	A	*7.93*	0.02	0.02	H	pH units	1	12/12/07 22:15

12/20/08

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APPENDIX B

THERMAL OXIDIZER OFF-GAS ANALYTICAL DATA

October 23, 2007 Off-Gas Sample Laboratory Results

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #1 Offsite ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-01A
Collection Date: 10/23/07 12:15
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/04/07 16:08	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 16:08	
1,4-Dichlorobenzene	A	1.2	0.9	10	J	µg, Total	1	11/04/07 16:08	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 16:08	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 16:08	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 16:08	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 16:08	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 16:08	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 16:08	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 16:08	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 16:08	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 16:08	
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 16:08	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 16:08	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 16:08	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 16:08	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 16:08	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 16:08	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 16:08	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 16:08	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 16:08	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 16:08	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
Bis(2-ethylhexyl)phthalate	A	12	1.1	10		µg, Total	1	11/04/07 16:08	
Butyl benzyl phthalate	A	1.2	1	10	J	µg, Total	1	11/04/07 16:08	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 16:08	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 16:08	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 16:08	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 16:08	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 16:08	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 16:08	

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CPS 2/1/08

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #1 Offsite ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-01A
Collection Date: 10/23/07 12:15
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 16:08	
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 16:08	
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 16:08	
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 16:08	
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 16:08	
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 16:08	R
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 16:08	R
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 16:08	
Surr: 2-Fluorobiphenyl	S	85.6	0	30-130		%REC	1	11/04/07 16:08	
Surr: 2-Fluorophenol	S	0.240	0	30-130	S	%REC	1	11/04/07 16:08	
Surr: Nitrobenzene-d5	S	75.2	0	30-130		%REC	1	11/04/07 16:08	
Surr: Phenol-d5	S	24.5	0	30-130	S	%REC	1	11/04/07 16:08	
Surr: Terphenyl-d14	S	72.1	0	30-130		%REC	1	11/04/07 16:08	
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Acenaphthene	A	***0.23***	0.21	1.0	J	µg, Total	1	11/04/07 19:37	
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 19:37	
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 19:37	
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 19:37	UJ
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 19:37	UJ
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 19:37	
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 19:37	
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 19:37	
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 19:37	UJ
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 19:37	UJ
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 19:37	
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 19:37	
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 19:37	UJ
Naphthalene	A	***0.26***	0.16	1.0	J	µg, Total	1	11/04/07 19:37	
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 19:37	
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 19:37	
Surr: Nitrobenzene-d5	S	70.2	0	30-130		%REC	1	11/04/07 19:37	
Surr: 2-Fluorobiphenyl	S	87.6	0	30-130		%REC	1	11/04/07 19:37	
Surr: Terphenyl-d14	S	64.4	0	30-130		%REC	1	11/04/07 19:37	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #1 Offsite ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-01B
Collection Date: 10/23/07 12:15
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,1,1-Trichloroethane	A	***130000***	1100	6800		ppbv	5,00	11/21/07 17:48	
1,1,2,2-Tetrachloroethane	A	***ND***	8.4	30		ppbv	60	11/17/07 08:03	UJ
1,1,2-Trichloroethane	A	***ND***	6.6	30		ppbv	60	11/17/07 08:03	UJ
1,1-Dichloroethane	A	***31000***	250	1200		ppbv	,00	11/17/07 06:38	
1,1-Dichloroethene	A	***940***	4.2	30		ppbv	60	11/17/07 08:03	J
1,2-Dichloroethane	A	***4500***	58	290		ppbv	600	11/17/07 07:21	
1,2-Dichloropropane	A	***1200***	5.4	30		ppbv	60	11/17/07 08:03	
2-Butanone	A	***130000***	2900	27000		ppbv	5,00	11/21/07 17:48	
2-Hexanone	A	***2500***	63	1200		ppbv	600	11/17/07 07:21	
4-Methyl-2-Pentanone	A	***64000***	2200	6800		ppbv	5,00	11/21/07 17:48	
Acetone	A	***81000***	1600	27000		ppbv	5,00	11/21/07 17:48	
Benzene	A	***63000***	1400	6800		ppbv	5,00	11/21/07 17:48	
Bromodichloromethane	A	***80***	6	30		ppbv	60	11/17/07 08:03	
Bromoform	A	***ND***	5.4	30		ppbv	60	11/17/07 08:03	UJ
Bromomethane	A	***71***	4.8	30		ppbv	60	11/17/07 08:03	J
Carbon disulfide	A	***ND***	20	30		ppbv	60	11/17/07 08:03	UJ
Carbon tetrachloride	A	***23***	6.6	30	J	ppbv	60	11/17/07 08:03	J
Chlorobenzene	A	***ND***	6.6	30		ppbv	60	11/17/07 08:03	UJ
Chloroethane	A	***510***	6.6	30		ppbv	60	11/17/07 08:03	J
Chloroform	A	***17000***	270	1200		ppbv	,00	11/17/07 06:38	
Chloromethane	A	***340***	4.2	120		ppbv	60	11/17/07 08:03	J
cis-1,2-Dichloroethene	A	***11000***	52	290		ppbv	600	11/17/07 07:21	
cis-1,3-Dichloropropene	A	***ND***	6	30		ppbv	60	11/17/07 08:03	
Dibromochloromethane	A	***ND***	4.2	30		ppbv	60	11/17/07 08:03	UJ
Ethyl benzene	A	***92000***	1500	6800		ppbv	5,00	11/21/07 17:48	
m,p-Xylene	A	***340000***	1800	6800		ppbv	5,00	11/21/07 17:48	
Methylene chloride	A	***120000***	5900	6800		ppbv	5,00	11/21/07 17:48	
o-Xylene	A	***130000***	1800	6800		ppbv	5,00	11/21/07 17:48	
Styrene	A	***2100***	75	290		ppbv	600	11/17/07 07:21	
Tetrachloroethene	A	***120000***	1500	6800		ppbv	5,00	11/21/07 17:48	
Toluene	A	***820000***	27000	120000	H	ppbv	0,0	11/26/07 13:41	J
trans-1,2-Dichloroethene	A	***460***	4.8	30		ppbv	60	11/17/07 08:03	J
trans-1,3-Dichloropropene	A	***ND***	6	30		ppbv	60	11/17/07 08:03	UJ
Trichloroethene	A	***91000***	1500	6800		ppbv	5,00	11/21/07 17:48	
Vinyl chloride	A	***930***	4.8	30		ppbv	60	11/17/07 08:03	J
Surr: 4-Bromofluorobenzene	S	94.5	0	77.7-127		%REC	600	11/17/07 07:21	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-02A
Collection Date: 10/23/07 12:17
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
1,2-Dichlorobenzene	A	0.87	0.7	10	J	µg, Total	1	11/04/07 16:34
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 16:34
1,4-Dichlorobenzene	A	1.2	0.9	10	J	µg, Total	1	11/04/07 16:34
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 16:34
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 16:34
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 16:34
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 16:34
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 16:34
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 16:34
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 16:34
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 16:34
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 16:34
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 16:34
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 16:34
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 16:34
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 16:34
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 16:34
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 16:34
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 16:34
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 16:34
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 16:34
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 16:34
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
Bis(2-ethylhexyl)phthalate	A	3.8	1.1	10	J	µg, Total	1	11/04/07 16:34
Butyl benzyl phthalate	A	1.1	1	10	J	µg, Total	1	11/04/07 16:34
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 16:34
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 16:34
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 16:34
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 16:34
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 16:34
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 16:34

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-02A
Collection Date: 10/23/07 12:17
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 16:34	
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 16:34	
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 16:34	
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 16:34	
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 16:34	
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 16:34	B
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 16:34	B
Surr: 2,4,6-Tribromophenol	S	0.973	0	30-130	S	%REC	1	11/04/07 16:34	
Surr: 2-Fluorobiphenyl	S	59.6	0	30-130		%REC	1	11/04/07 16:34	
Surr: 2-Fluorophenol	S	0.353	0	30-130	S	%REC	1	11/04/07 16:34	
Surr: Nitrobenzene-d5	S	53.0	0	30-130		%REC	1	11/04/07 16:34	
Surr: Phenol-d5	S	36.9	0	30-130		%REC	1	11/04/07 16:34	
Surr: Terphenyl-d14	S	49.0	0	30-130		%REC	1	11/04/07 16:34	
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	11/04/07 20:02	
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 20:02	
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 20:02	
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 20:02	
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 20:02	UJ
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 20:02	
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 20:02	
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 20:02	
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 20:02	
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 20:02	UJ
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 20:02	
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 20:02	
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 20:02	UJ
Naphthalene	A	***0.68***	0.16	1.0	J	µg, Total	1	11/04/07 20:02	
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 20:02	
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 20:02	
Surr: Nitrobenzene-d5	S	52.0	0	30-130		%REC	1	11/04/07 20:02	
Surr: 2-Fluorobiphenyl	S	63.3	0	30-130		%REC	1	11/04/07 20:02	
Surr: Terphenyl-d14	S	50.4	0	30-130		%REC	1	11/04/07 20:02	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-02B
Collection Date: 10/23/07 12:17
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,1,1-Trichloroethane	A	*91000*	1100	6800		ppbv	5,00	11/21/07 18:30	
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/17/07 05:57	UJ
1,1,2-Trichloroethane	A	*780*	6.6	30		ppbv	60	11/17/07 05:57	J
1,1-Dichloroethane	A	*29000*	250	1200		ppbv	3,00	11/17/07 04:34	
1,1-Dichloroethene	A	*640*	4.2	30		ppbv	60	11/17/07 05:57	
1,2-Dichloroethane	A	*1800*	58	290		ppbv	600	11/17/07 05:15	
1,2-Dichloropropane	A	*1800*	52	290		ppbv	600	11/17/07 05:15	
2-Butanone	A	*3000*	120	1200		ppbv	600	11/17/07 05:15	
2-Hexanone	A	*ND*	6.6	120		ppbv	60	11/17/07 05:57	UJ
4-Methyl-2-Pentanone	A	*20000*	400	1200		ppbv	3,00	11/17/07 04:34	
Acetone	A	*6100*	69	1200		ppbv	600	11/17/07 05:15	
Benzene	A	*35000*	250	1200		ppbv	3,00	11/17/07 04:34	
Bromodichloromethane	A	*ND*	6	30		ppbv	60	11/17/07 05:57	
Bromoform	A	*ND*	5.4	30		ppbv	60	11/17/07 05:57	UJ
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/17/07 05:57	UJ
Carbon disulfide	A	*190*	20	30		ppbv	60	11/17/07 05:57	
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/17/07 05:57	
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/17/07 05:57	UJ
Chloroethane	A	*2100*	63	290		ppbv	600	11/17/07 05:15	J
Chloroform	A	*49000*	270	1200		ppbv	3,00	11/17/07 04:34	
Chloromethane	A	*110*	4.2	120	J	ppbv	60	11/17/07 05:57	
cis-1,2-Dichloroethene	A	*86000*	1200	6800		ppbv	5,00	11/21/07 18:30	
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/17/07 05:57	
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/17/07 05:57	
Ethyl benzene	A	*58000*	1500	6800		ppbv	5,00	11/21/07 18:30	
m,p-Xylene	A	*210000*	1800	6800		ppbv	5,00	11/21/07 18:30	
Methylene chloride	A	*34000*	3100	3600	H	ppbv	7,50	11/25/07 16:15	J
o-Xylene	A	*92000*	1800	6800		ppbv	5,00	11/21/07 18:30	
Styrene	A	*940*	7.8	30		ppbv	60	11/17/07 05:57	J
Tetrachloroethene	A	*160000*	1500	6800		ppbv	5,00	11/21/07 18:30	
Toluene	A	*190000*	1500	6800		ppbv	5,00	11/21/07 18:30	
trans-1,2-Dichloroethene	A	*660*	4.8	30		ppbv	60	11/17/07 05:57	
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/17/07 05:57	UJ
Trichloroethene	A	*69000*	1500	6800		ppbv	5,00	11/21/07 18:30	
Vinyl chloride	A	*9900*	46	290		ppbv	600	11/17/07 05:15	
Surr: 4-Bromofluorobenzene	S	117	0	77.7-127		%REC	60	11/17/07 05:57	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-03A
Collection Date: 10/23/07 12:50
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/04/07 17:00
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 17:00
1,4-Dichlorobenzene	A	1	0.9	10	J	µg, Total	1	11/04/07 17:00
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 17:00
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 17:00
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 17:00
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 17:00
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 17:00
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 17:00
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 17:00
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 17:00
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 17:00
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 17:00
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 17:00
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 17:00
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 17:00
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 17:00
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 17:00
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 17:00
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 17:00
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 17:00
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 17:00
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
Bis(2-ethylhexyl)phthalate	A	13	1.1	10		µg, Total	1	11/04/07 17:00
Butyl benzyl phthalate	A	1.6	1	10	J	µg, Total	1	11/04/07 17:00
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 17:00
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 17:00
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 17:00
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 17:00
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 17:00
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 17:00

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-03A
Collection Date: 10/23/07 12:50
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 17:00	
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 17:00	
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 17:00	
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 17:00	
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 17:00	
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 17:00	R
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 17:00	R
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 17:00	
Surr: 2-Fluorobiphenyl	S	85.7	0	30-130		%REC	1	11/04/07 17:00	
Surr: 2-Fluorophenol	S	0.207	0	30-130	S	%REC	1	11/04/07 17:00	
Surr: Nitrobenzene-d5	S	64.0	0	30-130		%REC	1	11/04/07 17:00	
Surr: Phenol-d5	S	26.6	0	30-130	S	%REC	1	11/04/07 17:00	
Surr: Terphenyl-d14	S	67.8	0	30-130		%REC	1	11/04/07 17:00	
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Acenaphthene	A	***0.21***	0.21	1.0	J	µg, Total	1	11/04/07 20:28	
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 20:28	
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 20:28	
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 20:28	
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 20:28	UJ
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 20:28	
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 20:28	
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 20:28	
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 20:28	
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 20:28	UJ
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 20:28	
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 20:28	
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 20:28	UJ
Naphthalene	A	***0.47***	0.16	1.0	J	µg, Total	1	11/04/07 20:28	
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 20:28	
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 20:28	
Surr: Nitrobenzene-d5	S	60.4	0	30-130		%REC	1	11/04/07 20:28	
Surr: 2-Fluorobiphenyl	S	87.7	0	30-130		%REC	1	11/04/07 20:28	
Surr: Terphenyl-d14	S	60.1	0	30-130		%REC	1	11/04/07 20:28	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-03B
Collection Date: 10/23/07 12:50
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*18000*	200	1200		ppbv	3,00	11/15/07 01:54
1,1,2,2-Tetrachloroethane	A	*14*	8.4	30	J	ppbv	60	11/15/07 03:22
1,1,2-Trichloroethane	A	*79*	6.6	30		ppbv	60	11/15/07 03:22
1,1-Dichloroethane	A	*2600*	58	290		ppbv	600	11/15/07 02:38
1,1-Dichloroethene	A	*100*	4.2	30		ppbv	60	11/15/07 03:22
1,2-Dichloroethane	A	*290*	6	30		ppbv	60	11/15/07 03:22
1,2-Dichloropropane	A	*260*	5.4	30		ppbv	60	11/15/07 03:22
2-Butanone	A	*560*	13	120		ppbv	60	11/15/07 03:22
2-Hexanone	A	*ND*	6.6	120		ppbv	60	11/15/07 03:22
4-Methyl-2-Pentanone	A	*1900*	92	290		ppbv	600	11/15/07 02:38
Acetone	A	*920*	7.2	120		ppbv	60	11/15/07 03:22
Benzene	A	*3200*	58	290		ppbv	600	11/15/07 02:38
Bromodichloromethane	A	*63*	6	30		ppbv	60	11/15/07 03:22
Bromoform	A	*ND*	5.4	30		ppbv	60	11/15/07 03:22
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/15/07 03:22 UJ
Carbon disulfide	A	*94*	20	30		ppbv	60	11/15/07 03:22
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/15/07 03:22
Chlorobenzene	A	*250*	6.6	30		ppbv	60	11/15/07 03:22
Chloroethane	A	*260*	6.6	30		ppbv	60	11/15/07 03:22 J
Chloroform	A	*3700*	63	290		ppbv	600	11/15/07 02:38
Chloromethane	A	*10*	4.2	120	J	ppbv	60	11/15/07 03:22
cis-1,2-Dichloroethene	A	*19000*	220	1200		ppbv	3,00	11/15/07 01:54
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/15/07 03:22
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/15/07 03:22
Ethyl benzene	A	*9200*	63	290		ppbv	600	11/15/07 02:38
m,p-Xylene	A	*51000*	320	1200		ppbv	3,00	11/15/07 01:54
Methylene chloride	A	*5000*	250	290		ppbv	600	11/15/07 02:38
o-Xylene	A	*23000*	320	1200		ppbv	3,00	11/15/07 01:54
Styrene	A	*150*	7.8	30		ppbv	60	11/15/07 03:22
Tetrachloroethene	A	*31000*	270	1200		ppbv	3,00	11/15/07 01:54
Toluene	A	*44000*	270	1200		ppbv	3,00	11/15/07 01:54
trans-1,2-Dichloroethene	A	*100*	4.8	30		ppbv	60	11/15/07 03:22
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/15/07 03:22
Trichloroethene	A	*8400*	63	290		ppbv	600	11/15/07 02:38
Vinyl chloride	A	*1200*	4.8	30		ppbv	60	11/15/07 03:22
Surr: 4-Bromofluorobenzene	S	94.2	0	77.7-127		%REC	60	11/15/07 03:22

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-04A
Collection Date: 10/23/07 13:15
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/04/07 17:26	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 17:26	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 17:26	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 17:26	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 17:26	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 17:26	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 17:26	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 17:26	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 17:26	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 17:26	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 17:26	
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 17:26	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 17:26	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 17:26	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 17:26	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 17:26	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 17:26	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 17:26	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 17:26	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 17:26	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 17:26	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
Bis(2-ethylhexyl)phthalate	A	4.3	1.1	10	J	µg, Total	1	11/04/07 17:26	
Butyl benzyl phthalate	A	1.4	1	10	J	µg, Total	1	11/04/07 17:26	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 17:26	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 17:26	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 17:26	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 17:26	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 17:26	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 17:26	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-04A
Collection Date: 10/23/07 13:15
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**	Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 17:26
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 17:26
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 17:26
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 17:26
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 17:26
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 17:26
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 17:26
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 17:26
Surr: 2-Fluorobiphenyl	S	79.0	0	30-130		%REC	1	11/04/07 17:26
Surr: 2-Fluorophenol	S	0.260	0	30-130	S	%REC	1	11/04/07 17:26
Surr: Nitrobenzene-d5	S	65.6	0	30-130		%REC	1	11/04/07 17:26
Surr: Phenol-d5	S	21.1	0	30-130	S	%REC	1	11/04/07 17:26
Surr: Terphenyl-d14	S	68.1	0	30-130		%REC	1	11/04/07 17:26
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**	Analyst: **BEM**	
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	11/04/07 20:54
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 20:54
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 20:54
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 20:54
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 20:54
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 20:54
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 20:54
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 20:54
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 20:54
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 20:54
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 20:54
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 20:54
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 20:54
Naphthalene	A	***0.51***	0.16	1.0	J	µg, Total	1	11/04/07 20:54
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 20:54
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 20:54
Surr: Nitrobenzene-d5	S	63.1	0	30-130		%REC	1	11/04/07 20:54
Surr: 2-Fluorobiphenyl	S	82.5	0	30-130		%REC	1	11/04/07 20:54
Surr: Terphenyl-d14	S	64.9	0	30-130		%REC	1	11/04/07 20:54

