

**SUPPLEMENTAL GROUNDWATER INVESTIGATION REPORT
EMERSON POWER TRANSMISSION FACILITY
ITHACA, NEW YORK**

PREPARED

BY

ENVIRONMENTAL STRATEGIES CONSULTING LLC

OCTOBER 19, 2005

Contents

	Page
1.0 Introduction	1
2.0 Site Background	2
2.1 Site Location and History	2
2.2 Site Geology	2
2.2.1 Vertical Joint Sets and Fractures	3
2.3 Site Hydrogeology	3
3.0 Objectives	5
4.0 Scope of Work	6
4.1 Monitoring Well Installation	6
4.1.1 Groundwater Sampling and Development Procedures	7
5.0 Results	9
5.1 Groundwater Sampling Results	9
6.0 Conclusions	10

List of Figures:

Figure 1 –Newly Installed Groundwater Monitoring Well Locations

List of Tables:

Table 1 – Groundwater Sampling Results

List of Appendices:

Appendix A – Boring Logs
Appendix B – Groundwater Sampling Logs
Appendix C – Laboratory Data Sheets

1.0 Introduction

On behalf of Emerson, Environmental Strategies Consulting LLC conducted a supplemental groundwater investigation at the Emerson Power Transmission (EPT) facility in Ithaca, New York. The objective of the investigation was to further evaluate groundwater quality in areas immediately downgradient of the current remediation area. The scope of work involved installing and sampling three offsite groundwater monitoring wells within the upper most portion of fractured bedrock. The work was conducted in accordance with the Supplemental Groundwater Investigation Work Plan approved by the New York State Department of Environmental Conservation (NYSDEC) on July 18, 2005. The work plan was submitted to the NYSDEC in fulfillment of requirements outlined in the July 13, 1987, Consent Order entered into by the NYSDEC and Emerson. The field activities were also conducted in accordance with the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated December 25, 2002.

The following section of this report presents background information on the site. Section 3.0 describes the objectives and a summary of the components of the investigation. Section 4.0 describes the scope of work in greater detail. This is followed by a discussion of the results and conclusions.

2.0 Site Background

2.1 Site Location and History

The EPT facility is located at 620 South Aurora Street in Ithaca, New York. The site comprises approximately 110 acres within the City of Ithaca and the Town of Ithaca in Tompkins County and includes the New York State Electric and Gas (NYSE&G) substation property to the west. The area surrounding the site is mostly residential. The campus of Ithaca College borders the site on the east across South Aurora Street. The southern portion of the property is unused and vacant. Wooded land and residential areas border the property to the west, and residential areas are located to the north. Cayuga Lake is approximately 2 miles north of the site.

The Emerson Power Transmission plant was built in 1906 by Morse Industrial Corporation, which manufactured steel roller chain for the automobile industry. From approximately 1928 to 1982, Borg Warner owned the company and manufactured automotive components and power transmission equipment. Up until the early 1980s, Morse Industrial Corporation used trichloroethylene (TCE), a widely-used solvent for cleaning and degreasing metal parts. In 1983, Morse Industrial Corporation was purchased from Borg-Warner Corporation by Emerson, and became known as Emerson Power Transmission. Emerson Power Transmission manufactures industrial roller chain, bearings and clutching for the power transmission industry. Under Emerson's ownership, TCE was not used at the Ithaca facility. Investigations conducted by Emerson revealed onsite groundwater contamination in 1987, originating from a fire-water reservoir located on the western portion of the property. Emerson promptly reported these findings to the New York State Department of Environmental Conservation.

2.2 Site Geology

Unconsolidated overburden material at the site is comprised of glacial till. The overburden is approximately 5 to 10 feet thick in most areas of the site. The overburden deposits consist of dark gray compacted clay with trace amounts of coarse gravel and are referred to as the A-zone.

Beneath the overburden lies bedrock of the Ithaca Member, consisting of a fractured siltstone. The siltstone is divided into three distinct zones, based on the frequency of bedding planes and fractures: an upper “stress relief zone” (B-zone), a middle “transitional zone” (C-zone), and a lower “lithologically controlled zone” (D-zone). The uppermost B-zone is weathered bedrock and highly fractured. The B-zone extends to a maximum depth of approximately 22 feet below ground surface (bgs) and has an average thickness of approximately 8 to 10 feet on the west portion of the site where the current remediation system is located.