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-04B
Collection Date: 10/23/07 13:15
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*12000*	46	290		ppbv	600	11/21/07 16:27
1,1,2,2-Tetrachloroethane	A	*ND*	35	120		ppbv	60	11/21/07 17:07
1,1,2-Trichloroethane	A	*57*	27	120	J	ppbv	60	11/21/07 17:07
1,1-Dichloroethane	A	*2100*	25	120		ppbv	60	11/21/07 17:07
1,1-Dichloroethene	A	*110*	17	120	J	ppbv	60	11/21/07 17:07
1,2-Dichloroethane	A	*240*	25	120		ppbv	60	11/21/07 17:07
1,2-Dichloropropane	A	*250*	22	120		ppbv	60	11/21/07 17:07
2-Butanone	A	*490*	52	500	J	ppbv	60	11/21/07 17:07
2-Hexanone	A	*ND*	27	500		ppbv	60	11/21/07 17:07
4-Methyl-2-Pentanone	A	*2200*	40	120		ppbv	60	11/21/07 17:07
Acetone	A	*1100*	30	500		ppbv	60	11/21/07 17:07
Benzene	A	*3000*	25	120		ppbv	60	11/21/07 17:07
Bromodichloromethane	A	*ND*	25	120		ppbv	60	11/21/07 17:07
Bromoform	A	*ND*	22	120		ppbv	60	11/21/07 17:07
Bromomethane	A	*ND*	20	120		ppbv	60	11/21/07 17:07
Carbon disulfide	A	*ND*	82	120		ppbv	60	11/21/07 17:07
Carbon tetrachloride	A	*ND*	27	120		ppbv	60	11/21/07 17:07
Chlorobenzene	A	*ND*	27	120		ppbv	60	11/21/07 17:07
Chloroethane	A	*300*	27	120		ppbv	60	11/21/07 17:07
Chloroform	A	*4000*	27	120		ppbv	60	11/21/07 17:07
Chloromethane	A	*ND*	17	500		ppbv	60	11/21/07 17:07
cis-1,2-Dichloroethene	A	*18000*	220	1200		ppbv	3,00	11/21/07 15:42
cis-1,3-Dichloropropene	A	*ND*	25	120		ppbv	60	11/21/07 17:07
Dibromochloromethane	A	*ND*	17	120		ppbv	60	11/21/07 17:07
Ethyl benzene	A	*9700*	63	290		ppbv	600	11/21/07 16:27
m,p-Xylene	A	*47000*	320	1200		ppbv	3,00	11/21/07 15:42
Methylene chloride	A	*4100*	110	120		ppbv	60	11/21/07 17:07
o-Xylene	A	*21000*	320	1200		ppbv	3,00	11/21/07 15:42
Styrene	A	*170*	32	120		ppbv	60	11/21/07 17:07
Tetrachloroethene	A	*28000*	270	1200		ppbv	3,00	11/21/07 15:42
Toluene	A	*43000*	270	1200		ppbv	3,00	11/21/07 15:42
trans-1,2-Dichloroethene	A	*99*	20	120	J	ppbv	60	11/21/07 17:07
trans-1,3-Dichloropropene	A	*ND*	25	120		ppbv	60	11/21/07 17:07
Trichloroethene	A	*8600*	63	290		ppbv	600	11/21/07 16:27
Vinyl chloride	A	*1300*	20	120		ppbv	60	11/21/07 17:07
Surr: 4-Bromofluorobenzene	S	102	0	77.7-127		%REC	60	11/21/07 17:07

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-05A
Collection Date: 10/23/07 13:20
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
1,2-Dichlorobenzene	A	*ND*	0.7	10		µg, Total	1	11/04/07 17:52
1,3-Dichlorobenzene	A	*ND*	0.8	10		µg, Total	1	11/04/07 17:52
1,4-Dichlorobenzene	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	11/04/07 17:52
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	11/04/07 17:52
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	11/04/07 17:52
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	11/04/07 17:52
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	11/04/07 17:52
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	11/04/07 17:52
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	11/04/07 17:52
2-Methylnaphthalene	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	11/04/07 17:52
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	11/04/07 17:52
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	11/04/07 17:52
3,3´-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	11/04/07 17:52
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	11/04/07 17:52
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	11/04/07 17:52
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	11/04/07 17:52
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	11/04/07 17:52
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	11/04/07 17:52
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	11/04/07 17:52
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	11/04/07 17:52
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	11/04/07 17:52
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
Bis(2-ethylhexyl)phthalate	A	*1.5*	1.1	10	J	µg, Total	1	11/04/07 17:52
Butyl benzyl phthalate	A	*ND*	1	10		µg, Total	1	11/04/07 17:52
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	11/04/07 17:52
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/04/07 17:52
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	11/04/07 17:52
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/04/07 17:52
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
Hexachlorobutadiene	A	*ND*	0.9	10		µg, Total	1	11/04/07 17:52
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	11/04/07 17:52

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-05A
Collection Date: 10/23/07 13:20
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 17:52	
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 17:52	
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 17:52	
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 17:52	
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 17:52	
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 17:52	R
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 17:52	R
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 17:52	
Surr: 2-Fluorobiphenyl	S	82.3	0	30-130		%REC	1	11/04/07 17:52	
Surr: 2-Fluorophenol	S	0.227	0	30-130	S	%REC	1	11/04/07 17:52	
Surr: Nitrobenzene-d5	S	65.4	0	30-130		%REC	1	11/04/07 17:52	
Surr: Phenol-d5	S	19.1	0	30-130	S	%REC	1	11/04/07 17:52	
Surr: Terphenyl-d14	S	66.0	0	30-130		%REC	1	11/04/07 17:52	
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	11/04/07 21:20	
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 21:20	
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 21:20	
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 21:20	
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 21:20	UJ
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 21:20	
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 21:20	
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 21:20	
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 21:20	
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 21:20	UJ
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 21:20	
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 21:20	
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 21:20	UJ
Naphthalene	A	***ND***	0.16	1.0		µg, Total	1	11/04/07 21:20	
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 21:20	
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 21:20	
Surr: Nitrobenzene-d5	S	62.0	0	30-130		%REC	1	11/04/07 21:20	
Surr: 2-Fluorobiphenyl	S	77.6	0	30-130		%REC	1	11/04/07 21:20	
Surr: Terphenyl-d14	S	63.9	0	30-130		%REC	1	11/04/07 21:20	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-05B
Collection Date: 10/23/07 13:20
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,1,1-Trichloroethane	A	*27*	0.77	4.8		ppbv	10	11/17/07 03:07	
1,1,2,2-Tetrachloroethane	A	*ND*	0.14	0.50		ppbv	1	11/17/07 03:52	
1,1,2-Trichloroethane	A	*0.29*	0.11	0.50	J	ppbv	1	11/17/07 03:52	
1,1-Dichloroethane	A	*5.2*	0.1	0.50		ppbv	1	11/17/07 03:52	
1,1-Dichloroethene	A	*61*	0.67	4.8		ppbv	10	11/17/07 03:07	
1,2-Dichloroethane	A	*1.1*	0.1	0.50		ppbv	1	11/17/07 03:52	
1,2-Dichloropropane	A	*0.31*	0.09	0.50	J	ppbv	1	11/17/07 03:52	
2-Butanone	A	*79*	2	19		ppbv	10	11/17/07 03:07	
2-Hexanone	A	*7.2*	0.11	2.0		ppbv	1	11/17/07 03:52	
4-Methyl-2-Pentanone	A	*83*	1.5	4.8		ppbv	10	11/17/07 03:07	
Acetone	A	*53*	1.2	19		ppbv	10	11/17/07 03:07	
Benzene	A	*94*	0.96	4.8		ppbv	10	11/17/07 03:07	
Bromodichloromethane	A	*ND*	0.1	0.50		ppbv	1	11/17/07 03:52	
Bromoform	A	*ND*	0.09	0.50		ppbv	1	11/17/07 03:52	
Bromomethane	A	*ND*	0.08	0.50		ppbv	1	11/17/07 03:52	UJ
Carbon disulfide	A	*ND*	0.33	0.50		ppbv	1	11/17/07 03:52	
Carbon tetrachloride	A	*0.29*	0.11	0.50	J	ppbv	1	11/17/07 03:52	
Chlorobenzene	A	*3.1*	0.11	0.50		ppbv	1	11/17/07 03:52	
Chloroethane	A	*1.1*	0.11	0.50		ppbv	1	11/17/07 03:52	J
Chloroform	A	*3.6*	0.11	0.50		ppbv	1	11/17/07 03:52	
Chloromethane	A	*3.7*	0.07	2.0		ppbv	1	11/17/07 03:52	
cis-1,2-Dichloroethene	A	*39*	0.86	4.8		ppbv	10	11/17/07 03:07	
cis-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	11/17/07 03:52	
Dibromochloromethane	A	*ND*	0.07	0.50		ppbv	1	11/17/07 03:52	
Ethyl benzene	A	*32*	1.1	4.8		ppbv	10	11/17/07 03:07	
m,p-Xylene	A	*130*	1.2	4.8		ppbv	10	11/17/07 03:07	
Methylene chloride	A	*2.5*	0.43	4.0	Jb	ppbv	1	11/17/07 03:52	UBJ
o-Xylene	A	*47*	1.2	4.8		ppbv	10	11/17/07 03:07	
Styrene	A	*13*	0.13	0.50		ppbv	1	11/17/07 03:52	
Tetrachloroethene	A	*150*	1.1	4.8		ppbv	10	11/17/07 03:07	
Toluene	A	*160*	1.1	4.8		ppbv	10	11/17/07 03:07	
trans-1,2-Dichloroethene	A	*13*	0.08	0.50		ppbv	1	11/17/07 03:52	
trans-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	11/17/07 03:52	
Trichloroethene	A	*62*	1.1	4.8		ppbv	10	11/17/07 03:07	
Vinyl chloride	A	*16*	0.08	0.50		ppbv	1	11/17/07 03:52	
Surr: 4-Bromofluorobenzene	S	103	0	77.7-127		%REC	1	11/17/07 03:52	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-06A
Collection Date: 10/23/07 13:30
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
1,2-Dichlorobenzene	A	1.6	0.7	10	J	µg, Total	1	11/04/07 18:18	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 18:18	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 18:18	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 18:18	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 18:18	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 18:18	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 18:18	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 18:18	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 18:18	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 18:18	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 18:18	
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 18:18	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 18:18	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 18:18	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 18:18	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 18:18	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 18:18	
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 18:18	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 18:18	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 18:18	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 18:18	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
Bis(2-ethylhexyl)phthalate	A	39	1.1	10		µg, Total	1	11/04/07 18:18	
Butyl benzyl phthalate	A	1.2	1	10	J	µg, Total	1	11/04/07 18:18	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 18:18	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 18:18	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 18:18	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 18:18	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 18:18	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 18:18	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-06A
Collection Date: 10/23/07 13:30
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 18:18	
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 18:18	
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 18:18	
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 18:18	
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 18:18	
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 18:18	R
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 18:18	R
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 18:18	
Surr: 2-Fluorobiphenyl	S	104	0	30-130		%REC	1	11/04/07 18:18	
Surr: 2-Fluorophenol	S	0.100	0	30-130	S	%REC	1	11/04/07 18:18	
Surr: Nitrobenzene-d5	S	81.4	0	30-130		%REC	1	11/04/07 18:18	
Surr: Phenol-d5	S	16.9	0	30-130	S	%REC	1	11/04/07 18:18	
Surr: Terphenyl-d14	S	82.6	0	30-130		%REC	1	11/04/07 18:18	
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**	
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	11/04/07 21:46	
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 21:46	
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 21:46	
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 21:46	
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 21:46	UJ
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 21:46	↓
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 21:46	↓
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 21:46	UJ
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 21:46	
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 21:46	UJ
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 21:46	
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 21:46	
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 21:46	UJ
Naphthalene	A	***1.5***	0.16	1.0		µg, Total	1	11/04/07 21:46	
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 21:46	
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 21:46	
Surr: Nitrobenzene-d5	S	75.5	0	30-130		%REC	1	11/04/07 21:46	
Surr: 2-Fluorobiphenyl	S	107	0	30-130		%REC	1	11/04/07 21:46	
Surr: Terphenyl-d14	S	75.9	0	30-130		%REC	1	11/04/07 21:46	

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-06B
Collection Date: 10/23/07 13:30
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*18000*	200	1200		ppbv	3,00	11/14/07 21:30
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/14/07 22:57
1,1,2-Trichloroethane	A	*120*	6.6	30		ppbv	60	11/14/07 22:57
1,1-Dichloroethane	A	*2800*	58	290		ppbv	600	11/14/07 22:13
1,1-Dichloroethene	A	*91*	4.2	30		ppbv	60	11/14/07 22:57
1,2-Dichloroethane	A	*540*	6	30		ppbv	60	11/14/07 22:57
1,2-Dichloropropane	A	*130*	5.4	30		ppbv	60	11/14/07 22:57
2-Butanone	A	*16000*	520	5000		ppbv	3,00	11/14/07 21:30
2-Hexanone	A	*170*	6.6	120		ppbv	60	11/14/07 22:57
4-Methyl-2-Pentanone	A	*7400*	92	290		ppbv	600	11/14/07 22:13
Acetone	A	*22000*	300	5000		ppbv	3,00	11/14/07 21:30
Benzene	A	*6900*	58	290		ppbv	600	11/14/07 22:13
Bromodichloromethane	A	*ND*	6	30		ppbv	60	11/14/07 22:57
Bromoform	A	*ND*	5.4	30		ppbv	60	11/14/07 22:57
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/14/07 22:57
Carbon disulfide	A	*190*	20	30		ppbv	60	11/14/07 22:57
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/14/07 22:57
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/14/07 22:57
Chloroethane	A	*76*	6.6	30		ppbv	60	11/14/07 22:57
Chloroform	A	*1300*	63	290		ppbv	600	11/14/07 22:13
Chloromethane	A	*28*	4.2	120	J	ppbv	60	11/14/07 22:57
cis-1,2-Dichloroethene	A	*2400*	52	290		ppbv	600	11/14/07 22:13
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/14/07 22:57
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/14/07 22:57
Ethyl benzene	A	*10000*	63	290		ppbv	600	11/14/07 22:13
m,p-Xylene	A	*60000*	320	1200		ppbv	3,00	11/14/07 21:30
Methylene chloride	A	*21000*	1100	1200		ppbv	3,00	11/14/07 21:30
o-Xylene	A	*22000*	320	1200		ppbv	3,00	11/14/07 21:30
Styrene	A	*220*	7.8	30		ppbv	60	11/14/07 22:57
Tetrachloroethene	A	*10000*	63	290		ppbv	600	11/14/07 22:13
Toluene	A	*90000*	1500	6800		ppbv	5,00	11/21/07 19:12
trans-1,2-Dichloroethene	A	*46*	4.8	30		ppbv	60	11/14/07 22:57
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/14/07 22:57
Trichloroethene	A	*8400*	63	290		ppbv	600	11/14/07 22:13
Vinyl chloride	A	*130*	4.8	30		ppbv	60	11/14/07 22:57
Surr: 4-Bromofluorobenzene	S	93.5	0	77.7-127		%REC	60	11/14/07 22:57

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CMS 2/11/08

ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-07A
Collection Date: 10/23/07 13:55
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/04/07 18:45
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 18:45
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 18:45
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 18:45
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 18:45
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 18:45
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 18:45
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 18:45
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 18:45
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 18:45
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 18:45
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 18:45
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 18:45
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 18:45
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 18:45
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 18:45
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 18:45
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 18:45
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 18:45
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 18:45
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 18:45
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
Bis(2-ethylhexyl)phthalate	A	12	1.1	10		µg, Total	1	11/04/07 18:45
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	11/04/07 18:45
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 18:45
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 18:45
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 18:45
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 18:45
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 18:45
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 18:45

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-07A
Collection Date: 10/23/07 13:55
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 18:45
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 18:45
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 18:45
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 18:45
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 18:45
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 18:45
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 18:45
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 18:45
Surr: 2-Fluorobiphenyl	S	98.0	0	30-130		%REC	1	11/04/07 18:45
Surr: 2-Fluorophenol	S	0.320	0	30-130	S	%REC	1	11/04/07 18:45
Surr: Nitrobenzene-d5	S	80.5	0	30-130		%REC	1	11/04/07 18:45
Surr: Phenol-d5	S	29.5	0	30-130	S	%REC	1	11/04/07 18:45
Surr: Terphenyl-d14	S	73.7	0	30-130		%REC	1	11/04/07 18:45
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	11/04/07 22:12
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 22:12
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 22:12
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 22:12
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 22:12
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 22:12
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 22:12
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 22:12
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 22:12
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 22:12
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 22:12
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 22:12
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 22:12
Naphthalene	A	***0.38***	0.16	1.0	J	µg, Total	1	11/04/07 22:12
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 22:12
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 22:12
Surr: Nitrobenzene-d5	S	68.6	0	30-130		%REC	1	11/04/07 22:12
Surr: 2-Fluorobiphenyl	S	100	0	30-130		%REC	1	11/04/07 22:12
Surr: Terphenyl-d14	S	65.4	0	30-130		%REC	1	11/04/07 22:12

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-07B
Collection Date: 10/23/07 13:55
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	***21000***	200	1200		ppbv	3,00	11/14/07 23:41
1,1,2,2-Tetrachloroethane	A	***ND***	8.4	30		ppbv	60	11/15/07 01:09
1,1,2-Trichloroethane	A	***200***	6.6	30		ppbv	60	11/15/07 01:09
1,1-Dichloroethane	A	***3100***	58	290		ppbv	600	11/15/07 00:25
1,1-Dichloroethene	A	***110***	4.2	30		ppbv	60	11/15/07 01:09
1,2-Dichloroethane	A	***670***	6	30		ppbv	60	11/15/07 01:09
1,2-Dichloropropane	A	***160***	5.4	30		ppbv	60	11/15/07 01:09
2-Butanone	A	***19000***	520	5000		ppbv	3,00	11/14/07 23:41
2-Hexanone	A	***160***	6.6	120		ppbv	60	11/15/07 01:09 J
4-Methyl-2-Pentanone	A	***7200***	92	290		ppbv	600	11/15/07 00:25
Acetone	A	***23000***	300	5000		ppbv	3,00	11/14/07 23:41
Benzene	A	***7500***	58	290		ppbv	600	11/15/07 00:25
Bromodichloromethane	A	***ND***	6	30		ppbv	60	11/15/07 01:09
Bromoform	A	***ND***	5.4	30		ppbv	60	11/15/07 01:09
Bromomethane	A	***ND***	4.8	30		ppbv	60	11/15/07 01:09 U5
Carbon disulfide	A	***110***	20	30		ppbv	60	11/15/07 01:09
Carbon tetrachloride	A	***ND***	6.6	30		ppbv	60	11/15/07 01:09
Chlorobenzene	A	***ND***	6.6	30		ppbv	60	11/15/07 01:09
Chloroethane	A	***82***	6.6	30		ppbv	60	11/15/07 01:09 J
Chloroform	A	***1500***	63	290		ppbv	600	11/15/07 00:25
Chloromethane	A	***34***	4.2	120	J	ppbv	60	11/15/07 01:09
cis-1,2-Dichloroethene	A	***2600***	52	290		ppbv	600	11/15/07 00:25
cis-1,3-Dichloropropene	A	***ND***	6	30		ppbv	60	11/15/07 01:09
Dibromochloromethane	A	***ND***	4.2	30		ppbv	60	11/15/07 01:09
Ethyl benzene	A	***12000***	63	290		ppbv	600	11/15/07 00:25
m,p-Xylene	A	***70000***	320	1200		ppbv	3,00	11/14/07 23:41
Methylene chloride	A	***23000***	1100	1200		ppbv	3,00	11/14/07 23:41
o-Xylene	A	***26000***	320	1200		ppbv	3,00	11/14/07 23:41
Styrene	A	***280***	7.8	30		ppbv	60	11/15/07 01:09
Tetrachloroethene	A	***20000***	270	1200		ppbv	3,00	11/14/07 23:41
Toluene	A	***86000***	1500	6800		ppbv	5,00	11/21/07 19:54
trans-1,2-Dichloroethene	A	***52***	4.8	30		ppbv	60	11/15/07 01:09
trans-1,3-Dichloropropene	A	***ND***	6	30		ppbv	60	11/15/07 01:09
Trichloroethene	A	***9300***	63	290		ppbv	600	11/15/07 00:25
Vinyl chloride	A	***140***	4.8	30		ppbv	60	11/15/07 01:09
Surr: 4-Bromofluorobenzene	S	92.0	0	77.7-127		%REC	60	11/15/07 01:09

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CWS 2/11/08

ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-08A
Collection Date: 10/23/07 13:50
Date Received: 10/23/07 15:05

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **10/29/07 11:12** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/04/07 19:11
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/04/07 19:11
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/04/07 19:11
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 19:11
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 19:11
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/04/07 19:11
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/04/07 19:11
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/04/07 19:11
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/04/07 19:11
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/04/07 19:11
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/04/07 19:11
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/04/07 19:11
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/04/07 19:11
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/04/07 19:11
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/04/07 19:11
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/04/07 19:11
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/04/07 19:11
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/04/07 19:11
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/04/07 19:11
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/04/07 19:11
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/04/07 19:11
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
Bis(2-ethylhexyl)phthalate	A	6.2	1.1	10	J	µg, Total	1	11/04/07 19:11
Butyl benzyl phthalate	A	1.2	1	10	J	µg, Total	1	11/04/07 19:11
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/04/07 19:11
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 19:11
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/04/07 19:11
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/04/07 19:11
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/04/07 19:11
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/04/07 19:11

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OKS 7/11/08

ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-08A
Collection Date: 10/23/07 13:50
Date Received: 10/23/07 15:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	11/04/07 19:11
Isophorone	A	***ND***	1	10		µg, Total	1	11/04/07 19:11
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	11/04/07 19:11
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	11/04/07 19:11
Nitrobenzene	A	***ND***	1	10		µg, Total	1	11/04/07 19:11
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	11/04/07 19:11
Phenol	A	***ND***	0.4	10		µg, Total	1	11/04/07 19:11
Surr: 2,4,6-Tribromophenol	S	0	0	30-130	S	%REC	1	11/04/07 19:11
Surr: 2-Fluorobiphenyl	S	101	0	30-130		%REC	1	11/04/07 19:11
Surr: 2-Fluorophenol	S	0.0933	0	30-130	S	%REC	1	11/04/07 19:11
Surr: Nitrobenzene-d5	S	85.2	0	30-130		%REC	1	11/04/07 19:11
Surr: Phenol-d5	S	23.0	0	30-130	S	%REC	1	11/04/07 19:11
Surr: Terphenyl-d14	S	76.3	0	30-130		%REC	1	11/04/07 19:11
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **10/29/07 11:12**		Analyst: **BEM**
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	11/04/07 22:38
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	11/04/07 22:38
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 22:38
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	11/04/07 22:38
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	11/04/07 22:38
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 22:38
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	11/04/07 22:38
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	11/04/07 22:38
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	11/04/07 22:38
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	11/04/07 22:38
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	11/04/07 22:38
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	11/04/07 22:38
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	11/04/07 22:38
Naphthalene	A	***ND***	0.16	1.0		µg, Total	1	11/04/07 22:38
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	11/04/07 22:38
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	11/04/07 22:38
Surr: Nitrobenzene-d5	S	79.1	0	30-130		%REC	1	11/04/07 22:38
Surr: 2-Fluorobiphenyl	S	97.8	0	30-130		%REC	1	11/04/07 22:38
Surr: Terphenyl-d14	S	82.6	0	30-130		%REC	1	11/04/07 22:38

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ANALYTICAL RESULTS

Date: *Tuesday, November 27, 2007*

Client: MWH, Inc.
Client Project: Oct. 2007 - Monthly Air / ACS
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0710A00-08B
Collection Date: 10/23/07 13:50
Date Received: 10/23/07 15:05

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,1,1-Trichloroethane	A	*4300*	46	290		ppbv	600	11/17/07 09:27	
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/17/07 10:09	
1,1,2-Trichloroethane	A	*ND*	6.6	30		ppbv	60	11/17/07 10:09	
1,1-Dichloroethane	A	*500*	6	30		ppbv	60	11/17/07 10:09	
1,1-Dichloroethene	A	*540*	4.2	30		ppbv	60	11/17/07 10:09	
1,2-Dichloroethane	A	*68*	6	30		ppbv	60	11/17/07 10:09	J
1,2-Dichloropropane	A	*ND*	5.4	30		ppbv	60	11/17/07 10:09	
2-Butanone	A	*3300*	120	1200		ppbv	600	11/17/07 09:27	J
2-Hexanone	A	*ND*	6.6	120		ppbv	60	11/17/07 10:09	
4-Methyl-2-Pentanone	A	*550*	9.6	30		ppbv	60	11/17/07 10:09	J
Acetone	A	*3800*	69	1200		ppbv	600	11/17/07 09:27	
Benzene	A	*2900*	58	290		ppbv	600	11/17/07 09:27	
Bromodichloromethane	A	*ND*	6	30		ppbv	60	11/17/07 10:09	
Bromoform	A	*ND*	5.4	30		ppbv	60	11/17/07 10:09	
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/17/07 10:09	UJ
Carbon disulfide	A	*2200*	190	290		ppbv	600	11/17/07 09:27	
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/17/07 10:09	
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/17/07 10:09	
Chloroethane	A	*ND*	6.6	30		ppbv	60	11/17/07 10:09	UJ
Chloroform	A	*130*	6.6	30		ppbv	60	11/17/07 10:09	J
Chloromethane	A	*ND*	4.2	120		ppbv	60	11/17/07 10:09	
cis-1,2-Dichloroethene	A	*430*	5.4	30		ppbv	60	11/17/07 10:09	J
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/17/07 10:09	
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/17/07 10:09	
Ethyl benzene	A	*2300*	63	290		ppbv	600	11/17/07 09:27	
m,p-Xylene	A	*8500*	75	290		ppbv	600	11/17/07 09:27	
Methylene chloride	A	*3400*	250	290		ppbv	600	11/17/07 09:27	UBJ
o-Xylene	A	*3300*	75	290		ppbv	600	11/17/07 09:27	
Styrene	A	*320*	7.8	30		ppbv	60	11/17/07 10:09	
Tetrachloroethene	A	*5200*	63	290		ppbv	600	11/17/07 09:27	
Toluene	A	*32000*	270	1200		ppbv	3,000	11/17/07 08:44	
trans-1,2-Dichloroethene	A	*16*	4.8	30	J	ppbv	60	11/17/07 10:09	J
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/17/07 10:09	
Trichloroethene	A	*3100*	63	290		ppbv	600	11/17/07 09:27	
Vinyl chloride	A	*49*	4.8	30		ppbv	60	11/17/07 10:09	J
Surr: 4-Bromofluorobenzene	S	100	0	77.7-127		%REC	60	11/17/07 10:09	

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November 8, 2007 Off-Gas Sample Laboratory Results

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #1 OFFSITE ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-01A
Collection Date: 11/15/07 09:40
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	*1.7*	0.9	10	J	µg, Total	1	11/21/07 21:56
1,2-Dichlorobenzene	A	*27*	0.7	10		µg, Total	1	11/21/07 21:56
1,3-Dichlorobenzene	A	*1.1*	0.8	10	J	µg, Total	1	11/21/07 21:56
1,4-Dichlorobenzene	A	*3.5*	0.9	10	J	µg, Total	1	11/21/07 21:56
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	11/21/07 21:56
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	11/21/07 21:56
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	11/21/07 21:56
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	11/21/07 21:56
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	11/21/07 21:56
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	11/21/07 21:56
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	11/21/07 21:56
2-Methylnaphthalene	A	*8*	0.9	10	J	µg, Total	1	11/21/07 21:56
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	11/21/07 21:56
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	11/21/07 21:56
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	11/21/07 21:56
3,3´-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	11/21/07 21:56
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	11/21/07 21:56
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	11/21/07 21:56
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	11/21/07 21:56
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	11/21/07 21:56
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	11/21/07 21:56
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	11/21/07 21:56
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	11/21/07 21:56
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	11/21/07 21:56
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
Bis(2-ethylhexyl)phthalate	A	*2.8*	1.1	10	J	µg, Total	1	11/21/07 21:56
Butyl benzyl phthalate	A	*1.3*	1	10	J	µg, Total	1	11/21/07 21:56
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	11/21/07 21:56
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/21/07 21:56
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	11/21/07 21:56
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/21/07 21:56
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	11/21/07 21:56
Hexachlorobutadiene	A	*3.5*	0.9	10	J	µg, Total	1	11/21/07 21:56
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	11/21/07 21:56

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #1 OFFSITE ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-01A
Collection Date: 11/15/07 09:40
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**		Analyst: **BEM**
Hexachloroethane	A	ND	0.9	10		µg, Total	1	11/21/07 21:56
Isophorone	A	28	1	10		µg, Total	1	11/21/07 21:56
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	11/21/07 21:56
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	11/21/07 21:56
Nitrobenzene	A	ND	1	10		µg, Total	1	11/21/07 21:56
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	11/21/07 21:56
Phenol	A	ND	0.4	10		µg, Total	1	11/21/07 21:56
Surr: 2,4,6-Tribromophenol	S	29.2	0	30-130	SI	%REC	1	11/21/07 21:56
Surr: 2-Fluorobiphenyl	S	63.6	0	30-130		%REC	1	11/21/07 21:56
Surr: 2-Fluorophenol	S	0	0	30-130	SI	%REC	1	11/21/07 21:56
Surr: Nitrobenzene-d5	S	66.3	0	30-130		%REC	1	11/21/07 21:56
Surr: Phenol-d5	S	70.1	0	30-130		%REC	1	11/21/07 21:56
Surr: Terphenyl-d14	S	72.2	0	30-130		%REC	1	11/21/07 21:56
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**		Analyst: **BEM**
Acenaphthene	A	0.26	0.21	1.0	J	µg, Total	1	11/26/07 21:24
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	11/26/07 21:24
Anthracene	A	ND	0.27	1.0		µg, Total	1	11/26/07 21:24
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	11/26/07 21:24
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	11/26/07 21:24
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	11/26/07 21:24
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	11/26/07 21:24
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	11/26/07 21:24
Chrysene	A	ND	0.57	1.0		µg, Total	1	11/26/07 21:24
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	11/26/07 21:24
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	11/26/07 21:24
Fluorene	A	ND	0.25	1.0		µg, Total	1	11/26/07 21:24
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	11/26/07 21:24
Naphthalene	A	43	0.16	1.0		µg, Total	1	11/26/07 21:24
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	11/26/07 21:24
Pyrene	A	ND	0.44	1.0		µg, Total	1	11/26/07 21:24
Surr: Nitrobenzene-d5	S	76.6	0	30-130		%REC	1	11/26/07 21:24
Surr: 2-Fluorobiphenyl	S	78.1	0	30-130		%REC	1	11/26/07 21:24
Surr: Terphenyl-d14	S	70.9	0	30-130		%REC	1	11/26/07 21:24

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #1 OFFSITE ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-01B
Collection Date: 11/15/07 09:40
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*19000*	200	1200		ppbv	3,00	11/30/07 15:05
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/30/07 16:46
1,1,2-Trichloroethane	A	*150*	6.6	30		ppbv	60	11/30/07 16:46
1,1-Dichloroethane	A	*2900*	58	290		ppbv	600	11/30/07 16:03
1,1-Dichloroethene	A	*74*	4.2	30		ppbv	60	11/30/07 16:46
1,2-Dichloroethane	A	*500*	6	30		ppbv	60	11/30/07 16:46
1,2-Dichloropropane	A	*120*	5.4	30		ppbv	60	11/30/07 16:46
2-Butanone	A	*14000*	520	5000		ppbv	3,00	11/30/07 15:05
2-Hexanone	A	*190*	6.6	120		ppbv	60	11/30/07 16:46
4-Methyl-2-Pentanone	A	*5200*	92	290		ppbv	600	11/30/07 16:03
Acetone	A	*19000*	300	5000		ppbv	3,00	11/30/07 15:05
Benzene	A	*6900*	58	290		ppbv	600	11/30/07 16:03
Bromodichloromethane	A	*ND*	6	30		ppbv	60	11/30/07 16:46
Bromoform	A	*ND*	5.4	30		ppbv	60	11/30/07 16:46
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/30/07 16:46
Carbon disulfide	A	*150*	20	30		ppbv	60	11/30/07 16:46
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/30/07 16:46
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/30/07 16:46
Chloroethane	A	*54*	6.6	30		ppbv	60	11/30/07 16:46
Chloroform	A	*1500*	63	290		ppbv	600	11/30/07 16:03
Chloromethane	A	*28*	4.2	120	J	ppbv	60	11/30/07 16:46
cis-1,2-Dichloroethene	A	*1200*	5.4	30		ppbv	60	11/30/07 16:46
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 16:46
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/30/07 16:46
Ethyl benzene	A	*8300*	63	290		ppbv	600	11/30/07 16:03
m,p-Xylene	A	*44000*	320	2500		ppbv	3,00	11/30/07 15:05
Methylene chloride	A	*24000*	1100	10000		ppbv	3,00	11/30/07 15:05
o-Xylene	A	*18000*	320	1200		ppbv	3,00	11/30/07 15:05
Styrene	A	*210*	7.8	30		ppbv	60	11/30/07 16:46
Tetrachloroethene	A	*10000*	63	290		ppbv	600	11/30/07 16:03
Toluene	A	*6100*	190	880		ppbv	,80	12/04/07 12:46
trans-1,2-Dichloroethene	A	*34*	4.8	30		ppbv	60	11/30/07 16:46
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 16:46
Trichloroethene	A	*9600*	63	290		ppbv	600	11/30/07 16:03
Vinyl chloride	A	*110*	4.8	30		ppbv	60	11/30/07 16:46
Surr: 4-Bromofluorobenzene	S	91.8	0	77.7-127		%REC	60	11/30/07 16:46

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-02A
Collection Date: 11/15/07 09:42
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	*3.7*	0.9	10	J	µg, Total	1	11/21/07 22:20	
1,2-Dichlorobenzene	A	*18*	0.7	10		µg, Total	1	11/21/07 22:20	
1,3-Dichlorobenzene	A	*2.2*	0.8	10	J	µg, Total	1	11/21/07 22:20	
1,4-Dichlorobenzene	A	*4.2*	0.9	10	J	µg, Total	1	11/21/07 22:20	
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	11/21/07 22:20	R
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	11/21/07 22:20	
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	11/21/07 22:20	
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	11/21/07 22:20	
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	11/21/07 22:20	
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	11/21/07 22:20	
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	11/21/07 22:20	R
2-Methylnaphthalene	A	*3.6*	0.9	10	J	µg, Total	1	11/21/07 22:20	
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	11/21/07 22:20	R
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	11/21/07 22:20	
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	11/21/07 22:20	R
3,3'-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	11/21/07 22:20	
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	11/21/07 22:20	
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	11/21/07 22:20	R
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	11/21/07 22:20	R
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	11/21/07 22:20	R
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	11/21/07 22:20	
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	11/21/07 22:20	
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	11/21/07 22:20	R
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	11/21/07 22:20	
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
Bis(2-ethylhexyl)phthalate	A	*3*	1.1	10	J	µg, Total	1	11/21/07 22:20	
Butyl benzyl phthalate	A	*ND*	1	10		µg, Total	1	11/21/07 22:20	
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	11/21/07 22:20	
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/21/07 22:20	
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	11/21/07 22:20	
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/21/07 22:20	
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20	
Hexachlorobutadiene	A	*7.3*	0.9	10	J	µg, Total	1	11/21/07 22:20	
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	11/21/07 22:20	

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-02A
Collection Date: 11/15/07 09:42
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Hexachloroethane	A	*ND*	0.9	10		µg, Total	1	11/21/07 22:20
Isophorone	A	*ND*	1	10		µg, Total	1	11/21/07 22:20
N-Nitrosodi-n-propylamine	A	*ND*	1	10		µg, Total	1	11/21/07 22:20
N-Nitrosodiphenylamine	A	*ND*	0.7	10		µg, Total	1	11/21/07 22:20
Nitrobenzene	A	*ND*	1	10		µg, Total	1	11/21/07 22:20
Pentachlorophenol	A	*ND*	1.3	50		µg, Total	1	11/21/07 22:20
Phenol	A	*ND*	0.4	10		µg, Total	1	11/21/07 22:20
Surr: 2,4,6-Tribromophenol	S	28.9	0	30-130	SI	%REC	1	11/21/07 22:20
Surr: 2-Fluorobiphenyl	S	62.4	0	30-130		%REC	1	11/21/07 22:20
Surr: 2-Fluorophenol	S	0	0	30-130	SI	%REC	1	11/21/07 22:20
Surr: Nitrobenzene-d5	S	60.5	0	30-130		%REC	1	11/21/07 22:20
Surr: Phenol-d5	S	65.3	0	30-130		%REC	1	11/21/07 22:20
Surr: Terphenyl-d14	S	72.7	0	30-130		%REC	1	11/21/07 22:20
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Acenaphthene	A	*ND*	0.21	1.0		µg, Total	1	11/26/07 21:51
Acenaphthylene	A	*ND*	0.22	1.0		µg, Total	1	11/26/07 21:51
Anthracene	A	*ND*	0.27	1.0		µg, Total	1	11/26/07 21:51
Benzo[a]anthracene	A	*ND*	0.47	1.0		µg, Total	1	11/26/07 21:51
Benzo[a]pyrene	A	*ND*	0.38	1.0		µg, Total	1	11/26/07 21:51
Benzo[b]fluoranthene	A	*ND*	0.44	1.0		µg, Total	1	11/26/07 21:51
Benzo[g,h,i]perylene	A	*ND*	0.72	1.0		µg, Total	1	11/26/07 21:51
Benzo[k]fluoranthene	A	*ND*	0.8	1.0		µg, Total	1	11/26/07 21:51
Chrysene	A	*ND*	0.57	1.0		µg, Total	1	11/26/07 21:51
Dibenz[a,h]anthracene	A	*ND*	0.54	1.0		µg, Total	1	11/26/07 21:51
Fluoranthene	A	*ND*	0.39	1.0		µg, Total	1	11/26/07 21:51
Fluorene	A	*ND*	0.25	1.0		µg, Total	1	11/26/07 21:51
Indeno[1,2,3cd]pyrene	A	*ND*	0.56	1.0		µg, Total	1	11/26/07 21:51
Naphthalene	A	*10*	0.16	1.0		µg, Total	1	11/26/07 21:51
Phenanthrene	A	*ND*	0.27	1.0		µg, Total	1	11/26/07 21:51
Pyrene	A	*0.44*	0.44	1.0	J	µg, Total	1	11/26/07 21:51
Surr: Nitrobenzene-d5	S	68.1	0	30-130		%REC	1	11/26/07 21:51
Surr: 2-Fluorobiphenyl	S	76.8	0	30-130		%REC	1	11/26/07 21:51
Surr: Terphenyl-d14	S	74.7	0	30-130		%REC	1	11/26/07 21:51

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-02B
Collection Date: 11/15/07 09:42
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*7200*	46	290		ppbv	600	11/30/07 18:13
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/30/07 18:56
1,1,2-Trichloroethane	A	*39*	6.6	30		ppbv	60	11/30/07 18:56
1,1-Dichloroethane	A	*1800*	58	290		ppbv	600	11/30/07 18:13
1,1-Dichloroethene	A	*87*	4.2	30		ppbv	60	11/30/07 18:56
1,2-Dichloroethane	A	*190*	6	30		ppbv	60	11/30/07 18:56
1,2-Dichloropropane	A	*150*	5.4	30		ppbv	60	11/30/07 18:56
2-Butanone	A	*210*	13	120		ppbv	60	11/30/07 18:56
2-Hexanone	A	*34*	6.6	120	J	ppbv	60	11/30/07 18:56
4-Methyl-2-Pentanone	A	*1000*	9.6	30		ppbv	60	11/30/07 18:56
Acetone	A	*540*	7.2	120		ppbv	60	11/30/07 18:56
Benzene	A	*1200*	58	290		ppbv	600	11/30/07 18:13
Bromodichloromethane	A	*41*	6	30		ppbv	60	11/30/07 18:56
Bromoform	A	*ND*	5.4	30		ppbv	60	11/30/07 18:56
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/30/07 18:56
Carbon disulfide	A	*410*	20	30		ppbv	60	11/30/07 18:56
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/30/07 18:56
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/30/07 18:56
Chloroethane	A	*530*	6.6	30		ppbv	60	11/30/07 18:56
Chloroform	A	*2300*	63	290		ppbv	600	11/30/07 18:13
Chloromethane	A	*6*	4.2	120	J	ppbv	60	11/30/07 18:56
cis-1,2-Dichloroethene	A	*10000*	52	290		ppbv	600	11/30/07 18:13
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 18:56
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/30/07 18:56
Ethyl benzene	A	*2800*	63	290		ppbv	600	11/30/07 18:13
m,p-Xylene	A	*9700*	75	580		ppbv	600	11/30/07 18:13
Methylene chloride	A	*3900*	250	2300		ppbv	600	11/30/07 18:13
o-Xylene	A	*4600*	75	290		ppbv	600	11/30/07 18:13
Styrene	A	*58*	7.8	30		ppbv	60	11/30/07 18:56
Tetrachloroethene	A	*9300*	63	290		ppbv	600	11/30/07 18:13
Toluene	A	*10000*	63	290		ppbv	600	11/30/07 18:13
trans-1,2-Dichloroethene	A	*110*	4.8	30		ppbv	60	11/30/07 18:56
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 18:56
Trichloroethene	A	*5000*	63	290		ppbv	600	11/30/07 18:13
Vinyl chloride	A	*2200*	46	290		ppbv	600	11/30/07 18:13
Surr: 4-Bromofluorobenzene	S	96.2	0	77.7-127		%REC	60	11/30/07 18:56