The transitional zone (C-zone) extends from the base of the B-zone to a maximum depth of approximately 55 feet bgs beneath the site. The lower lithologically controlled zone (D-zone) extends from the bottom of the C-zone to a minimum depth of 145 feet bgs. In this lower zone, fractures are reportedly confined to intervals that are widely spaced, and their occurrence is controlled by lithology.

2.2.1 Vertical Joint Sets and Fractures

Four regular joint sets are recognized regionally: Two cross-strike joint sets (Ia and Ib) related to separate phases of the Alleghanian Orogeny, a strike-parallel set (II), and an oblique set (III) reflecting the contemporary stress field. Engelder and Geisler (1980) measured orientations of the joint sets in Tompkins County and throughout the Appalachian Plateau of New York. The average strike of Ib joints at 11 outcrops of the Genesee Group in Tompkins County was $341^{\circ} \pm 3^{\circ}$ (N19W). The average strike of Ia joints at 2 outcrops of the Genesee Group in Tompkins County was $007^{\circ} \pm 3^{\circ}$ (N7E). The average orientation of the strike-parallel joint set (II) was 82° .

Engelder and Geisler (1980) also observed that joints in the siltstones are more likely to have regular spacing, while joints in the shales were less likely to be regularly spaced. Vertically, joints tended to terminate at lithologic boundaries.

2.3 **Site Hydrogeology**

Groundwater is present in the overburden and in bedrock. The direction of groundwater flow in the overburden and the upper portion of fractured bedrock (B-zone) is to the northwest. Groundwater within the overburden and upper portion of fractured bedrock are in direct hydraulic communication and unconfined. The deeper zones of fractured bedrock (C- and

D-zones) are under semi-confined conditions. Historic groundwater elevations from well clusters screened at greater depths within bedrock indicate a downward hydraulic gradient.

Based on groundwater elevation data collected on May 19, 2005, the direction of groundwater flow within the shallow bedrock (B-zone) aquifer is to the northwest. The overall pattern of flow generally mimics the surface topography, with a steep gradient observed between the EPT facility and West Spencer Street (South Hill) and a flatter gradient west of West Spencer Street.

3.0 Objectives

The objective of the supplemental groundwater investigation was to further evaluate groundwater quality immediately downgradient (west) of the current remediation area. The scope of work included:

- installing and sampling three groundwater monitoring wells (MW-30B, MW-31B, and MW-32B) within the upper portion of fractured bedrock (B-zone) immediate west and northwest of the current remediation area

4.0 Scope of Work

4.1 Monitoring Well Installation

Three groundwater monitoring wells (MW-30B, MW-31B, and MW-32B) were installed downgradient of the current remediation area near the NYSE&G South Cayuga Substation between July 27 and August 9, 2005. The well locations are shown in Figure 1.

In accordance with the approved scope of work, each well was installed and screened in the upper portion of the fractured bedrock (B-zone). The wells were completed between 14 and 18 feet bgs. Boreholes for the monitoring wells were drilled through the overburden using 8.25-inch inside-diameter (ID) hollow-stem augers. Continuous soil samples were collected from the ground surface to refusal at bedrock using 2-foot-long, split-spoon samplers. The soils recovered from the split spoons were screened for organic vapors in the field using a photoionization detector (PID). Sample descriptions and PID readings were recorded in a field notebook.

Bedrock was cored to determine the quantity of fractures and for logging purposes (Appendix A). The screened interval and final depth of the monitoring wells depended on the quantity of fractures present. The boreholes were terminated as the quantity of fractures began to diminish with depth. Once the terminal depth of each well was reached, the borehole for each well was expanded (reamed) using a 6.25-inch rotary air hammer.

The monitoring wells were constructed of 2-inch-ID threaded, flush jointed, Schedule 40 polyvinyl chloride (PVC) blank casing attached to screens with 0.010-inch horizontal slots. Screen length ranged from 6 to 8 feet. A clean sand filter pack was placed from the bottom of the well borehole to approximately 2 feet above the top of the screen. A 3-foot-thick bentonite seal was then placed on top of the sand filter pack. The remaining annular space was backfilled with a cement-bentonite grout mixture (tremie piped from the bottom to the top).