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-03A
Collection Date: 11/15/07 10:15
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/21/07 22:43
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/21/07 22:43
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/21/07 22:43
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/21/07 22:43
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/21/07 22:43
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/21/07 22:43
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/21/07 22:43
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/21/07 22:43
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/21/07 22:43
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/21/07 22:43
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/21/07 22:43
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/21/07 22:43
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/21/07 22:43
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/21/07 22:43
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/21/07 22:43
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/21/07 22:43
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/21/07 22:43
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/21/07 22:43
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/21/07 22:43
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/21/07 22:43
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/21/07 22:43
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
Bis(2-ethylhexyl)phthalate	A	2.4	1.1	10	J	µg, Total	1	11/21/07 22:43
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	11/21/07 22:43
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/21/07 22:43
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/21/07 22:43
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/21/07 22:43
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/21/07 22:43
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/21/07 22:43

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-03A
Collection Date: 11/15/07 10:15
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	11/21/07 22:43
Isophorone	A	ND	1	10		µg, Total	1	11/21/07 22:43
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	11/21/07 22:43
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	11/21/07 22:43
Nitrobenzene	A	ND	1	10		µg, Total	1	11/21/07 22:43
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	11/21/07 22:43
Phenol	A	ND	0.4	10		µg, Total	1	11/21/07 22:43
Surr: 2,4,6-Tribromophenol	S	21.0	0	30-130	SI	%REC	1	11/21/07 22:43
Surr: 2-Fluorobiphenyl	S	54.2	0	30-130		%REC	1	11/21/07 22:43
Surr: 2-Fluorophenol	S	0.187	0	30-130	SI	%REC	1	11/21/07 22:43
Surr: Nitrobenzene-d5	S	54.0	0	30-130		%REC	1	11/21/07 22:43
Surr: Phenol-d5	S	62.0	0	30-130		%REC	1	11/21/07 22:43
Surr: Terphenyl-d14	S	58.9	0	30-130		%REC	1	11/21/07 22:43
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	11/26/07 22:16
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	11/26/07 22:16
Anthracene	A	ND	0.27	1.0		µg, Total	1	11/26/07 22:16
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	11/26/07 22:16
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	11/26/07 22:16
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	11/26/07 22:16
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	11/26/07 22:16
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	11/26/07 22:16
Chrysene	A	ND	0.57	1.0		µg, Total	1	11/26/07 22:16
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	11/26/07 22:16
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	11/26/07 22:16
Fluorene	A	2.2	0.25	1.0		µg, Total	1	11/26/07 22:16
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	11/26/07 22:16
Naphthalene	A	0.22	0.16	1.0	J	µg, Total	1	11/26/07 22:16
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	11/26/07 22:16
Pyrene	A	ND	0.44	1.0		µg, Total	1	11/26/07 22:16
Surr: Nitrobenzene-d5	S	65.1	0	30-130		%REC	1	11/26/07 22:16
Surr: 2-Fluorobiphenyl	S	66.0	0	30-130		%REC	1	11/26/07 22:16
Surr: Terphenyl-d14	S	58.4	0	30-130		%REC	1	11/26/07 22:16

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-03B
Collection Date: 11/15/07 10:15
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*6600*	46	290		ppbv	600	11/30/07 20:22
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/30/07 21:05
1,1,2-Trichloroethane	A	*35*	6.6	30		ppbv	60	11/30/07 21:05
1,1-Dichloroethane	A	*1600*	58	290		ppbv	600	11/30/07 20:22
1,1-Dichloroethene	A	*61*	4.2	30		ppbv	60	11/30/07 21:05
1,2-Dichloroethane	A	*180*	6	30		ppbv	60	11/30/07 21:05
1,2-Dichloropropane	A	*140*	5.4	30		ppbv	60	11/30/07 21:05
2-Butanone	A	*160*	13	120		ppbv	60	11/30/07 21:05
2-Hexanone	A	*30*	6.6	120	J	ppbv	60	11/30/07 21:05
4-Methyl-2-Pentanone	A	*890*	9.6	30		ppbv	60	11/30/07 21:05
Acetone	A	*380*	7.2	120		ppbv	60	11/30/07 21:05
Benzene	A	*1100*	58	290		ppbv	600	11/30/07 20:22
Bromodichloromethane	A	*ND*	6	30		ppbv	60	11/30/07 21:05
Bromoform	A	*ND*	5.4	30		ppbv	60	11/30/07 21:05
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/30/07 21:05
Carbon disulfide	A	*410*	20	30		ppbv	60	11/30/07 21:05
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/30/07 21:05
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/30/07 21:05
Chloroethane	A	*380*	6.6	30		ppbv	60	11/30/07 21:05
Chloroform	A	*2000*	63	290		ppbv	600	11/30/07 20:22
Chloromethane	A	*ND*	4.2	120		ppbv	60	11/30/07 21:05
cis-1,2-Dichloroethene	A	*9600*	52	290		ppbv	600	11/30/07 20:22
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 21:05
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/30/07 21:05
Ethyl benzene	A	*2400*	63	290		ppbv	600	11/30/07 20:22
m,p-Xylene	A	*8400*	75	580		ppbv	600	11/30/07 20:22
Methylene chloride	A	*3400*	250	2300		ppbv	600	11/30/07 20:22
o-Xylene	A	*4100*	75	290		ppbv	600	11/30/07 20:22
Styrene	A	*59*	7.8	30		ppbv	60	11/30/07 21:05
Tetrachloroethene	A	*7900*	63	290		ppbv	600	11/30/07 20:22
Toluene	A	*8800*	63	290		ppbv	600	11/30/07 20:22
trans-1,2-Dichloroethene	A	*83*	4.8	30		ppbv	60	11/30/07 21:05
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 21:05
Trichloroethene	A	*4500*	63	290		ppbv	600	11/30/07 20:22
Vinyl chloride	A	*1600*	46	290		ppbv	600	11/30/07 20:22
Surr: 4-Bromofluorobenzene	S	97.3	0	77.7-127		%REC	60	11/30/07 21:05

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GLS 2/1/08

ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-04A
Collection Date: 11/15/07 10:45
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/21/07 23:07
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/21/07 23:07
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/21/07 23:07
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/21/07 23:07
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/21/07 23:07
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/21/07 23:07
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/21/07 23:07
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/21/07 23:07
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/21/07 23:07
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/21/07 23:07
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/21/07 23:07
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/21/07 23:07
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/21/07 23:07
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/21/07 23:07
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/21/07 23:07
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/21/07 23:07
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/21/07 23:07
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/21/07 23:07
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/21/07 23:07
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/21/07 23:07
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/21/07 23:07
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
Bis(2-ethylhexyl)phthalate	A	2.4	1.1	10	J	µg, Total	1	11/21/07 23:07
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	11/21/07 23:07
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/21/07 23:07
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/21/07 23:07
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/21/07 23:07
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/21/07 23:07
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/21/07 23:07

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-04A
Collection Date: 11/15/07 10:45
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	11/21/07 23:07
Isophorone	A	ND	1	10		µg, Total	1	11/21/07 23:07
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	11/21/07 23:07
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	11/21/07 23:07
Nitrobenzene	A	ND	1	10		µg, Total	1	11/21/07 23:07
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	11/21/07 23:07
Phenol	A	ND	0.4	10		µg, Total	1	11/21/07 23:07
Surr: 2,4,6-Tribromophenol	S	18.5	0	30-130	SI	%REC	1	11/21/07 23:07
Surr: 2-Fluorobiphenyl	S	61.7	0	30-130		%REC	1	11/21/07 23:07
Surr: 2-Fluorophenol	S	0.293	0	30-130	SI	%REC	1	11/21/07 23:07
Surr: Nitrobenzene-d5	S	62.7	0	30-130		%REC	1	11/21/07 23:07
Surr: Phenol-d5	S	61.8	0	30-130		%REC	1	11/21/07 23:07
Surr: Terphenyl-d14	S	65.4	0	30-130		%REC	1	11/21/07 23:07
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	11/26/07 22:43
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	11/26/07 22:43
Anthracene	A	ND	0.27	1.0		µg, Total	1	11/26/07 22:43
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	11/26/07 22:43
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	11/26/07 22:43
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	11/26/07 22:43
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	11/26/07 22:43
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	11/26/07 22:43
Chrysene	A	ND	0.57	1.0		µg, Total	1	11/26/07 22:43
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	11/26/07 22:43
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	11/26/07 22:43
Fluorene	A	ND	0.25	1.0		µg, Total	1	11/26/07 22:43
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	11/26/07 22:43
Naphthalene	A	*0.4*	0.16	1.0	J	µg, Total	1	11/26/07 22:43
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	11/26/07 22:43
Pyrene	A	ND	0.44	1.0		µg, Total	1	11/26/07 22:43
Surr: Nitrobenzene-d5	S	68.3	0	30-130		%REC	1	11/26/07 22:43
Surr: 2-Fluorobiphenyl	S	67.2	0	30-130		%REC	1	11/26/07 22:43
Surr: Terphenyl-d14	S	60.5	0	30-130		%REC	1	11/26/07 22:43

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-04B
Collection Date: 11/15/07 10:45
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*7900*	46	290		ppbv	600	11/30/07 22:31
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	11/30/07 23:14
1,1,2-Trichloroethane	A	*47*	6.6	30		ppbv	60	11/30/07 23:14
1,1-Dichloroethane	A	*1900*	58	290		ppbv	600	11/30/07 22:31
1,1-Dichloroethene	A	*71*	4.2	30		ppbv	60	11/30/07 23:14
1,2-Dichloroethane	A	*210*	6	30		ppbv	60	11/30/07 23:14
1,2-Dichloropropane	A	*170*	5.4	30		ppbv	60	11/30/07 23:14
2-Butanone	A	*200*	13	120		ppbv	60	11/30/07 23:14
2-Hexanone	A	*ND*	6.6	120		ppbv	60	11/30/07 23:14
4-Methyl-2-Pentanone	A	*1100*	9.6	30		ppbv	60	11/30/07 23:14
Acetone	A	*560*	7.2	120		ppbv	60	11/30/07 23:14
Benzene	A	*1300*	58	290		ppbv	600	11/30/07 22:31
Bromodichloromethane	A	*46*	6	30		ppbv	60	11/30/07 23:14
Bromoform	A	*ND*	5.4	30		ppbv	60	11/30/07 23:14
Bromomethane	A	*ND*	4.8	30		ppbv	60	11/30/07 23:14
Carbon disulfide	A	*200*	20	30		ppbv	60	11/30/07 23:14
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	11/30/07 23:14
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	11/30/07 23:14
Chloroethane	A	*450*	6.6	30		ppbv	60	11/30/07 23:14
Chloroform	A	*2400*	63	290		ppbv	600	11/30/07 22:31
Chloromethane	A	*ND*	4.2	120		ppbv	60	11/30/07 23:14
cis-1,2-Dichloroethene	A	*11000*	52	290		ppbv	600	11/30/07 22:31
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 23:14
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	11/30/07 23:14
Ethyl benzene	A	*3100*	63	290		ppbv	600	11/30/07 22:31
m,p-Xylene	A	*11000*	75	580		ppbv	600	11/30/07 22:31
Methylene chloride	A	*3900*	250	2300		ppbv	600	11/30/07 22:31
o-Xylene	A	*5200*	75	290		ppbv	600	11/30/07 22:31
Styrene	A	*83*	7.8	30		ppbv	60	11/30/07 23:14
Tetrachloroethene	A	*9700*	63	290		ppbv	600	11/30/07 22:31
Toluene	A	*10000*	63	290		ppbv	600	11/30/07 22:31
trans-1,2-Dichloroethene	A	*94*	4.8	30		ppbv	60	11/30/07 23:14
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	11/30/07 23:14
Trichloroethene	A	*5400*	63	290		ppbv	600	11/30/07 22:31
Vinyl chloride	A	*2100*	46	290		ppbv	600	11/30/07 22:31
Surr: 4-Bromofluorobenzene	S	95.1	0	77.7-127		%REC	60	11/30/07 23:14

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-05A
Collection Date: 11/15/07 10:25
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/26/07 19:51	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/26/07 19:51	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/26/07 19:51	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/26/07 19:51	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/26/07 19:51	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/26/07 19:51	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/26/07 19:51	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/26/07 19:51	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/26/07 19:51	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/26/07 19:51	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/26/07 19:51	
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/26/07 19:51	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/26/07 19:51	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/26/07 19:51	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/26/07 19:51	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/26/07 19:51	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/26/07 19:51	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/26/07 19:51	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/26/07 19:51	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/26/07 19:51	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/26/07 19:51	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
Bis(2-ethylhexyl)phthalate	A	2.9	1.1	10	J	µg, Total	1	11/26/07 19:51	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	11/26/07 19:51	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/26/07 19:51	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/26/07 19:51	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/26/07 19:51	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/26/07 19:51	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/26/07 19:51	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/26/07 19:51	

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-05A
Collection Date: 11/15/07 10:25
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	11/26/07 19:51
Isophorone	A	ND	1	10		µg, Total	1	11/26/07 19:51
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	11/26/07 19:51
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	11/26/07 19:51
Nitrobenzene	A	ND	1	10		µg, Total	1	11/26/07 19:51
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	11/26/07 19:51
Phenol	A	10	0.4	10		µg, Total	1	11/26/07 19:51
Surr: 2,4,6-Tribromophenol	S	32.5	0	30-130		%REC	1	11/26/07 19:51
Surr: 2-Fluorobiphenyl	S	67.2	0	30-130		%REC	1	11/26/07 19:51
Surr: 2-Fluorophenol	S	0.260	0	30-130	S	%REC	1	11/26/07 19:51
Surr: Nitrobenzene-d5	S	68.9	0	30-130		%REC	1	11/26/07 19:51
Surr: Phenol-d5	S	68.1	0	30-130		%REC	1	11/26/07 19:51
Surr: Terphenyl-d14	S	73.7	0	30-130		%REC	1	11/26/07 19:51
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	11/26/07 23:35
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	11/26/07 23:35
Anthracene	A	ND	0.27	1.0		µg, Total	1	11/26/07 23:35
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	11/26/07 23:35
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	11/26/07 23:35
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	11/26/07 23:35
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	11/26/07 23:35
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	11/26/07 23:35
Chrysene	A	ND	0.57	1.0		µg, Total	1	11/26/07 23:35
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	11/26/07 23:35
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	11/26/07 23:35
Fluorene	A	ND	0.25	1.0		µg, Total	1	11/26/07 23:35
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	11/26/07 23:35
Naphthalene	A	ND	0.16	1.0		µg, Total	1	11/26/07 23:35
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	11/26/07 23:35
Pyrene	A	ND	0.44	1.0		µg, Total	1	11/26/07 23:35
Surr: Nitrobenzene-d5	S	73.5	0	30-130		%REC	1	11/26/07 23:35
Surr: 2-Fluorobiphenyl	S	67.6	0	30-130		%REC	1	11/26/07 23:35
Surr: Terphenyl-d14	S	62.8	0	30-130		%REC	1	11/26/07 23:35

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-05B
Collection Date: 11/15/07 10:25
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*48*	0.77	4.8		ppbv	10	11/26/07 16:38
1,1,2,2-Tetrachloroethane	A	*ND*	0.14	0.50		ppbv	1	11/26/07 17:20
1,1,2-Trichloroethane	A	*0.58*	0.11	0.50		ppbv	1	11/26/07 17:20
1,1-Dichloroethane	A	*8.6*	0.1	0.50		ppbv	1	11/26/07 17:20
1,1-Dichloroethene	A	*0.62*	0.07	0.50		ppbv	1	11/26/07 17:20
1,2-Dichloroethane	A	*2.2*	0.1	0.50		ppbv	1	11/26/07 17:20
1,2-Dichloropropane	A	*0.53*	0.09	0.50		ppbv	1	11/26/07 17:20
2-Butanone	A	*190*	2	19		ppbv	10	11/26/07 16:38
2-Hexanone	A	*3.1*	0.11	2.0		ppbv	1	11/26/07 17:20
4-Methyl-2-Pentanone	A	*50*	1.5	4.8		ppbv	10	11/26/07 16:38
Acetone	A	*390*	5	83		ppbv	50	11/26/07 15:56
Benzene	A	*16*	0.1	0.50		ppbv	1	11/26/07 17:20
Bromodichloromethane	A	*ND*	0.1	0.50		ppbv	1	11/26/07 17:20
Bromoform	A	*ND*	0.09	0.50		ppbv	1	11/26/07 17:20
Bromomethane	A	*ND*	0.08	0.50		ppbv	1	11/26/07 17:20
Carbon disulfide	A	*ND*	0.33	0.50		ppbv	1	11/26/07 17:20
Carbon tetrachloride	A	*ND*	0.11	0.50		ppbv	1	11/26/07 17:20
Chlorobenzene	A	*ND*	0.11	0.50		ppbv	1	11/26/07 17:20
Chloroethane	A	*ND*	0.11	0.50		ppbv	1	11/26/07 17:20
Chloroform	A	*4.9*	0.11	0.50		ppbv	1	11/26/07 17:20
Chloromethane	A	*0.61*	0.07	2.0	J	ppbv	1	11/26/07 17:20
cis-1,2-Dichloroethene	A	*6.1*	0.09	0.50		ppbv	1	11/26/07 17:20
cis-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	11/26/07 17:20
Dibromochloromethane	A	*ND*	0.07	0.50		ppbv	1	11/26/07 17:20
Ethyl benzene	A	*38*	1.1	4.8		ppbv	10	11/26/07 16:38
m,p-Xylene	A	*150*	1.2	9.6		ppbv	10	11/26/07 16:38
Methylene chloride	A	*65*	4.1	38		ppbv	10	11/26/07 16:38
o-Xylene	A	*61*	1.2	4.8		ppbv	10	11/26/07 16:38
Styrene	A	*1.4*	0.13	0.50		ppbv	1	11/26/07 17:20
Tetrachloroethene	A	*55*	1.1	4.8		ppbv	10	11/26/07 16:38
Toluene	A	*370*	4.6	21		ppbv	50	11/26/07 15:56
trans-1,2-Dichloroethene	A	*0.27*	0.08	0.50	J	ppbv	1	11/26/07 17:20
trans-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	11/26/07 17:20
Trichloroethene	A	*45*	1.1	4.8		ppbv	10	11/26/07 16:38
Vinyl chloride	A	*0.47*	0.08	0.50	J	ppbv	1	11/26/07 17:20
Surr: 4-Bromofluorobenzene	S	95.7	0	77.7-127		%REC	1	11/26/07 17:20

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-06A
Collection Date: 11/15/07 11:10
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
1,2-Dichlorobenzene	A	21	0.7	10		µg, Total	1	11/26/07 20:15	
1,3-Dichlorobenzene	A	0.93	0.8	10	J	µg, Total	1	11/26/07 20:15	
1,4-Dichlorobenzene	A	3.6	0.9	10	J	µg, Total	1	11/26/07 20:15	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/26/07 20:15	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/26/07 20:15	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/26/07 20:15	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/26/07 20:15	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/26/07 20:15	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/26/07 20:15	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/26/07 20:15	
2-Methylnaphthalene	A	2	0.9	10	J	µg, Total	1	11/26/07 20:15	R
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/26/07 20:15	
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/26/07 20:15	R
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/26/07 20:15	
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/26/07 20:15	R
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/26/07 20:15	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/26/07 20:15	
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/26/07 20:15	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	R
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/26/07 20:15	
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/26/07 20:15	R
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/26/07 20:15	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/26/07 20:15	
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/26/07 20:15	R
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
Bis(2-ethylhexyl)phthalate	A	11	1.1	10		µg, Total	1	11/26/07 20:15	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	11/26/07 20:15	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/26/07 20:15	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/26/07 20:15	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/26/07 20:15	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/26/07 20:15	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 20:15	
Hexachlorobutadiene	A	1.9	0.9	10	J	µg, Total	1	11/26/07 20:15	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/26/07 20:15	