The wells were completed flush with the ground surface using protective, steel well coverings, with the exception of MW-30B and MW-31B, where above-grade lockable steel casing was used. The inner casing of the flush-mounted wells was fitted with a watertight lockable cap. Well construction information was recorded in a field notebook, and boring logs and as-built well construction diagrams were prepared for each monitoring well after completion of the field activities (Appendix A). All wells were completed and installed by Parratt Wolff,

Inc., a driller licensed in the state of New York, in accordance with Environmental Conservation Law 15-1525.

Drill cuttings and water generated during monitoring well installation were contained in Department of Transportation-approved, 55-gallon steel drums. The drums were labeled and moved to a staging area on the EPT site. Water generated during the well installation was collected and added to the onsite groundwater treatment system. All solid investigative-derived waste (i.e., drill cuttings) will be sampled and analyzed for disposal characterization. Used protective clothing and equipment was managed in a manner consistent with the U.S. Environmental Protection Agency Guidance Document, Management of Investigative Derived Waste During Site Inspections (May 1991), OERR 9345.3-02.

All drilling and sampling activities were conducted with clean equipment. Split-spoon samplers were decontaminated at the EPT site in accordance with Environmental Strategies' standard operating procedures (SOPs). The drilling equipment (augers, rods, and hammer bit) was decontaminated at the EPT site using a portable steam cleaner. All decontamination fluids generated during the drilling activities were contained in 55-gallon steel drums and managed in the same manner as water generated during the well installation.

The ground surface elevations and the top of the PVC well casing at each new monitoring well were surveyed to the nearest 0.01 foot. The horizontal locations of the new wells were determined to the nearest 0.1 foot and referenced to the state plane coordinate system. A surveyor licensed in New York State surveyed the well locations and elevations. The locations and elevations of the monitoring wells were tied into the existing base map for the site.

4.1.1 Groundwater Sampling and Development Procedures

The new monitoring wells were developed to remove sediments and to ensure effective communication between the well screens and surrounding saturated zones. The wells were developed by surging the screened interval to loosen any fine-grained sediment in the sand filter pack and adjacent aquifer material. Groundwater from the well was removed by bailing or pumping. Turbidity, pH, temperature, and specific conductance were monitored during the development process to ensure that groundwater representative of the screened portion of the aquifer was entering the well. Development continued until the discharge was relatively free of suspended sediments. Water generated during the well development was collected in drums and added to the EPT onsite groundwater treatment system.

All development activities were conducted with clean equipment to prevent potential cross-contamination between well locations. Non-dedicated equipment was cleaned between use in each well.

Before initiating sampling, water level measurements were collected from the newly installed monitoring wells on August 17, 2005. Following the water level measurements, each well was purged dry (approximately three well volumes). After being allowed to recharge overnight, the wells were purged a second time as part of the standard sampling procedures. Measurements of pH, conductivity, temperature, and redox potential were obtained at least three times (beginning, middle, and end) during the well purging process, except in instances where the well experienced incomplete recharge. In these instances, measurements were made at least once before the well was purged dry. Groundwater sampling logs are included in Appendix B.

Groundwater samples were collected from each monitoring well on August 18, 2005, for analysis of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs) using disposable polyethylene bailers. It should be noted that well MW-31B was sampled for VOCs only, due to insufficient well volume.

All non-dedicated groundwater sampling equipment was decontaminated in the field. All monitoring well purging, groundwater sampling, and decontamination was conducted according to Environmental Strategies' SOPs, which are consistent with procedures outlined in the Resource Conservation and Recovery Act's Groundwater Monitoring Technical Enforcement Guidance Document.

Quality assurance/quality control samples, consisting of trip blanks and duplicates, were collected in accordance with SOPs. All samples were sealed, labeled, placed in a cooler with ice, and shipped to STL-Buffalo for analysis. Appropriate chain-of-custody procedures were followed.

5.0 Results

5.1 Groundwater Sampling Results

The August 2005 groundwater sampling results are summarized in Table 1 and shown in Figure 2. The laboratory data sheets are included in Appendix C.

Site related compounds were detected in two of the three monitoring wells. Monitoring well MW-32B, which is located 180 feet northwest of the remediation area on South Cayuga, contained detectable levels of 1,1,1-trichloroethane (3 microgram per liter [$\mu\text{g/l}$]), TCE (200 $\mu\text{g/l}$) and its associated degradation product *cis*-1,2,-dichlorethene (DCE; 160 $\mu\text{g/l}$). Low levels of TCE (5.5 $\mu\text{g/l}$) and *cis*-1,2-DCE (1.3 $\mu\text{g/l}$) were detected in monitoring MW-31B, which is located 180 feet west of the remediation area and 60 feet north of the NYSE&G substation. No site-related VOCs were detected in monitoring well MW-30B, located 220 feet west of remediation area.