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-06A
Collection Date: 11/15/07 11:10
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Hexachloroethane	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:15
Isophorone	A	*9*	1	10	J	µg, Total	1	11/26/07 20:15
N-Nitrosodi-n-propylamine	A	*ND*	1	10		µg, Total	1	11/26/07 20:15
N-Nitrosodiphenylamine	A	*ND*	0.7	10		µg, Total	1	11/26/07 20:15
Nitrobenzene	A	*ND*	1	10		µg, Total	1	11/26/07 20:15
Pentachlorophenol	A	*ND*	1.3	50		µg, Total	1	11/26/07 20:15
Phenol	A	*ND*	0.4	10		µg, Total	1	11/26/07 20:15
Surr: 2,4,6-Tribromophenol	S	48.4	0	30-130		%REC	1	11/26/07 20:15
Surr: 2-Fluorobiphenyl	S	66.1	0	30-130		%REC	1	11/26/07 20:15
Surr: 2-Fluorophenol	S	1.39	0	30-130	S	%REC	1	11/26/07 20:15
Surr: Nitrobenzene-d5	S	70.1	0	30-130		%REC	1	11/26/07 20:15
Surr: Phenol-d5	S	69.0	0	30-130		%REC	1	11/26/07 20:15
Surr: Terphenyl-d14	S	74.4	0	30-130		%REC	1	11/26/07 20:15
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Acenaphthene	A	*ND*	0.21	1.0		µg, Total	1	11/27/07 00:00
Acenaphthylene	A	*ND*	0.22	1.0		µg, Total	1	11/27/07 00:00
Anthracene	A	*ND*	0.27	1.0		µg, Total	1	11/27/07 00:00
Benzo[a]anthracene	A	*ND*	0.47	1.0		µg, Total	1	11/27/07 00:00
Benzo[a]pyrene	A	*ND*	0.38	1.0		µg, Total	1	11/27/07 00:00
Benzo[b]fluoranthene	A	*ND*	0.44	1.0		µg, Total	1	11/27/07 00:00
Benzo[g,h,i]perylene	A	*ND*	0.72	1.0		µg, Total	1	11/27/07 00:00
Benzo[k]fluoranthene	A	*ND*	0.8	1.0		µg, Total	1	11/27/07 00:00
Chrysene	A	*ND*	0.57	1.0		µg, Total	1	11/27/07 00:00
Dibenz[a,h]anthracene	A	*ND*	0.54	1.0		µg, Total	1	11/27/07 00:00
Fluoranthene	A	*ND*	0.39	1.0		µg, Total	1	11/27/07 00:00
Fluorene	A	*ND*	0.25	1.0		µg, Total	1	11/27/07 00:00
Indeno[1,2,3cd]pyrene	A	*ND*	0.56	1.0		µg, Total	1	11/27/07 00:00
Naphthalene	A	*16*	0.16	1.0		µg, Total	1	11/27/07 00:00
Phenanthrene	A	*ND*	0.27	1.0		µg, Total	1	11/27/07 00:00
Pyrene	A	*ND*	0.44	1.0		µg, Total	1	11/27/07 00:00
Surr: Nitrobenzene-d5	S	70.2	0	30-130		%REC	1	11/27/07 00:00
Surr: 2-Fluorobiphenyl	S	61.4	0	30-130		%REC	1	11/27/07 00:00
Surr: Terphenyl-d14	S	69.6	0	30-130		%REC	1	11/27/07 00:00

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-06B
Collection Date: 11/15/07 11:10
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	***17000***	240	1500		ppbv	3,00	11/30/07 23:57
1,1,2,2-Tetrachloroethane	A	***ND***	8.4	30		ppbv	60	12/01/07 01:23
1,1,2-Trichloroethane	A	***130***	6.6	30		ppbv	60	12/01/07 01:23
1,1-Dichloroethane	A	***2800***	58	290		ppbv	600	12/01/07 00:40
1,1-Dichloroethene	A	***58***	4.2	30		ppbv	60	12/01/07 01:23
1,2-Dichloroethane	A	***450***	6	30		ppbv	60	12/01/07 01:23
1,2-Dichloropropane	A	***100***	5.4	30		ppbv	60	12/01/07 01:23
2-Butanone	A	***3100***	120	1200		ppbv	600	12/01/07 00:40
2-Hexanone	A	***ND***	6.6	120		ppbv	60	12/01/07 01:23
4-Methyl-2-Pentanone	A	***3000***	92	290		ppbv	600	12/01/07 00:40
Acetone	A	***17000***	360	6000		ppbv	3,00	11/30/07 23:57
Benzene	A	***6200***	58	290		ppbv	600	12/01/07 00:40
Bromodichloromethane	A	***ND***	6	30		ppbv	60	12/01/07 01:23
Bromoform	A	***ND***	5.4	30		ppbv	60	12/01/07 01:23
Bromomethane	A	***ND***	4.8	30		ppbv	60	12/01/07 01:23
Carbon disulfide	A	***660***	20	30		ppbv	60	12/01/07 01:23
Carbon tetrachloride	A	***ND***	6.6	30		ppbv	60	12/01/07 01:23
Chlorobenzene	A	***ND***	6.6	30		ppbv	60	12/01/07 01:23
Chloroethane	A	***200***	6.6	30		ppbv	60	12/01/07 01:23
Chloroform	A	***1000***	6.6	30		ppbv	60	12/01/07 01:23
Chloromethane	A	***23***	4.2	120	J	ppbv	60	12/01/07 01:23
cis-1,2-Dichloroethene	A	***2200***	52	290		ppbv	600	12/01/07 00:40
cis-1,3-Dichloropropene	A	***ND***	6	30		ppbv	60	12/01/07 01:23
Dibromochloromethane	A	***ND***	4.2	30		ppbv	60	12/01/07 01:23
Ethyl benzene	A	***6000***	63	290		ppbv	600	12/01/07 00:40
m,p-Xylene	A	***20000***	75	580		ppbv	600	12/01/07 00:40
Methylene chloride	A	***11000***	250	2300		ppbv	600	12/01/07 00:40
o-Xylene	A	***9000***	75	290		ppbv	600	12/01/07 00:40
Styrene	A	***210***	7.8	30		ppbv	60	12/01/07 01:23
Tetrachloroethene	A	***8800***	63	290		ppbv	600	12/01/07 00:40
Toluene	A	***58000***	330	1500		ppbv	3,00	11/30/07 23:57
trans-1,2-Dichloroethene	A	***32***	4.8	30		ppbv	60	12/01/07 01:23
trans-1,3-Dichloropropene	A	***ND***	6	30		ppbv	60	12/01/07 01:23
Trichloroethene	A	***8400***	63	290		ppbv	600	12/01/07 00:40
Vinyl chloride	A	***330***	4.8	30		ppbv	60	12/01/07 01:23
Surr: 4-Bromofluorobenzene	S	91.2	0	77.7-127		%REC	60	12/01/07 01:23

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-07A
Collection Date: 11/15/07 11:40
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	*0.92*	0.9	10	J	µg, Total	1	11/26/07 20:39
1,2-Dichlorobenzene	A	*20*	0.7	10		µg, Total	1	11/26/07 20:39
1,3-Dichlorobenzene	A	*0.98*	0.8	10	J	µg, Total	1	11/26/07 20:39
1,4-Dichlorobenzene	A	*3.1*	0.9	10	J	µg, Total	1	11/26/07 20:39
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	11/26/07 20:39
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	11/26/07 20:39
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	11/26/07 20:39
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	11/26/07 20:39
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	11/26/07 20:39
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	11/26/07 20:39
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	11/26/07 20:39
2-Methylnaphthalene	A	*2.6*	0.9	10	J	µg, Total	1	11/26/07 20:39
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	11/26/07 20:39
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	11/26/07 20:39
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	11/26/07 20:39
3,3´-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	11/26/07 20:39
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	11/26/07 20:39
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	11/26/07 20:39
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	11/26/07 20:39
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	11/26/07 20:39
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	11/26/07 20:39
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	11/26/07 20:39
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	11/26/07 20:39
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	11/26/07 20:39
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
Bis(2-ethylhexyl)phthalate	A	*3.9*	1.1	10	J	µg, Total	1	11/26/07 20:39
Butyl benzyl phthalate	A	*ND*	1	10		µg, Total	1	11/26/07 20:39
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	11/26/07 20:39
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/26/07 20:39
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	11/26/07 20:39
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	11/26/07 20:39
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	11/26/07 20:39
Hexachlorobutadiene	A	*1.9*	0.9	10	J	µg, Total	1	11/26/07 20:39
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	11/26/07 20:39

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-07A
Collection Date: 11/15/07 11:40
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
Hexachloroethane	A	ND	0.9	10		µg, Total	1	11/26/07 20:39
Isophorone	A	9.3	1	10	J	µg, Total	1	11/26/07 20:39
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	11/26/07 20:39
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	11/26/07 20:39
Nitrobenzene	A	ND	1	10		µg, Total	1	11/26/07 20:39
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	11/26/07 20:39
Phenol	A	ND	0.4	10		µg, Total	1	11/26/07 20:39
Surr: 2,4,6-Tribromophenol	S	39.7	0	30-130		%REC	1	11/26/07 20:39
Surr: 2-Fluorobiphenyl	S	59.6	0	30-130		%REC	1	11/26/07 20:39
Surr: 2-Fluorophenol	S	1.60	0	30-130	S	%REC	1	11/26/07 20:39
Surr: Nitrobenzene-d5	S	70.8	0	30-130		%REC	1	11/26/07 20:39
Surr: Phenol-d5	S	60.2	0	30-130		%REC	1	11/26/07 20:39
Surr: Terphenyl-d14	S	68.1	0	30-130		%REC	1	11/26/07 20:39

PAHS BY GC/MS-SIM Method: **TO-13** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Acenaphthene	A	ND	0.21	1.0		µg, Total	1	11/27/07 00:26
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	11/27/07 00:26
Anthracene	A	ND	0.27	1.0		µg, Total	1	11/27/07 00:26
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	11/27/07 00:26
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	11/27/07 00:26
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	11/27/07 00:26
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	11/27/07 00:26
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	11/27/07 00:26
Chrysene	A	ND	0.57	1.0		µg, Total	1	11/27/07 00:26
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	11/27/07 00:26
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	11/27/07 00:26
Fluorene	A	ND	0.25	1.0		µg, Total	1	11/27/07 00:26
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	11/27/07 00:26
Naphthalene	A	16	0.16	1.0		µg, Total	1	11/27/07 00:26
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	11/27/07 00:26
Pyrene	A	ND	0.44	1.0		µg, Total	1	11/27/07 00:26
Surr: Nitrobenzene-d5	S	62.7	0	30-130		%REC	1	11/27/07 00:26
Surr: 2-Fluorobiphenyl	S	61.1	0	30-130		%REC	1	11/27/07 00:26
Surr: Terphenyl-d14	S	65.7	0	30-130		%REC	1	11/27/07 00:26

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-07B
Collection Date: 11/15/07 11:40
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*11000*	46	290		ppbv	600	12/01/07 03:31
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	12/01/07 04:13
1,1,2-Trichloroethane	A	*130*	6.6	30		ppbv	60	12/01/07 04:13
1,1-Dichloroethane	A	*2600*	58	290		ppbv	600	12/01/07 03:31
1,1-Dichloroethene	A	*62*	4.2	30		ppbv	60	12/01/07 04:13
1,2-Dichloroethane	A	*440*	6	30		ppbv	60	12/01/07 04:13
1,2-Dichloropropane	A	*110*	5.4	30		ppbv	60	12/01/07 04:13
2-Butanone	A	*7900*	120	1200		ppbv	600	12/01/07 03:31
2-Hexanone	A	*180*	6.6	120		ppbv	60	12/01/07 04:13
4-Methyl-2-Pentanone	A	*3500*	92	290		ppbv	600	12/01/07 03:31
Acetone	A	*26000*	360	6000		ppbv	3,00	12/01/07 02:48
Benzene	A	*6400*	58	290		ppbv	600	12/01/07 03:31
Bromodichloromethane	A	*ND*	6	30		ppbv	60	12/01/07 04:13
Bromoform	A	*ND*	5.4	30		ppbv	60	12/01/07 04:13
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/01/07 04:13
Carbon disulfide	A	*880*	20	30		ppbv	60	12/01/07 04:13
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/01/07 04:13
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/01/07 04:13
Chloroethane	A	*360*	6.6	30		ppbv	60	12/01/07 04:13
Chloroform	A	*1000*	6.6	30		ppbv	60	12/01/07 04:13
Chloromethane	A	*22*	4.2	120	J	ppbv	60	12/01/07 04:13
cis-1,2-Dichloroethene	A	*2500*	52	290		ppbv	600	12/01/07 03:31
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/01/07 04:13
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/01/07 04:13
Ethyl benzene	A	*6200*	63	290		ppbv	600	12/01/07 03:31
m,p-Xylene	A	*21000*	75	580		ppbv	600	12/01/07 03:31
Methylene chloride	A	*10000*	250	2300		ppbv	600	12/01/07 03:31
o-Xylene	A	*9300*	75	290		ppbv	600	12/01/07 03:31
Styrene	A	*230*	7.8	30		ppbv	60	12/01/07 04:13
Tetrachloroethene	A	*8500*	63	290		ppbv	600	12/01/07 03:31
Toluene	A	*6600*	190	880		ppbv	,80	12/04/07 13:30
trans-1,2-Dichloroethene	A	*40*	4.8	30		ppbv	60	12/01/07 04:13
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/01/07 04:13
Trichloroethene	A	*7700*	63	290		ppbv	600	12/01/07 03:31
Vinyl chloride	A	*470*	4.8	30		ppbv	60	12/01/07 04:13
Surr: 4-Bromofluorobenzene	S	90.9	0	77.7-127		%REC	60	12/01/07 04:13

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-08A
Collection Date: 11/15/07 11:35
Date Received: 11/15/07 12:25

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **11/20/07 16:40** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	11/26/07 21:03	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	11/26/07 21:03	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	11/26/07 21:03	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	11/26/07 21:03	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	11/26/07 21:03	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	11/26/07 21:03	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	11/26/07 21:03	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	11/26/07 21:03	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	11/26/07 21:03	
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	R
2-Methylphenol	A	ND	0.7	10		µg, Total	1	11/26/07 21:03	
2-Nitroaniline	A	ND	1	50		µg, Total	1	11/26/07 21:03	R
2-Nitrophenol	A	ND	1	10		µg, Total	1	11/26/07 21:03	
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	11/26/07 21:03	R
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	11/26/07 21:03	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	11/26/07 21:03	
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	11/26/07 21:03	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	R
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	11/26/07 21:03	
4-Chloroaniline	A	ND	1	20		µg, Total	1	11/26/07 21:03	R
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	11/26/07 21:03	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	11/26/07 21:03	
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	11/26/07 21:03	R
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
Bis(2-ethylhexyl)phthalate	A	6.3	1.1	10	J	µg, Total	1	11/26/07 21:03	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	11/26/07 21:03	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	11/26/07 21:03	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	11/26/07 21:03	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	11/26/07 21:03	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	11/26/07 21:03	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	11/26/07 21:03	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	11/26/07 21:03	

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-08A
Collection Date: 11/15/07 11:35
Date Received: 11/15/07 12:25

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	11/26/07 21:03
Isophorone	A	ND	1	10		µg, Total	1	11/26/07 21:03
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	11/26/07 21:03
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	11/26/07 21:03
Nitrobenzene	A	ND	1	10		µg, Total	1	11/26/07 21:03
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	11/26/07 21:03
Phenol	A	ND	0.4	10		µg, Total	1	11/26/07 21:03
Surr: 2,4,6-Tribromophenol	S	39.0	0	30-130		%REC	1	11/26/07 21:03
Surr: 2-Fluorobiphenyl	S	68.9	0	30-130		%REC	1	11/26/07 21:03
Surr: 2-Fluorophenol	S	0.227	0	30-130	S	%REC	1	11/26/07 21:03
Surr: Nitrobenzene-d5	S	69.8	0	30-130		%REC	1	11/26/07 21:03
Surr: Phenol-d5	S	70.8	0	30-130		%REC	1	11/26/07 21:03
Surr: Terphenyl-d14	S	78.6	0	30-130		%REC	1	11/26/07 21:03
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **11/20/07 16:40**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	11/27/07 00:51
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	11/27/07 00:51
Anthracene	A	ND	0.27	1.0		µg, Total	1	11/27/07 00:51
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	11/27/07 00:51
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	11/27/07 00:51
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	11/27/07 00:51
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	11/27/07 00:51
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	11/27/07 00:51
Chrysene	A	ND	0.57	1.0		µg, Total	1	11/27/07 00:51
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	11/27/07 00:51
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	11/27/07 00:51
Fluorene	A	ND	0.25	1.0		µg, Total	1	11/27/07 00:51
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	11/27/07 00:51
Naphthalene	A	*0.42*	0.16	1.0	J	µg, Total	1	11/27/07 00:51
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	11/27/07 00:51
Pyrene	A	ND	0.44	1.0		µg, Total	1	11/27/07 00:51
Surr: Nitrobenzene-d5	S	71.4	0	30-130		%REC	1	11/27/07 00:51
Surr: 2-Fluorobiphenyl	S	68.6	0	30-130		%REC	1	11/27/07 00:51
Surr: Terphenyl-d14	S	72.7	0	30-130		%REC	1	11/27/07 00:51

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ANALYTICAL RESULTS

Date: *Wednesday, December 05, 2007*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Nov 2007
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0711611-08B
Collection Date: 11/15/07 11:35
Date Received: 11/15/07 12:25

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*8.0*	0.08	0.50		ppbv	1	12/04/07 12:05
1,1,2,2-Tetrachloroethane	A	*ND*	0.14	0.50		ppbv	1	12/04/07 12:05
1,1,2-Trichloroethane	A	*0.21*	0.11	0.50	J	ppbv	1	12/04/07 12:05
1,1-Dichloroethane	A	*1.6*	0.1	0.50		ppbv	1	12/04/07 12:05
1,1-Dichloroethene	A	*0.41*	0.07	0.50	J	ppbv	1	12/04/07 12:05
1,2-Dichloroethane	A	*0.49*	0.1	0.50	J	ppbv	1	12/04/07 12:05
1,2-Dichloropropane	A	*ND*	0.09	0.50		ppbv	1	12/04/07 12:05
2-Butanone	A	*4.4*	0.21	2.0		ppbv	1	12/04/07 12:05
2-Hexanone	A	*0.28*	0.11	2.0	Jb	ppbv	1	12/04/07 12:05
4-Methyl-2-Pentanone	A	*4.4*	0.16	0.50		ppbv	1	12/04/07 12:05
Acetone	A	*14*	0.12	2.0	b	ppbv	1	12/04/07 12:05
Benzene	A	*4.6*	0.1	0.50		ppbv	1	12/04/07 12:05
Bromodichloromethane	A	*0.12*	0.1	0.50	J	ppbv	1	12/04/07 12:05
Bromoform	A	*ND*	0.09	0.50		ppbv	1	12/04/07 12:05
Bromomethane	A	*ND*	0.08	0.50		ppbv	1	12/04/07 12:05
Carbon disulfide	A	*ND*	0.33	0.50		ppbv	1	12/04/07 12:05
Carbon tetrachloride	A	*ND*	0.11	0.50		ppbv	1	12/04/07 12:05
Chlorobenzene	A	*ND*	0.11	0.50		ppbv	1	12/04/07 12:05
Chloroethane	A	*ND*	0.11	0.50		ppbv	1	12/04/07 12:05
Chloroform	A	*3.1*	0.11	0.50		ppbv	1	12/04/07 12:05
Chloromethane	A	*0.37*	0.07	2.0	J	ppbv	1	12/04/07 12:05
cis-1,2-Dichloroethene	A	*15*	0.09	0.50		ppbv	1	12/04/07 12:05
cis-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	12/04/07 12:05
Dibromochloromethane	A	*ND*	0.07	0.50		ppbv	1	12/04/07 12:05
Ethyl benzene	A	*43*	1.1	4.8		ppbv	10	12/04/07 11:22
m,p-Xylene	A	*180*	1.2	9.6		ppbv	10	12/04/07 11:22
Methylene chloride	A	*4.0*	0.43	4.0	b	ppbv	1	12/04/07 12:05
o-Xylene	A	*100*	1.2	4.8		ppbv	10	12/04/07 11:22
Styrene	A	*1.5*	0.13	0.50		ppbv	1	12/04/07 12:05
Tetrachloroethene	A	*63*	1.1	4.8		ppbv	10	12/04/07 11:22
Toluene	A	*82*	1.1	4.8		ppbv	10	12/04/07 11:22
trans-1,2-Dichloroethene	A	*0.16*	0.08	0.50	J	ppbv	1	12/04/07 12:05
trans-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	12/04/07 12:05
Trichloroethene	A	*14*	0.11	0.50		ppbv	1	12/04/07 12:05
Vinyl chloride	A	*0.48*	0.08	0.50	J	ppbv	1	12/04/07 12:05
Surr: 4-Bromofluorobenzene	S	94.8	0	77.7-127		%REC	1	12/04/07 12:05

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December 11, 2007 Off-Gas Sample Laboratory Results