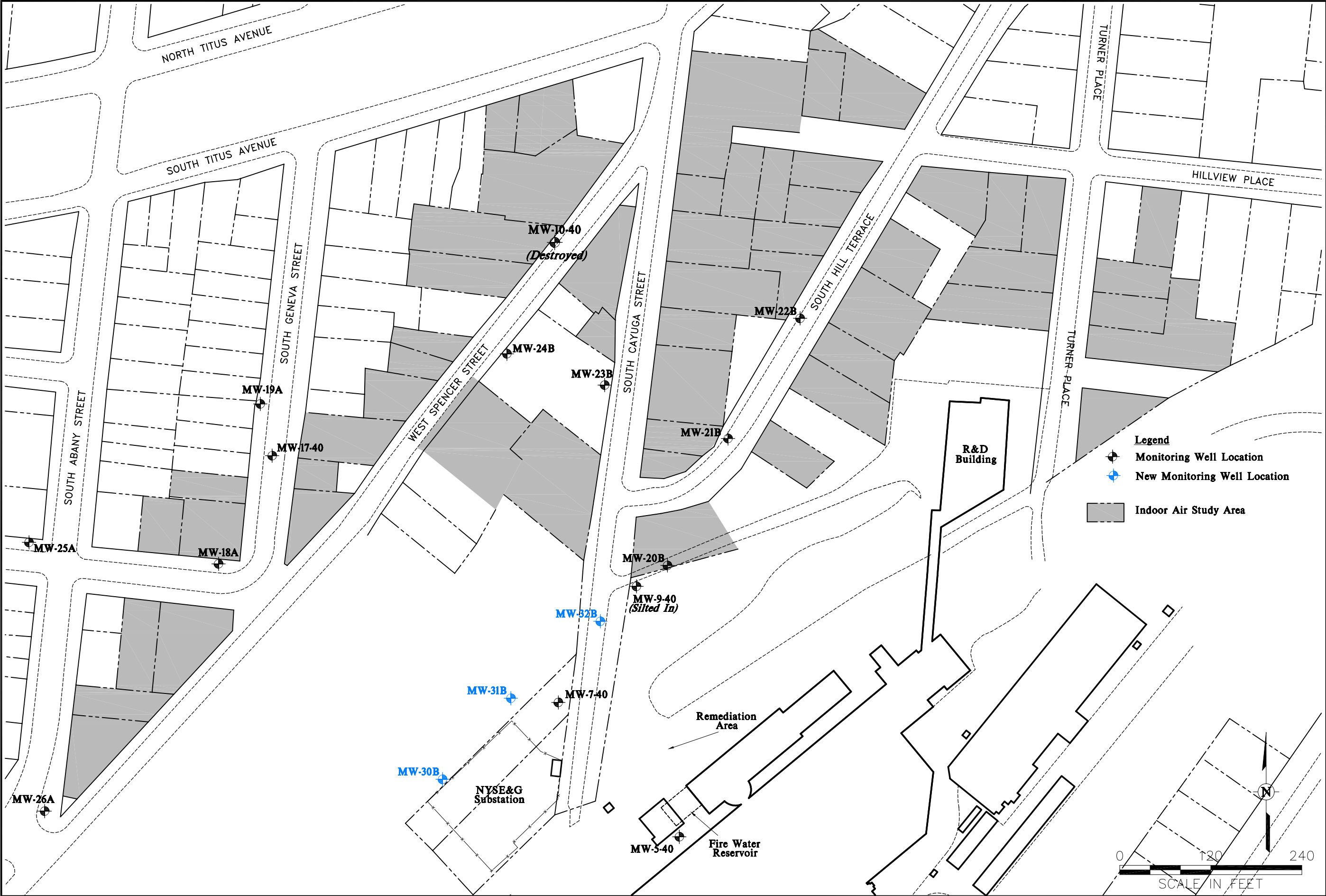
In addition to the site-related compounds detected in two of the new wells, chloroform, a common laboratory contaminant, was detected in each of the new wells at concentrations ranging from 1.6 $\mu\text{g/l}$ in MW-30B to 24 $\mu\text{g/l}$ in MW-31B. The presence of chloroform in the samples is likely the result of laboratory contamination.