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #1 OFFSITE ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-01A
Collection Date: 12/11/07 13:25
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
1,2-Dichlorobenzene	A	4.8	0.7	10	J	µg, Total	1	12/22/07 02:13	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	12/22/07 02:13	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	12/22/07 02:13	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	12/22/07 02:13	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	12/22/07 02:13	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	12/22/07 02:13	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	12/22/07 02:13	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	12/22/07 02:13	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	12/22/07 02:13	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	12/22/07 02:13	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	12/22/07 02:13	
2-Nitrophenol	A	ND	1	10		µg, Total	1	12/22/07 02:13	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	12/22/07 02:13	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	12/22/07 02:13	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	12/22/07 02:13	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	12/22/07 02:13	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	12/22/07 02:13	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	12/22/07 02:13	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	12/22/07 02:13	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	12/22/07 02:13	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	12/22/07 02:13	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
Bis(2-ethylhexyl)phthalate	A	3.4	1.1	10	J	µg, Total	1	12/22/07 02:13	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	12/22/07 02:13	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	12/22/07 02:13	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	12/22/07 02:13	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	12/22/07 02:13	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	12/22/07 02:13	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	12/22/07 02:13	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	12/22/07 02:13	

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #1 OFFSITE ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-01A
Collection Date: 12/11/07 13:25
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	12/22/07 02:13
Isophorone	A	3.3	1	10	J	µg, Total	1	12/22/07 02:13
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	12/22/07 02:13
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	12/22/07 02:13
Nitrobenzene	A	ND	1	10		µg, Total	1	12/22/07 02:13
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	12/22/07 02:13
Phenol	A	ND	0.4	10		µg, Total	1	12/22/07 02:13
Surr: 2,4,6-Tribromophenol	S	27.3	0	30-130	S	%REC	1	12/22/07 02:13
Surr: 2-Fluorobiphenyl	S	60.1	0	30-130		%REC	1	12/22/07 02:13
Surr: 2-Fluorophenol	S	0.287	0	30-130	S	%REC	1	12/22/07 02:13
Surr: Nitrobenzene-d5	S	70.0	0	30-130		%REC	1	12/22/07 02:13
Surr: Phenol-d5	S	66.8	0	30-130		%REC	1	12/22/07 02:13
Surr: Terphenyl-d14	S	68.3	0	30-130		%REC	1	12/22/07 02:13
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	12/21/07 22:47
Acenaphthylene	A	7.3	0.22	1.0		µg, Total	1	12/21/07 22:47
Anthracene	A	ND	0.27	1.0		µg, Total	1	12/21/07 22:47
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	12/21/07 22:47
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	12/21/07 22:47
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	12/21/07 22:47
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	12/21/07 22:47
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	12/21/07 22:47
Chrysene	A	ND	0.57	1.0		µg, Total	1	12/21/07 22:47
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	12/21/07 22:47
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	12/21/07 22:47
Fluorene	A	ND	0.25	1.0		µg, Total	1	12/21/07 22:47
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	12/21/07 22:47
Naphthalene	A	6.2	0.16	1.0		µg, Total	1	12/21/07 22:47
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	12/21/07 22:47
Pyrene	A	ND	0.44	1.0		µg, Total	1	12/21/07 22:47
Surr: Nitrobenzene-d5	S	61.8	0	30-130		%REC	1	12/21/07 22:47
Surr: 2-Fluorobiphenyl	S	53.1	0	30-130		%REC	1	12/21/07 22:47
Surr: Terphenyl-d14	S	75.4	0	30-130		%REC	1	12/21/07 22:47

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #1 OFFSITE ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-01B
Collection Date: 12/11/07 13:25
Date Received: 12/11/07 16:50

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*21000*	240	1500		ppbv	3,00	12/19/07 17:25
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	12/19/07 18:48
1,1,2-Trichloroethane	A	*160*	6.6	30		ppbv	60	12/19/07 18:48
1,1-Dichloroethane	A	*2900*	58	290		ppbv	600	12/19/07 18:06
1,1-Dichloroethene	A	*70*	4.2	30		ppbv	60	12/19/07 18:48
1,2-Dichloroethane	A	*520*	6	30		ppbv	60	12/19/07 18:48
1,2-Dichloropropane	A	*130*	5.4	30		ppbv	60	12/19/07 18:48
2-Butanone	A	*9800*	120	1200		ppbv	600	12/19/07 18:06
2-Hexanone	A	*110*	6.6	120	J	ppbv	60	12/19/07 18:48
4-Methyl-2-Pentanone	A	*2900*	92	290		ppbv	600	12/19/07 18:06
Acetone	A	*31000*	430	7200		ppbv	3,60	12/26/07 16:24
Benzene	A	*7800*	58	290		ppbv	600	12/19/07 18:06
Bromodichloromethane	A	*ND*	6	30		ppbv	60	12/19/07 18:48
Bromoform	A	*ND*	5.4	30		ppbv	60	12/19/07 18:48
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/19/07 18:48
Carbon disulfide	A	*190*	20	30		ppbv	60	12/19/07 18:48
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/19/07 18:48
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/19/07 18:48
Chloroethane	A	*62*	6.6	30		ppbv	60	12/19/07 18:48
Chloroform	A	*1500*	63	290		ppbv	600	12/19/07 18:06
Chloromethane	A	*21*	4.2	120	J	ppbv	60	12/19/07 18:48
cis-1,2-Dichloroethene	A	*1200*	5.4	30		ppbv	60	12/19/07 18:48
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 18:48
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/19/07 18:48
Ethyl benzene	A	*7300*	63	290		ppbv	600	12/19/07 18:06
m,p-Xylene	A	*53000*	390	3000		ppbv	3,00	12/19/07 17:25
Methylene chloride	A	*31000*	1300	12000		ppbv	3,00	12/19/07 17:25
o-Xylene	A	*11000*	75	290		ppbv	600	12/19/07 18:06
Styrene	A	*200*	7.8	30		ppbv	60	12/19/07 18:48
Tetrachloroethene	A	*9700*	63	290		ppbv	600	12/19/07 18:06
Toluene	A	*67000*	400	1800		ppbv	3,60	12/26/07 16:24
trans-1,2-Dichloroethene	A	*25*	4.8	30	J	ppbv	60	12/19/07 18:48
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 18:48
Trichloroethene	A	*10000*	63	290		ppbv	600	12/19/07 18:06
Vinyl chloride	A	*130*	4.8	30		ppbv	60	12/19/07 18:48
Surr: 4-Bromofluorobenzene	S	90.5	0	77.7-127		%REC	60	12/19/07 18:48

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-02A
Collection Date: 12/11/07 13:26
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	*1.6*	0.9	10	J	µg, Total	1	12/22/07 02:37	
1,2-Dichlorobenzene	A	*6.5*	0.7	10	J	µg, Total	1	12/22/07 02:37	
1,3-Dichlorobenzene	A	*1.1*	0.8	10	J	µg, Total	1	12/22/07 02:37	
1,4-Dichlorobenzene	A	*1.8*	0.9	10	J	µg, Total	1	12/22/07 02:37	
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	12/22/07 02:37	R
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 02:37	
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	12/22/07 02:37	
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	12/22/07 02:37	
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	12/22/07 02:37	
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	12/22/07 02:37	
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 02:37	R
2-Methylnaphthalene	A	*1.7*	0.9	10	J	µg, Total	1	12/22/07 02:37	
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 02:37	R
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	12/22/07 02:37	
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	12/22/07 02:37	R
3,3´-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	12/22/07 02:37	
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	12/22/07 02:37	
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	12/22/07 02:37	R
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	12/22/07 02:37	R
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	12/22/07 02:37	R
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	12/22/07 02:37	
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	12/22/07 02:37	
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	12/22/07 02:37	R
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	12/22/07 02:37	
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
Bis(2-ethylhexyl)phthalate	A	*17*	1.1	10		µg, Total	1	12/22/07 02:37	
Butyl benzyl phthalate	A	*ND*	1	10		µg, Total	1	12/22/07 02:37	
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	12/22/07 02:37	
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	12/22/07 02:37	
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	12/22/07 02:37	
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	12/22/07 02:37	
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	12/22/07 02:37	
Hexachlorobutadiene	A	*5.2*	0.9	10	J	µg, Total	1	12/22/07 02:37	
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	12/22/07 02:37	

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-02A
Collection Date: 12/11/07 13:26
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	12/22/07 02:37
Isophorone	A	ND	1	10		µg, Total	1	12/22/07 02:37
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	12/22/07 02:37
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	12/22/07 02:37
Nitrobenzene	A	ND	1	10		µg, Total	1	12/22/07 02:37
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	12/22/07 02:37
Phenol	A	ND	0.4	10		µg, Total	1	12/22/07 02:37
Surr: 2,4,6-Tribromophenol	S	29.3	0	30-130	S	%REC	1	12/22/07 02:37
Surr: 2-Fluorobiphenyl	S	59.6	0	30-130		%REC	1	12/22/07 02:37
Surr: 2-Fluorophenol	S	0.513	0	30-130	S	%REC	1	12/22/07 02:37
Surr: Nitrobenzene-d5	S	68.5	0	30-130		%REC	1	12/22/07 02:37
Surr: Phenol-d5	S	60.8	0	30-130		%REC	1	12/22/07 02:37
Surr: Terphenyl-d14	S	62.5	0	30-130		%REC	1	12/22/07 02:37
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	*0.37*	0.21	1.0	J	µg, Total	1	12/21/07 23:13
Acenaphthylene	A	*14*	0.22	1.0		µg, Total	1	12/21/07 23:13
Anthracene	A	ND	0.27	1.0		µg, Total	1	12/21/07 23:13
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	12/21/07 23:13
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	12/21/07 23:13
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	12/21/07 23:13
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	12/21/07 23:13
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	12/21/07 23:13
Chrysene	A	ND	0.57	1.0		µg, Total	1	12/21/07 23:13
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	12/21/07 23:13
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	12/21/07 23:13
Fluorene	A	ND	0.25	1.0		µg, Total	1	12/21/07 23:13
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	12/21/07 23:13
Naphthalene	A	*5.7*	0.16	1.0		µg, Total	1	12/21/07 23:13
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	12/21/07 23:13
Pyrene	A	ND	0.44	1.0		µg, Total	1	12/21/07 23:13
Surr: Nitrobenzene-d5	S	62.3	0	30-130		%REC	1	12/21/07 23:13
Surr: 2-Fluorobiphenyl	S	63.6	0	30-130		%REC	1	12/21/07 23:13
Surr: Terphenyl-d14	S	75.5	0	30-130		%REC	1	12/21/07 23:13

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CMS 2/1/08

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #2 SBPA ISVE
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-02B
Collection Date: 12/11/07 13:26
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15**				Prep Date/Time:				Analyst: **MAK**
1,1,1-Trichloroethane	A	*8300*	46	290		ppbv	600	12/19/07 20:13
1,1,2,2-Tetrachloroethane	A	*13*	8.4	30	J	ppbv	60	12/19/07 20:56
1,1,2-Trichloroethane	A	*34*	6.6	30		ppbv	60	12/19/07 20:56
1,1-Dichloroethane	A	*1700*	58	290		ppbv	600	12/19/07 20:13
1,1-Dichloroethene	A	*79*	4.2	30		ppbv	60	12/19/07 20:56
1,2-Dichloroethane	A	*190*	6	30		ppbv	60	12/19/07 20:56
1,2-Dichloropropane	A	*170*	5.4	30		ppbv	60	12/19/07 20:56
2-Butanone	A	*250*	13	120		ppbv	60	12/19/07 20:56
2-Hexanone	A	*ND*	6.6	120		ppbv	60	12/19/07 20:56
4-Methyl-2-Pentanone	A	*600*	9.6	30		ppbv	60	12/19/07 20:56
Acetone	A	*320*	7.2	120		ppbv	60	12/19/07 20:56
Benzene	A	*1600*	58	290		ppbv	600	12/19/07 20:13
Bromodichloromethane	A	*44*	6	30		ppbv	60	12/19/07 20:56
Bromoform	A	*ND*	5.4	30		ppbv	60	12/19/07 20:56
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/19/07 20:56
Carbon disulfide	A	*470*	20	30		ppbv	60	12/19/07 20:56
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/19/07 20:56
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/19/07 20:56
Chloroethane	A	*510*	6.6	30		ppbv	60	12/19/07 20:56
Chloroform	A	*3400*	63	290		ppbv	600	12/19/07 20:13
Chloromethane	A	*ND*	4.2	120		ppbv	60	12/19/07 20:56
cis-1,2-Dichloroethene	A	*22000*	270	1500		ppbv	3,000	12/19/07 19:31
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 20:56
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/19/07 20:56
Ethyl benzene	A	*3200*	63	290		ppbv	600	12/19/07 20:13
m,p-Xylene	A	*13000*	75	580		ppbv	600	12/19/07 20:13
Methylene chloride	A	*3400*	250	2300		ppbv	600	12/19/07 20:13
o-Xylene	A	*7600*	75	290		ppbv	600	12/19/07 20:13
Styrene	A	*68*	7.8	30		ppbv	60	12/19/07 20:56
Tetrachloroethene	A	*9400*	63	290		ppbv	600	12/19/07 20:13
Toluene	A	*11000*	63	290		ppbv	600	12/19/07 20:13
trans-1,2-Dichloroethene	A	*82*	4.8	30		ppbv	60	12/19/07 20:56
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 20:56
Trichloroethene	A	*5600*	63	290		ppbv	600	12/19/07 20:13
Vinyl chloride	A	*3200*	46	290		ppbv	600	12/19/07 20:13
Surr: 4-Bromofluorobenzene	S	88.1	0	77.7-127		%REC	60	12/19/07 20:56

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-03A
Collection Date: 12/11/07 13:46
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	*2.6*	0.9	10	J	µg, Total	1	12/22/07 03:02
1,2-Dichlorobenzene	A	*12*	0.7	10		µg, Total	1	12/22/07 03:02
1,3-Dichlorobenzene	A	*1.9*	0.8	10	J	µg, Total	1	12/22/07 03:02
1,4-Dichlorobenzene	A	*3.2*	0.9	10	J	µg, Total	1	12/22/07 03:02
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	12/22/07 03:02
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 03:02
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:02
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	12/22/07 03:02
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:02
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	12/22/07 03:02
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 03:02
2-Methylnaphthalene	A	*2.5*	0.9	10	J	µg, Total	1	12/22/07 03:02
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 03:02
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	12/22/07 03:02
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	12/22/07 03:02
3,3´-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	12/22/07 03:02
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	12/22/07 03:02
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:02
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	12/22/07 03:02
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	12/22/07 03:02
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	12/22/07 03:02
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	12/22/07 03:02
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	12/22/07 03:02
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	12/22/07 03:02
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
Bis(2-ethylhexyl)phthalate	A	*2.1*	1.1	10	J	µg, Total	1	12/22/07 03:02
Butyl benzyl phthalate	A	*ND*	1	10		µg, Total	1	12/22/07 03:02
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	12/22/07 03:02
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	12/22/07 03:02
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:02
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	12/22/07 03:02
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:02
Hexachlorobutadiene	A	*6.6*	0.9	10	J	µg, Total	1	12/22/07 03:02
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	12/22/07 03:02

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-03A
Collection Date: 12/11/07 13:46
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	12/22/07 03:02
Isophorone	A	3.5	1	10	J	µg, Total	1	12/22/07 03:02
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	12/22/07 03:02
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	12/22/07 03:02
Nitrobenzene	A	ND	1	10		µg, Total	1	12/22/07 03:02
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	12/22/07 03:02
Phenol	A	ND	0.4	10		µg, Total	1	12/22/07 03:02
Surr: 2,4,6-Tribromophenol	S	12.0	0	30-130	S	%REC	1	12/22/07 03:02
Surr: 2-Fluorobiphenyl	S	52.2	0	30-130		%REC	1	12/22/07 03:02
Surr: 2-Fluorophenol	S	0.460	0	30-130	S	%REC	1	12/22/07 03:02
Surr: Nitrobenzene-d5	S	60.7	0	30-130		%REC	1	12/22/07 03:02
Surr: Phenol-d5	S	58.1	0	30-130		%REC	1	12/22/07 03:02
Surr: Terphenyl-d14	S	57.8	0	30-130		%REC	1	12/22/07 03:02
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	12/21/07 23:38
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	12/21/07 23:38
Anthracene	A	ND	0.27	1.0		µg, Total	1	12/21/07 23:38
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	12/21/07 23:38
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	12/21/07 23:38
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	12/21/07 23:38
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	12/21/07 23:38
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	12/21/07 23:38
Chrysene	A	ND	0.57	1.0		µg, Total	1	12/21/07 23:38
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	12/21/07 23:38
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	12/21/07 23:38
Fluorene	A	ND	0.25	1.0		µg, Total	1	12/21/07 23:38
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	12/21/07 23:38
Naphthalene	A	6.4	0.16	1.0		µg, Total	1	12/21/07 23:38
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	12/21/07 23:38
Pyrene	A	ND	0.44	1.0		µg, Total	1	12/21/07 23:38
Surr: Nitrobenzene-d5	S	54.8	0	30-130		%REC	1	12/21/07 23:38
Surr: 2-Fluorobiphenyl	S	53.8	0	30-130		%REC	1	12/21/07 23:38
Surr: Terphenyl-d14	S	68.8	0	30-130		%REC	1	12/21/07 23:38

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #3 TOX 1 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-03B
Collection Date: 12/11/07 13:46
Date Received: 12/11/07 16:50

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*6600*	46	290		ppbv	600	12/18/07 20:19
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	12/18/07 21:42
1,1,2-Trichloroethane	A	*28*	6.6	30	J	ppbv	60	12/18/07 21:42
1,1-Dichloroethane	A	*1100*	6	30		ppbv	60	12/18/07 21:42
1,1-Dichloroethene	A	*75*	4.2	30		ppbv	60	12/18/07 21:42
1,2-Dichloroethane	A	*150*	6	30		ppbv	60	12/18/07 21:42
1,2-Dichloropropane	A	*130*	5.4	30		ppbv	60	12/18/07 21:42
2-Butanone	A	*210*	13	120		ppbv	60	12/18/07 21:42
2-Hexanone	A	*ND*	6.6	120		ppbv	60	12/18/07 21:42
4-Methyl-2-Pentanone	A	*500*	9.6	30		ppbv	60	12/18/07 21:42
Acetone	A	*260*	7.2	120		ppbv	60	12/18/07 21:42
Benzene	A	*1100*	6	30		ppbv	60	12/18/07 21:42
Bromodichloromethane	A	*ND*	6	30		ppbv	60	12/18/07 21:42
Bromoform	A	*ND*	5.4	30		ppbv	60	12/18/07 21:42
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/18/07 21:42
Carbon disulfide	A	*810*	20	30		ppbv	60	12/18/07 21:42
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/18/07 21:42
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/18/07 21:42
Chloroethane	A	*380*	6.6	30		ppbv	60	12/18/07 21:42
Chloroform	A	*2700*	63	290		ppbv	600	12/18/07 20:19
Chloromethane	A	*ND*	4.2	120		ppbv	60	12/18/07 21:42
cis-1,2-Dichloroethene	A	*10000*	52	290		ppbv	600	12/18/07 20:19
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/18/07 21:42
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/18/07 21:42
Ethyl benzene	A	*2500*	63	290		ppbv	600	12/18/07 20:19
m,p-Xylene	A	*9800*	75	580		ppbv	600	12/18/07 20:19
Methylene chloride	A	*2500*	250	2300		ppbv	600	12/18/07 20:19
o-Xylene	A	*5900*	75	290		ppbv	600	12/18/07 20:19
Styrene	A	*52*	7.8	30		ppbv	60	12/18/07 21:42
Tetrachloroethene	A	*7300*	63	290		ppbv	600	12/18/07 20:19
Toluene	A	*8600*	63	290		ppbv	600	12/18/07 20:19
trans-1,2-Dichloroethene	A	*70*	4.8	30		ppbv	60	12/18/07 21:42
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/18/07 21:42
Trichloroethene	A	*4400*	63	290		ppbv	600	12/18/07 20:19
Vinyl chloride	A	*2400*	46	290		ppbv	600	12/18/07 20:19
Surr: 4-Bromofluorobenzene	S	95.5	0	77.7-127		%REC	60	12/18/07 21:42