No SVOCs or PCBs were detected in the samples collected from the three new wells.

6.0 Conclusions

The sampling results for the three new wells installed downgradient of the remediation area showed TCE in two wells and *cis*-1,2-DCE in one well above the state groundwater standards. Low levels of 1,2-DCE were detected in the second well, while no VOCs were found in the third well. Based groundwater investigations conducted to date, the area of affected groundwater related to the fire water reservoir appears to be restricted primarily to within the current remediation area. No SVOCs or PCBs were detected in samples collected from the three new wells.

Figure





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Figure 1
Groundwater Monitoring Well Locations
Emerson Power Transmission
Ithaca, New York

12749100.DWG

Table

Table 1

Supplemental Groundwater Investigation - Sampling Results
Emerson Power Transmission
Ithaca, New York
August 2005 (ug/l)

<u>Sample ID:</u>	<u>MW-30B</u>	<u>MW-31B (d)</u>	<u>MW-32B</u>	<u>MW-32B</u>
<u>Date:</u>	8/18/05	8/18/05	8/18/05	<u>(100) (e)</u>
Volatile Organic Compounds (ug/l)				
Acetone	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	5.2	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	1.6	24	2.7	2.8
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromomethane	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1- Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.3	160 D	160 D
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert butyl ether	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	3.2
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	5.5	200 D	200 D
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	3.0 U	3.0 U	3.0 U	3.0 U

Table 1

Supplemental Groundwater Investigation - Sampling Results
Emerson Power Transmission
Ithaca, New York
August 2005 (ug/l)

<u>Sample ID:</u>	<u>MW-30B</u>	<u>MW-31B (d)</u>	<u>MW-32B</u>	<u>MW-32B</u>
<u>Date:</u>	8/18/05	8/18/05	8/18/05	<u>(100) (e)</u>
Semivolatile Organic Compounds				
Acenaphthene	11 U	NA	11 U	12 U
Acenaphthylene	11 U	NA	11 U	12 U
Acetophenone	11 U	NA	11 U	12 U
Anthracene	11 U	NA	11 U	12 U
Atrazine	11 U	NA	11 U	12 U
Benzaldehyde	53 U	NA	56 U	59 U
Benzo(a)anthracene	11 U	NA	11 U	12 U
Benzo(b)fluoranthene	11 U	NA	11 U	12 U
Benzo(k)fluoranthene	11 U	NA	11 U	12 U
Benzo(ghi)perylene	11 U	NA	11 U	12 U
Benzo(a)pyrene	11 U	NA	11 U	12 U
Benzoic acid	160 U	NA	170 U	180 U
Benzyl alcohol	21 U	NA	22 U	24 U
Biphenyl	11 U	NA	11 U	12 U
Bis(2-chloroethoxy) methane	11 U	NA	11 U	12 U
Bis(2-chloroethyl) ether	11 U	NA	11 U	12 U
2,2'-Oxybis(1-Chlorophopane)	11 U	NA	11 U	12 U
Bis(2-ethylhexyl) phthalate	11 U	NA	11 U	12 U
4-Bromophenyl phenyl ether	11 U	NA	11 U	12 U
Butyl benzyl phthalate	11 U	NA	11 U	12 U
4-Chloroaniline	11 U	NA	11 U	12 U
4-Chloro-3-methylphenol	11 U	NA	11 U	12 U
2-Chloronaphthalene	11 U	NA	11 U	12 U
2-Chlorophenol	11 U	NA	11 U	12 U
4-Chlorophenyl phenyl ether	11 U	NA	11 U	12 U
Caprolactum	11 U	NA	11 U	12 U
Chrysene	11 U	NA	11 U	12 U
Dibenzo(a,h)anthracene	11 U	NA	11 U	12 U
Dibenzofuran	11 U	NA	11 U	12 U
Di-n-butyl phthalate	11 U	NA	11 U	12 U
1,2-Dichlorobenzene	11 U	NA	11 U	12 U
1,3-Dichlorobenzene	11 U	NA	11 U	12 U
1,4-Dichlorobenzene	11 U	NA	11 U	12 U
3,3'-dichlorobenzidine	21 U	NA	22 U	24 U
2,4-Dichlorophenol	11 U	NA	11 U	12 U
Diethyl phthalate	11 U	NA	11 U	12 U
2,4-Dimethylphenol	11 U	NA	11 U	12 U
Dimethyl phthalate	11 U	NA	11 U	12 U
4,6-Dinitro-2-methylphenol	53 U	NA	56 U	59 U
2,4-Dinitrophenol	53 U	NA	56 U	59 U
2,4-Dinitrotoluene	11 U	NA	11 U	12 U
2,6-Dinitrotoluene	11 U	NA	11 U	12 U
Di-n-octyl phthalate	11 U	NA	11 U	12 U
Fluoranthene	11 U	NA	11 U	12 U
Fluorene	11 U	NA	11 U	12 U
Hexachlorobenzene	11 U	NA	11 U	12 U
Hexachlorobutadiene	11 U	NA	11 U	12 U
Hexachlorocyclopentadiene	48 U	NA	50 U	53 U
Hexachloroethane	11 U	NA	11 U	12 U
Indeno(1,2,3-cd)pyrene	11 U	NA	11 U	12 U
Isophorone	11 U	NA	11 U	12 U
2-Methylnaphthalene	11 U	NA	11 U	12 U
2-Methylphenol	11 U	NA	11 U	12 U
4-Methylphenol	11 U	NA	11 U	12 U