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-04A
Collection Date: 12/11/07 14:00
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,2,4-Trichlorobenzene	A	*2.4*	0.9	10	J	µg, Total	1	12/22/07 03:26
1,2-Dichlorobenzene	A	*9.5*	0.7	10	J	µg, Total	1	12/22/07 03:26
1,3-Dichlorobenzene	A	*1.5*	0.8	10	J	µg, Total	1	12/22/07 03:26
1,4-Dichlorobenzene	A	*2.4*	0.9	10	J	µg, Total	1	12/22/07 03:26
2,4,5-Trichlorophenol	A	*ND*	1.5	10		µg, Total	1	12/22/07 03:26
2,4,6-Trichlorophenol	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
2,4-Dichlorophenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 03:26
2,4-Dimethylphenol	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:26
2,4-Dinitrophenol	A	*ND*	9.4	50		µg, Total	1	12/22/07 03:26
2,4-Dinitrotoluene	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:26
2,6-Dinitrotoluene	A	*ND*	1.1	10		µg, Total	1	12/22/07 03:26
2-Chloronaphthalene	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
2-Chlorophenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 03:26
2-Methylnaphthalene	A	*2.4*	0.9	10	J	µg, Total	1	12/22/07 03:26
2-Methylphenol	A	*ND*	0.7	10		µg, Total	1	12/22/07 03:26
2-Nitroaniline	A	*ND*	1	50		µg, Total	1	12/22/07 03:26
2-Nitrophenol	A	*ND*	1	10		µg, Total	1	12/22/07 03:26
3,3´-Dichlorobenzidine	A	*ND*	0.7	50		µg, Total	1	12/22/07 03:26
3-Nitroaniline	A	*ND*	1.3	50		µg, Total	1	12/22/07 03:26
3/4-Methylphenol	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:26
4,6-Dinitro-2-methylphenol	A	*ND*	1.1	50		µg, Total	1	12/22/07 03:26
4-Bromophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
4-Chloro-3-methylphenol	A	*ND*	1.2	20		µg, Total	1	12/22/07 03:26
4-Chloroaniline	A	*ND*	1	20		µg, Total	1	12/22/07 03:26
4-Chlorophenyl phenyl ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
4-Nitroaniline	A	*ND*	1.7	50		µg, Total	1	12/22/07 03:26
4-Nitrophenol	A	*ND*	4.3	50		µg, Total	1	12/22/07 03:26
Bis(2-chloroethoxy)methane	A	*ND*	1	10		µg, Total	1	12/22/07 03:26
Bis(2-chloroethyl)ether	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
Bis(2-ethylhexyl)phthalate	A	*1.8*	1.1	10	J	µg, Total	1	12/22/07 03:26
Butyl benzyl phthalate	A	*ND*	1	10		µg, Total	1	12/22/07 03:26
Di-n-butyl phthalate	A	*ND*	1.2	10		µg, Total	1	12/22/07 03:26
Di-n-octyl phthalate	A	*ND*	1.1	10		µg, Total	1	12/22/07 03:26
Dibenzofuran	A	*ND*	0.8	10		µg, Total	1	12/22/07 03:26
Diethyl phthalate	A	*ND*	1.1	10		µg, Total	1	12/22/07 03:26
Dimethyl phthalate	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
Hexachlorobenzene	A	*ND*	0.9	10		µg, Total	1	12/22/07 03:26
Hexachlorobutadiene	A	*6.1*	0.9	10	J	µg, Total	1	12/22/07 03:26
Hexachlorocyclopentadiene	A	*ND*	0.6	10		µg, Total	1	12/22/07 03:26

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2/1/08

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-04A
Collection Date: 12/11/07 14:00
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	12/22/07 03:26
Isophorone	A	2.9	1	10	J	µg, Total	1	12/22/07 03:26
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	12/22/07 03:26
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	12/22/07 03:26
Nitrobenzene	A	ND	1	10		µg, Total	1	12/22/07 03:26
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	12/22/07 03:26
Phenol	A	ND	0.4	10		µg, Total	1	12/22/07 03:26
Surr: 2,4,6-Tribromophenol	S	17.3	0	30-130	S	%REC	1	12/22/07 03:26
Surr: 2-Fluorobiphenyl	S	52.1	0	30-130		%REC	1	12/22/07 03:26
Surr: 2-Fluorophenol	S	0.933	0	30-130	S	%REC	1	12/22/07 03:26
Surr: Nitrobenzene-d5	S	66.6	0	30-130		%REC	1	12/22/07 03:26
Surr: Phenol-d5	S	55.8	0	30-130		%REC	1	12/22/07 03:26
Surr: Terphenyl-d14	S	63.2	0	30-130		%REC	1	12/22/07 03:26
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	12/22/07 00:04
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	12/22/07 00:04
Anthracene	A	ND	0.27	1.0		µg, Total	1	12/22/07 00:04
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	12/22/07 00:04
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	12/22/07 00:04
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	12/22/07 00:04
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	12/22/07 00:04
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	12/22/07 00:04
Chrysene	A	ND	0.57	1.0		µg, Total	1	12/22/07 00:04
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	12/22/07 00:04
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	12/22/07 00:04
Fluorene	A	ND	0.25	1.0		µg, Total	1	12/22/07 00:04
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	12/22/07 00:04
Naphthalene	A	6.2	0.16	1.0		µg, Total	1	12/22/07 00:04
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	12/22/07 00:04
Pyrene	A	ND	0.44	1.0		µg, Total	1	12/22/07 00:04
Surr: Nitrobenzene-d5	S	53.9	0	30-130		%REC	1	12/22/07 00:04
Surr: 2-Fluorobiphenyl	S	60.6	0	30-130		%REC	1	12/22/07 00:04
Surr: Terphenyl-d14	S	70.8	0	30-130		%REC	1	12/22/07 00:04

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #4 TOX 1 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-04B
Collection Date: 12/11/07 14:00
Date Received: 12/11/07 16:50

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*7500*	46	290		ppbv	600	12/18/07 23:06
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	12/18/07 23:49
1,1,2-Trichloroethane	A	*26*	6.6	30	J	ppbv	60	12/18/07 23:49
1,1-Dichloroethane	A	*1100*	6	30		ppbv	60	12/18/07 23:49
1,1-Dichloroethene	A	*78*	4.2	30		ppbv	60	12/18/07 23:49
1,2-Dichloroethane	A	*140*	6	30		ppbv	60	12/18/07 23:49
1,2-Dichloropropane	A	*130*	5.4	30		ppbv	60	12/18/07 23:49
2-Butanone	A	*210*	13	120		ppbv	60	12/18/07 23:49
2-Hexanone	A	*ND*	6.6	120		ppbv	60	12/18/07 23:49
4-Methyl-2-Pentanone	A	*540*	9.6	30		ppbv	60	12/18/07 23:49
Acetone	A	*260*	7.2	120		ppbv	60	12/18/07 23:49
Benzene	A	*1100*	6	30		ppbv	60	12/18/07 23:49
Bromodichloromethane	A	*ND*	6	30		ppbv	60	12/18/07 23:49
Bromoform	A	*ND*	5.4	30		ppbv	60	12/18/07 23:49
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/18/07 23:49
Carbon disulfide	A	*170*	20	30		ppbv	60	12/18/07 23:49
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/18/07 23:49
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/18/07 23:49
Chloroethane	A	*380*	6.6	30		ppbv	60	12/18/07 23:49
Chloroform	A	*3100*	63	290		ppbv	600	12/18/07 23:06
Chloromethane	A	*ND*	4.2	120		ppbv	60	12/18/07 23:49
cis-1,2-Dichloroethene	A	*11000*	52	290		ppbv	600	12/18/07 23:06
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/18/07 23:49
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/18/07 23:49
Ethyl benzene	A	*3500*	63	290		ppbv	600	12/18/07 23:06
m,p-Xylene	A	*13000*	75	580		ppbv	600	12/18/07 23:06
Methylene chloride	A	*2900*	250	2300		ppbv	600	12/18/07 23:06
o-Xylene	A	*7900*	75	290		ppbv	600	12/18/07 23:06
Styrene	A	*54*	7.8	30		ppbv	60	12/18/07 23:49
Tetrachloroethene	A	*8700*	63	290		ppbv	600	12/18/07 23:06
Toluene	A	*12000*	63	290		ppbv	600	12/18/07 23:06
trans-1,2-Dichloroethene	A	*70*	4.8	30		ppbv	60	12/18/07 23:49
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/18/07 23:49
Trichloroethene	A	*5300*	63	290		ppbv	600	12/18/07 23:06
Vinyl chloride	A	*2600*	46	290		ppbv	600	12/18/07 23:06
Surr: 4-Bromofluorobenzene	S	92.9	0	77.7-127		%REC	60	12/18/07 23:49

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-05A
Collection Date: 12/11/07 13:45
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	12/22/07 03:50	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	12/22/07 03:50	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	12/22/07 03:50	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	12/22/07 03:50	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	12/22/07 03:50	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	12/22/07 03:50	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	12/22/07 03:50	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	12/22/07 03:50	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	12/22/07 03:50	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	12/22/07 03:50	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	12/22/07 03:50	
2-Nitrophenol	A	ND	1	10		µg, Total	1	12/22/07 03:50	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	12/22/07 03:50	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	12/22/07 03:50	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	12/22/07 03:50	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	12/22/07 03:50	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	12/22/07 03:50	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	12/22/07 03:50	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	12/22/07 03:50	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	12/22/07 03:50	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	12/22/07 03:50	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
Bis(2-ethylhexyl)phthalate	A	4.9	1.1	10	J	µg, Total	1	12/22/07 03:50	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	12/22/07 03:50	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	12/22/07 03:50	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	12/22/07 03:50	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	12/22/07 03:50	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	12/22/07 03:50	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	12/22/07 03:50	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	12/22/07 03:50	

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-05A
Collection Date: 12/11/07 13:45
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	12/22/07 03:50
Isophorone	A	***ND***	1	10		µg, Total	1	12/22/07 03:50
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	12/22/07 03:50
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	12/22/07 03:50
Nitrobenzene	A	***ND***	1	10		µg, Total	1	12/22/07 03:50
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	12/22/07 03:50
Phenol	A	***ND***	0.4	10		µg, Total	1	12/22/07 03:50
Surr: 2,4,6-Tribromophenol	S	22.5	0	30-130	S	%REC	1	12/22/07 03:50
Surr: 2-Fluorobiphenyl	S	50.6	0	30-130		%REC	1	12/22/07 03:50
Surr: 2-Fluorophenol	S	0.247	0	30-130	S	%REC	1	12/22/07 03:50
Surr: Nitrobenzene-d5	S	58.0	0	30-130		%REC	1	12/22/07 03:50
Surr: Phenol-d5	S	53.0	0	30-130		%REC	1	12/22/07 03:50
Surr: Terphenyl-d14	S	57.6	0	30-130		%REC	1	12/22/07 03:50
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	12/22/07 00:30
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	12/22/07 00:30
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	12/22/07 00:30
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	12/22/07 00:30
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	12/22/07 00:30
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	12/22/07 00:30
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	12/22/07 00:30
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	12/22/07 00:30
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	12/22/07 00:30
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	12/22/07 00:30
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	12/22/07 00:30
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	12/22/07 00:30
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	12/22/07 00:30
Naphthalene	A	***ND***	0.16	1.0		µg, Total	1	12/22/07 00:30
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	12/22/07 00:30
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	12/22/07 00:30
Surr: Nitrobenzene-d5	S	55.9	0	30-130		%REC	1	12/22/07 00:30
Surr: 2-Fluorobiphenyl	S	43.4	0	30-130		%REC	1	12/22/07 00:30
Surr: Terphenyl-d14	S	67.2	0	30-130		%REC	1	12/22/07 00:30

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #5 TOX 1 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-05B
Collection Date: 12/11/07 13:45
Date Received: 12/11/07 16:50

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*40*	0.77	4.8		ppbv	10	12/18/07 18:15
1,1,2,2-Tetrachloroethane	A	*ND*	0.14	0.50		ppbv	1	12/18/07 18:56
1,1,2-Trichloroethane	A	*0.31*	0.11	0.50	J	ppbv	1	12/18/07 18:56
1,1-Dichloroethane	A	*6.4*	0.1	0.50		ppbv	1	12/18/07 18:56
1,1-Dichloroethene	A	*42*	0.67	4.8		ppbv	10	12/18/07 18:15
1,2-Dichloroethane	A	*1.4*	0.1	0.50		ppbv	1	12/18/07 18:56
1,2-Dichloropropane	A	*0.41*	0.09	0.50	J	ppbv	1	12/18/07 18:56
2-Butanone	A	*37*	2	19		ppbv	10	12/18/07 18:15
2-Hexanone	A	*2*	0.11	2.0	J	ppbv	1	12/18/07 18:56
4-Methyl-2-Pentanone	A	*16*	1.5	4.8		ppbv	10	12/18/07 18:15
Acetone	A	*57*	1.2	19		ppbv	10	12/18/07 18:15
Benzene	A	*58*	0.96	4.8		ppbv	10	12/18/07 18:15
Bromodichloromethane	A	*ND*	0.1	0.50		ppbv	1	12/18/07 18:56
Bromoform	A	*ND*	0.09	0.50		ppbv	1	12/18/07 18:56
Bromomethane	A	*ND*	0.08	0.50		ppbv	1	12/18/07 18:56
Carbon disulfide	A	*ND*	0.33	0.50		ppbv	1	12/18/07 18:56
Carbon tetrachloride	A	*0.16*	0.11	0.50	J	ppbv	1	12/18/07 18:56
Chlorobenzene	A	*1.6*	0.11	0.50		ppbv	1	12/18/07 18:56
Chloroethane	A	*2.4*	0.11	0.50		ppbv	1	12/18/07 18:56
Chloroform	A	*5.4*	0.11	0.50		ppbv	1	12/18/07 18:56
Chloromethane	A	*2.6*	0.07	2.0		ppbv	1	12/18/07 18:56
cis-1,2-Dichloroethene	A	*39*	0.86	4.8		ppbv	10	12/18/07 18:15
cis-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	12/18/07 18:56
Dibromochloromethane	A	*ND*	0.07	0.50		ppbv	1	12/18/07 18:56
Ethyl benzene	A	*19*	0.11	0.50		ppbv	1	12/18/07 18:56
m,p-Xylene	A	*96*	1.2	9.6		ppbv	10	12/18/07 18:15
Methylene chloride	A	*43*	4.1	38		ppbv	10	12/18/07 18:15
o-Xylene	A	*41*	1.2	4.8		ppbv	10	12/18/07 18:15
Styrene	A	*7.3*	0.13	0.50		ppbv	1	12/18/07 18:56
Tetrachloroethene	A	*82*	1.1	4.8		ppbv	10	12/18/07 18:15
Toluene	A	*91*	1.1	4.8		ppbv	10	12/18/07 18:15
trans-1,2-Dichloroethene	A	*12*	0.08	0.50		ppbv	1	12/18/07 18:56
trans-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	12/18/07 18:56
Trichloroethene	A	*44*	1.1	4.8		ppbv	10	12/18/07 18:15
Vinyl chloride	A	*20*	0.08	0.50		ppbv	1	12/18/07 18:56
Surr: 4-Bromofluorobenzene	S	86.8	0	77.7-127		%REC	1	12/18/07 18:56

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ACS 2/1/08

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-06A
Collection Date: 12/11/07 14:15
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
1,2-Dichlorobenzene	A	16	0.7	10		µg, Total	1	12/22/07 04:14	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	12/22/07 04:14	
1,4-Dichlorobenzene	A	2.1	0.9	10	J	µg, Total	1	12/22/07 04:14	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	12/22/07 04:14	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	12/22/07 04:14	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	12/22/07 04:14	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	12/22/07 04:14	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	12/22/07 04:14	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	12/22/07 04:14	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	12/22/07 04:14	R
2-Methylnaphthalene	A	3.6	0.9	10	J	µg, Total	1	12/22/07 04:14	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	12/22/07 04:14	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	12/22/07 04:14	
2-Nitrophenol	A	ND	1	10		µg, Total	1	12/22/07 04:14	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	12/22/07 04:14	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	12/22/07 04:14	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	12/22/07 04:14	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	12/22/07 04:14	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	12/22/07 04:14	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	12/22/07 04:14	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	12/22/07 04:14	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	12/22/07 04:14	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	12/22/07 04:14	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
Bis(2-ethylhexyl)phthalate	A	1.7	1.1	10	J	µg, Total	1	12/22/07 04:14	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	12/22/07 04:14	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	12/22/07 04:14	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	12/22/07 04:14	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	12/22/07 04:14	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	12/22/07 04:14	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	12/22/07 04:14	
Hexachlorobutadiene	A	2.4	0.9	10	J	µg, Total	1	12/22/07 04:14	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	12/22/07 04:14	

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CMS 2/11/08

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-06A
Collection Date: 12/11/07 14:15
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	***ND***	0.9	10		µg, Total	1	12/22/07 04:14
Isophorone	A	***13***	1	10		µg, Total	1	12/22/07 04:14
N-Nitrosodi-n-propylamine	A	***ND***	1	10		µg, Total	1	12/22/07 04:14
N-Nitrosodiphenylamine	A	***ND***	0.7	10		µg, Total	1	12/22/07 04:14
Nitrobenzene	A	***ND***	1	10		µg, Total	1	12/22/07 04:14
Pentachlorophenol	A	***ND***	1.3	50		µg, Total	1	12/22/07 04:14 R
Phenol	A	***ND***	0.4	10		µg, Total	1	12/22/07 04:14 R
Surr: 2,4,6-Tribromophenol	S	18.5	0	30-130	S	%REC	1	12/22/07 04:14
Surr: 2-Fluorobiphenyl	S	50.0	0	30-130		%REC	1	12/22/07 04:14
Surr: 2-Fluorophenol	S	0.567	0	30-130	S	%REC	1	12/22/07 04:14
Surr: Nitrobenzene-d5	S	55.3	0	30-130		%REC	1	12/22/07 04:14
Surr: Phenol-d5	S	51.9	0	30-130		%REC	1	12/22/07 04:14
Surr: Terphenyl-d14	S	56.3	0	30-130		%REC	1	12/22/07 04:14
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	***ND***	0.21	1.0		µg, Total	1	12/22/07 00:56
Acenaphthylene	A	***ND***	0.22	1.0		µg, Total	1	12/22/07 00:56
Anthracene	A	***ND***	0.27	1.0		µg, Total	1	12/22/07 00:56
Benzo[a]anthracene	A	***ND***	0.47	1.0		µg, Total	1	12/22/07 00:56
Benzo[a]pyrene	A	***ND***	0.38	1.0		µg, Total	1	12/22/07 00:56
Benzo[b]fluoranthene	A	***ND***	0.44	1.0		µg, Total	1	12/22/07 00:56
Benzo[g,h,i]perylene	A	***ND***	0.72	1.0		µg, Total	1	12/22/07 00:56
Benzo[k]fluoranthene	A	***ND***	0.8	1.0		µg, Total	1	12/22/07 00:56
Chrysene	A	***ND***	0.57	1.0		µg, Total	1	12/22/07 00:56
Dibenz[a,h]anthracene	A	***ND***	0.54	1.0		µg, Total	1	12/22/07 00:56
Fluoranthene	A	***ND***	0.39	1.0		µg, Total	1	12/22/07 00:56
Fluorene	A	***ND***	0.25	1.0		µg, Total	1	12/22/07 00:56
Indeno[1,2,3cd]pyrene	A	***ND***	0.56	1.0		µg, Total	1	12/22/07 00:56
Naphthalene	A	***27***	0.16	1.0		µg, Total	1	12/22/07 00:56
Phenanthrene	A	***ND***	0.27	1.0		µg, Total	1	12/22/07 00:56
Pyrene	A	***ND***	0.44	1.0		µg, Total	1	12/22/07 00:56
Surr: Nitrobenzene-d5	S	48.2	0	30-130		%REC	1	12/22/07 00:56
Surr: 2-Fluorobiphenyl	S	57.4	0	30-130		%REC	1	12/22/07 00:56
Surr: Terphenyl-d14	S	66.0	0	30-130		%REC	1	12/22/07 00:56

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CMS 2/1/08

ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #6 TOX 2 INFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-06B
Collection Date: 12/11/07 14:15
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15**				Prep Date/Time:				Analyst: **MAK**
1,1,1-Trichloroethane	A	*19000*	200	1200		ppbv	3,00	12/19/07 00:32
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	12/19/07 01:56
1,1,2-Trichloroethane	A	*160*	6.6	30		ppbv	60	12/19/07 01:56
1,1-Dichloroethane	A	*2600*	58	290		ppbv	600	12/19/07 01:14
1,1-Dichloroethene	A	*62*	4.2	30		ppbv	60	12/19/07 01:56
1,2-Dichloroethane	A	*540*	6	30		ppbv	60	12/19/07 01:56
1,2-Dichloropropane	A	*140*	5.4	30		ppbv	60	12/19/07 01:56
2-Butanone	A	*17000*	520	5000		ppbv	3,00	12/19/07 00:32
2-Hexanone	A	*310*	6.6	120		ppbv	60	12/19/07 01:56
4-Methyl-2-Pentanone	A	*6100*	92	290		ppbv	600	12/19/07 01:14
Acetone	A	*18000*	300	5000		ppbv	3,00	12/19/07 00:32
Benzene	A	*7500*	58	290		ppbv	600	12/19/07 01:14
Bromodichloromethane	A	*ND*	6	30		ppbv	60	12/19/07 01:56
Bromoform	A	*ND*	5.4	30		ppbv	60	12/19/07 01:56
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/19/07 01:56
Carbon disulfide	A	*570*	20	30		ppbv	60	12/19/07 01:56
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/19/07 01:56
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/19/07 01:56
Chloroethane	A	*53*	6.6	30		ppbv	60	12/19/07 01:56
Chloroform	A	*1500*	63	290		ppbv	600	12/19/07 01:14
Chloromethane	A	*16*	4.2	120	J	ppbv	60	12/19/07 01:56
cis-1,2-Dichloroethene	A	*1100*	5.4	30		ppbv	60	12/19/07 01:56
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 01:56
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/19/07 01:56
Ethyl benzene	A	*8000*	63	290		ppbv	600	12/19/07 01:14
m,p-Xylene	A	*39000*	320	2500		ppbv	3,00	12/19/07 00:32
Methylene chloride	A	*23000*	1100	10000		ppbv	3,00	12/19/07 00:32
o-Xylene	A	*17000*	320	1200		ppbv	3,00	12/19/07 00:32
Styrene	A	*230*	7.8	30		ppbv	60	12/19/07 01:56
Tetrachloroethene	A	*10000*	63	290		ppbv	600	12/19/07 01:14
Toluene	A	*67000*	1600	7300		ppbv	4,40	12/26/07 14:19
trans-1,2-Dichloroethene	A	*23*	4.8	30	J	ppbv	60	12/19/07 01:56
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 01:56
Trichloroethene	A	*9800*	63	290		ppbv	600	12/19/07 01:14
Vinyl chloride	A	*99*	4.8	30		ppbv	60	12/19/07 01:56
Surr: 4-Bromofluorobenzene	S	91.9	0	77.7-127		%REC	60	12/19/07 01:56

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-07A
Collection Date: 12/11/07 14:17
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
1,2-Dichlorobenzene	A	21	0.7	10		µg, Total	1	12/26/07 22:23	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	12/26/07 22:23	
1,4-Dichlorobenzene	A	2.7	0.9	10	J	µg, Total	1	12/26/07 22:23	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	12/26/07 22:23	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	12/26/07 22:23	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	12/26/07 22:23	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	12/26/07 22:23	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	12/26/07 22:23	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	12/26/07 22:23	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	12/26/07 22:23	R
2-Methylnaphthalene	A	3.8	0.9	10	J	µg, Total	1	12/26/07 22:23	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	12/26/07 22:23	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	12/26/07 22:23	
2-Nitrophenol	A	ND	1	10		µg, Total	1	12/26/07 22:23	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	12/26/07 22:23	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	12/26/07 22:23	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	12/26/07 22:23	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	12/26/07 22:23	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	12/26/07 22:23	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	12/26/07 22:23	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	12/26/07 22:23	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	12/26/07 22:23	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	12/26/07 22:23	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
Bis(2-ethylhexyl)phthalate	A	3.4	1.1	10	J	µg, Total	1	12/26/07 22:23	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	12/26/07 22:23	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	12/26/07 22:23	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	12/26/07 22:23	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	12/26/07 22:23	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	12/26/07 22:23	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	12/26/07 22:23	
Hexachlorobutadiene	A	2.9	0.9	10	J	µg, Total	1	12/26/07 22:23	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	12/26/07 22:23	

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-07A
Collection Date: 12/11/07 14:17
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	12/26/07 22:23
Isophorone	A	19	1	10		µg, Total	1	12/26/07 22:23
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	12/26/07 22:23
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	12/26/07 22:23
Nitrobenzene	A	ND	1	10		µg, Total	1	12/26/07 22:23
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	12/26/07 22:23
Phenol	A	ND	0.4	10		µg, Total	1	12/26/07 22:23
Surr: 2,4,6-Tribromophenol	S	10.1	0	30-130	S	%REC	1	12/26/07 22:23
Surr: 2-Fluorobiphenyl	S	63.0	0	30-130		%REC	1	12/26/07 22:23
Surr: 2-Fluorophenol	S	0.353	0	30-130	S	%REC	1	12/26/07 22:23
Surr: Nitrobenzene-d5	S	63.7	0	30-130		%REC	1	12/26/07 22:23
Surr: Phenol-d5	S	51.1	0	30-130		%REC	1	12/26/07 22:23
Surr: Terphenyl-d14	S	65.6	0	30-130		%REC	1	12/26/07 22:23
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	12/22/07 01:22
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	12/22/07 01:22
Anthracene	A	ND	0.27	1.0		µg, Total	1	12/22/07 01:22
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	12/22/07 01:22
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	12/22/07 01:22
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	12/22/07 01:22
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	12/22/07 01:22
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	12/22/07 01:22
Chrysene	A	ND	0.57	1.0		µg, Total	1	12/22/07 01:22
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	12/22/07 01:22
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	12/22/07 01:22
Fluorene	A	ND	0.25	1.0		µg, Total	1	12/22/07 01:22
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	12/22/07 01:22
Naphthalene	A	34	0.16	1.0		µg, Total	1	12/22/07 01:22
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	12/22/07 01:22
Pyrene	A	ND	0.44	1.0		µg, Total	1	12/22/07 01:22
Surr: Nitrobenzene-d5	S	52.3	0	30-130		%REC	1	12/22/07 01:22
Surr: 2-Fluorobiphenyl	S	59.4	0	30-130		%REC	1	12/22/07 01:22
Surr: Terphenyl-d14	S	73.6	0	30-130		%REC	1	12/22/07 01:22

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #7 TOX 2 INFLUENT (DUP)
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-07B
Collection Date: 12/11/07 14:17
Date Received: 12/11/07 16:50

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*23000*	240	1500		ppbv	3,00	12/19/07 21:38
1,1,2,2-Tetrachloroethane	A	*ND*	8.4	30		ppbv	60	12/19/07 23:04
1,1,2-Trichloroethane	A	*170*	6.6	30		ppbv	60	12/19/07 23:04
1,1-Dichloroethane	A	*2900*	58	290		ppbv	600	12/19/07 22:21
1,1-Dichloroethene	A	*81*	4.2	30		ppbv	60	12/19/07 23:04
1,2-Dichloroethane	A	*600*	6	30		ppbv	60	12/19/07 23:04
1,2-Dichloropropane	A	*150*	5.4	30		ppbv	60	12/19/07 23:04
2-Butanone	A	*20000*	630	6000		ppbv	3,00	12/19/07 21:38
2-Hexanone	A	*280*	6.6	120		ppbv	60	12/19/07 23:04
4-Methyl-2-Pentanone	A	*7100*	92	290		ppbv	600	12/19/07 22:21
Acetone	A	*20000*	360	6000		ppbv	3,00	12/19/07 21:38
Benzene	A	*7700*	58	290		ppbv	600	12/19/07 22:21
Bromodichloromethane	A	*82*	6	30		ppbv	60	12/19/07 23:04
Bromoform	A	*ND*	5.4	30		ppbv	60	12/19/07 23:04
Bromomethane	A	*ND*	4.8	30		ppbv	60	12/19/07 23:04
Carbon disulfide	A	*490*	20	30		ppbv	60	12/19/07 23:04
Carbon tetrachloride	A	*ND*	6.6	30		ppbv	60	12/19/07 23:04
Chlorobenzene	A	*ND*	6.6	30		ppbv	60	12/19/07 23:04
Chloroethane	A	*73*	6.6	30		ppbv	60	12/19/07 23:04
Chloroform	A	*1600*	63	290		ppbv	600	12/19/07 22:21
Chloromethane	A	*23*	4.2	120	J	ppbv	60	12/19/07 23:04
cis-1,2-Dichloroethene	A	*1800*	52	290		ppbv	600	12/19/07 22:21
cis-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 23:04
Dibromochloromethane	A	*ND*	4.2	30		ppbv	60	12/19/07 23:04
Ethyl benzene	A	*8200*	63	290		ppbv	600	12/19/07 22:21
m,p-Xylene	A	*55000*	390	3000		ppbv	3,00	12/19/07 21:38
Methylene chloride	A	*30000*	1300	12000		ppbv	3,00	12/19/07 21:38
o-Xylene	A	*23000*	390	1500		ppbv	3,00	12/19/07 21:38
Styrene	A	*240*	7.8	30		ppbv	60	12/19/07 23:04
Tetrachloroethene	A	*11000*	63	290		ppbv	600	12/19/07 22:21
Toluene	A	*80000*	1600	7300		ppbv	4,40	12/26/07 15:00
trans-1,2-Dichloroethene	A	*29*	4.8	30	J	ppbv	60	12/19/07 23:04
trans-1,3-Dichloropropene	A	*ND*	6	30		ppbv	60	12/19/07 23:04
Trichloroethene	A	*11000*	63	290		ppbv	600	12/19/07 22:21
Vinyl chloride	A	*140*	4.8	30		ppbv	60	12/19/07 23:04
Surr: 4-Bromofluorobenzene	S	91.5	0	77.7-127		%REC	60	12/19/07 23:04

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-08A
Collection Date: 12/11/07 14:50
Date Received: 12/11/07 16:50

SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD** Prep Date/Time: **12/18/07 00:00** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
1,2,4-Trichlorobenzene	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
1,2-Dichlorobenzene	A	ND	0.7	10		µg, Total	1	12/26/07 22:47	
1,3-Dichlorobenzene	A	ND	0.8	10		µg, Total	1	12/26/07 22:47	
1,4-Dichlorobenzene	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
2,4,5-Trichlorophenol	A	ND	1.5	10		µg, Total	1	12/26/07 22:47	R
2,4,6-Trichlorophenol	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
2,4-Dichlorophenol	A	ND	0.7	10		µg, Total	1	12/26/07 22:47	
2,4-Dimethylphenol	A	ND	0.8	10		µg, Total	1	12/26/07 22:47	
2,4-Dinitrophenol	A	ND	9.4	50		µg, Total	1	12/26/07 22:47	
2,4-Dinitrotoluene	A	ND	0.8	10		µg, Total	1	12/26/07 22:47	
2,6-Dinitrotoluene	A	ND	1.1	10		µg, Total	1	12/26/07 22:47	
2-Chloronaphthalene	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
2-Chlorophenol	A	ND	0.7	10		µg, Total	1	12/26/07 22:47	R
2-Methylnaphthalene	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
2-Methylphenol	A	ND	0.7	10		µg, Total	1	12/26/07 22:47	R
2-Nitroaniline	A	ND	1	50		µg, Total	1	12/26/07 22:47	
2-Nitrophenol	A	ND	1	10		µg, Total	1	12/26/07 22:47	R
3,3´-Dichlorobenzidine	A	ND	0.7	50		µg, Total	1	12/26/07 22:47	
3-Nitroaniline	A	ND	1.3	50		µg, Total	1	12/26/07 22:47	
3/4-Methylphenol	A	ND	0.8	10		µg, Total	1	12/26/07 22:47	R
4,6-Dinitro-2-methylphenol	A	ND	1.1	50		µg, Total	1	12/26/07 22:47	R
4-Bromophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
4-Chloro-3-methylphenol	A	ND	1.2	20		µg, Total	1	12/26/07 22:47	R
4-Chloroaniline	A	ND	1	20		µg, Total	1	12/26/07 22:47	
4-Chlorophenyl phenyl ether	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
4-Nitroaniline	A	ND	1.7	50		µg, Total	1	12/26/07 22:47	
4-Nitrophenol	A	ND	4.3	50		µg, Total	1	12/26/07 22:47	R
Bis(2-chloroethoxy)methane	A	ND	1	10		µg, Total	1	12/26/07 22:47	
Bis(2-chloroethyl)ether	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
Bis(2-ethylhexyl)phthalate	A	35	1.1	10		µg, Total	1	12/26/07 22:47	
Butyl benzyl phthalate	A	ND	1	10		µg, Total	1	12/26/07 22:47	
Di-n-butyl phthalate	A	ND	1.2	10		µg, Total	1	12/26/07 22:47	
Di-n-octyl phthalate	A	ND	1.1	10		µg, Total	1	12/26/07 22:47	
Dibenzofuran	A	ND	0.8	10		µg, Total	1	12/26/07 22:47	
Diethyl phthalate	A	ND	1.1	10		µg, Total	1	12/26/07 22:47	
Dimethyl phthalate	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
Hexachlorobenzene	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
Hexachlorobutadiene	A	ND	0.9	10		µg, Total	1	12/26/07 22:47	
Hexachlorocyclopentadiene	A	ND	0.6	10		µg, Total	1	12/26/07 22:47	

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-08A
Collection Date: 12/11/07 14:50
Date Received: 12/11/07 16:50

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMI-VOLATILE ORGANIC ANALYTE Method: **TO-13MOD**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Hexachloroethane	A	ND	0.9	10		µg, Total	1	12/26/07 22:47
Isophorone	A	ND	1	10		µg, Total	1	12/26/07 22:47
N-Nitrosodi-n-propylamine	A	ND	1	10		µg, Total	1	12/26/07 22:47
N-Nitrosodiphenylamine	A	ND	0.7	10		µg, Total	1	12/26/07 22:47
Nitrobenzene	A	ND	1	10		µg, Total	1	12/26/07 22:47
Pentachlorophenol	A	ND	1.3	50		µg, Total	1	12/26/07 22:47
Phenol	A	ND	0.4	10		µg, Total	1	12/26/07 22:47
Surr: 2,4,6-Tribromophenol	S	2.45	0	30-130	S	%REC	1	12/26/07 22:47
Surr: 2-Fluorobiphenyl	S	63.7	0	30-130		%REC	1	12/26/07 22:47
Surr: 2-Fluorophenol	S	0.213	0	30-130	S	%REC	1	12/26/07 22:47
Surr: Nitrobenzene-d5	S	59.3	0	30-130		%REC	1	12/26/07 22:47
Surr: Phenol-d5	S	46.8	0	30-130		%REC	1	12/26/07 22:47
Surr: Terphenyl-d14	S	63.3	0	30-130		%REC	1	12/26/07 22:47
PAHS BY GC/MS-SIM Method: **TO-13**						Prep Date/Time: **12/18/07 00:00**	Analyst: **BEM**	
Acenaphthene	A	ND	0.21	1.0		µg, Total	1	12/22/07 01:48
Acenaphthylene	A	ND	0.22	1.0		µg, Total	1	12/22/07 01:48
Anthracene	A	ND	0.27	1.0		µg, Total	1	12/22/07 01:48
Benzo[a]anthracene	A	ND	0.47	1.0		µg, Total	1	12/22/07 01:48
Benzo[a]pyrene	A	ND	0.38	1.0		µg, Total	1	12/22/07 01:48
Benzo[b]fluoranthene	A	ND	0.44	1.0		µg, Total	1	12/22/07 01:48
Benzo[g,h,i]perylene	A	ND	0.72	1.0		µg, Total	1	12/22/07 01:48
Benzo[k]fluoranthene	A	ND	0.8	1.0		µg, Total	1	12/22/07 01:48
Chrysene	A	ND	0.57	1.0		µg, Total	1	12/22/07 01:48
Dibenz[a,h]anthracene	A	ND	0.54	1.0		µg, Total	1	12/22/07 01:48
Fluoranthene	A	ND	0.39	1.0		µg, Total	1	12/22/07 01:48
Fluorene	A	ND	0.25	1.0		µg, Total	1	12/22/07 01:48
Indeno[1,2,3cd]pyrene	A	ND	0.56	1.0		µg, Total	1	12/22/07 01:48
Naphthalene	A	ND	0.16	1.0		µg, Total	1	12/22/07 01:48
Phenanthrene	A	ND	0.27	1.0		µg, Total	1	12/22/07 01:48
Pyrene	A	ND	0.44	1.0		µg, Total	1	12/22/07 01:48
Surr: Nitrobenzene-d5	S	59.0	0	30-130		%REC	1	12/22/07 01:48
Surr: 2-Fluorobiphenyl	S	53.3	0	30-130		%REC	1	12/22/07 01:48
Surr: Terphenyl-d14	S	72.1	0	30-130		%REC	1	12/22/07 01:48

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ANALYTICAL RESULTS

Date: *Thursday, January 03, 2008*

Client: MWH, Inc.
Client Project: Monthly Air / ACS - Dec 2007
Client Sample ID: #8 TOX 2 EFFLUENT
Sample Description:
Sample Matrix: Air

Work Order / ID: ME0712443-08B
Collection Date: 12/11/07 14:50
Date Received: 12/11/07 16:50

TOXIC ORGANICS IN AIR BY GC/MS Method: **TO-15** Prep Date/Time: Analyst: **MAK**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
1,1,1-Trichloroethane	A	*40*	0.2	1.2		ppbv	3	12/20/07 08:59
1,1,2,2-Tetrachloroethane	A	*ND*	0.14	0.50		ppbv	1	12/26/07 12:12
1,1,2-Trichloroethane	A	*ND*	0.11	0.50		ppbv	1	12/26/07 12:12
1,1-Dichloroethane	A	*8.6*	0.1	0.50		ppbv	1	12/26/07 12:12
1,1-Dichloroethene	A	*1.6*	0.07	0.50		ppbv	1	12/26/07 12:12
1,2-Dichloroethane	A	*1.7*	0.1	0.50		ppbv	1	12/26/07 12:12
1,2-Dichloropropane	A	*0.49*	0.09	0.50	J	ppbv	1	12/26/07 12:12
2-Butanone	A	*420*	8.7	83		ppbv	50	12/20/07 10:23
2-Hexanone	A	*4.5*	0.11	2.0		ppbv	1	12/26/07 12:12
4-Methyl-2-Pentanone	A	*110*	6.6	21		ppbv	50	12/20/07 10:23
Acetone	A	*600*	5	83		ppbv	50	12/20/07 10:23
Benzene	A	*19*	0.25	1.2		ppbv	3	12/20/07 08:59
Bromodichloromethane	A	*ND*	0.1	0.50		ppbv	1	12/26/07 12:12
Bromoform	A	*ND*	0.09	0.50		ppbv	1	12/26/07 12:12
Bromomethane	A	*ND*	0.08	0.50		ppbv	1	12/26/07 12:12
Carbon disulfide	A	*ND*	0.33	0.50		ppbv	1	12/26/07 12:12
Carbon tetrachloride	A	*ND*	0.11	0.50		ppbv	1	12/26/07 12:12
Chlorobenzene	A	*ND*	0.11	0.50		ppbv	1	12/26/07 12:12
Chloroethane	A	*2.4*	0.11	0.50		ppbv	1	12/26/07 12:12
Chloroform	A	*4.9*	0.11	0.50		ppbv	1	12/26/07 12:12
Chloromethane	A	*1.1*	0.07	2.0	J	ppbv	1	12/26/07 12:12
cis-1,2-Dichloroethene	A	*9.8*	0.09	0.50		ppbv	1	12/26/07 12:12
cis-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	12/26/07 12:12
Dibromochloromethane	A	*ND*	0.07	0.50		ppbv	1	12/26/07 12:12
Ethyl benzene	A	*20*	0.11	0.50		ppbv	1	12/26/07 12:12
m,p-Xylene	A	*80*	0.32	2.5		ppbv	3	12/20/07 08:59
Methylene chloride	A	*28*	1.1	10		ppbv	3	12/20/07 08:59
o-Xylene	A	*38*	0.32	1.2		ppbv	3	12/20/07 08:59
Styrene	A	*2.0*	0.13	0.50		ppbv	1	12/26/07 12:12
Tetrachloroethene	A	*33*	0.28	1.2		ppbv	3	12/20/07 08:59
Toluene	A	*220*	4.6	21		ppbv	50	12/20/07 10:23
trans-1,2-Dichloroethene	A	*0.34*	0.08	0.50	J	ppbv	1	12/26/07 12:12
trans-1,3-Dichloropropene	A	*ND*	0.1	0.50		ppbv	1	12/26/07 12:12
Trichloroethene	A	*25*	0.28	1.2		ppbv	3	12/20/07 08:59
Vinyl chloride	A	*4.5*	0.08	0.50		ppbv	1	12/26/07 12:12
Surr: 4-Bromofluorobenzene	S	95.8	0	77.7-127		%REC	1	12/26/07 12:12

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