Table 1

Supplemental Groundwater Investigation - Sampling Results
Emerson Power Transmission
Ithaca, New York
August 2005 (ug/l)

<u>Sample ID:</u>	<u>MW-30B</u>	<u>MW-31B (d)</u>	<u>MW-32B</u>	<u>MW-32B</u>
<u>Date:</u>	8/18/05	8/18/05	8/18/05	<u>(100) (e)</u>
Semivolatile Organic Compounds				
(continued)				
Naphthalene	11 U	NA	11 U	12 U
2-Nitroaniline	53 U	NA	56 U	59 U
3-Nitroaniline	53 U	NA	56 U	59 U
4-Nitroaniline	53 U	NA	56 U	59 U
Nitrobenzene	11 U	NA	11 U	12 U
2-Nitrophenol	11 U	NA	11 U	12 U
4-Nitrophenol	53 U	NA	56 U	59 U
N-Nitrosodiphenylamine	11 U	NA	11 U	12 U
N-Nitroso-Di-n-propylamine	11 U	NA	11 U	12 U
Pentachlorophenol	53 U	NA	56 U	59 U
Phenanthrene	11 U	NA	11 U	12 U
Phenol	11 U	NA	11 U	12 U
Pyrene	11 U	NA	11 U	12 U
1,2,4-Trichlorobenzene	11 U	NA	11 U	12 U
2,4,5-Trichlorophenol	11 U	NA	11 U	12 U
2,4,6-Trichlorophenol	11 U	NA	11 U	12 U
Polychlorinated Biphenyls				
Aroclor 1016	0.53 U	NA	0.52 U	0.62 U
Aroclor 1221	0.53 U	NA	0.52 U	0.62 U
Aroclor 1232	0.53 U	NA	0.52 U	0.62 U
Aroclor 1242	0.53 U	NA	0.52 U	0.62 U
Aroclor 1248	0.53 U	NA	0.52 U	0.62 U
Aroclor 1254	0.53 U	NA	0.52 U	0.62 U
Aroclor 1260	0.53 U	NA	0.52 U	0.62 U

a\ U = Compound not detected above method detection limit; D = Analytical result from a secondary duplicate; NA = Not applicable

d\ No analysis for semivolatiles and PCBs due to insufficient sample volume.

e\ Blind duplicate of MW-32

Appendix A – Boring Logs

Boring Log: MW-30B**Project:** EPT**Project No.:** 127491**Location:** Ithaca, NY**Completion Date:** August 4, 2005**Surface Elevation (feet AMSL*):** 532.55**TOC Elevation (feet AMSL*):** 534.64**Total Depth (feet):** 24.5**Borehole Diameter (inches):** 8/6

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
1	1	NA	NA NA NA NA	NA		Clayey Gravel (GC) Gray (N6) to black (N2.5) with coal, shale, and slag fragments; loose; dry; (fill).	
5	2	0.0	1 1 1 2	40			
3	3	0.0	2 2 3 5	50			
4	4	0.0	8 6 4 6	45		Silt with Gravel (ML) Brown (7.5YR 5/2) to dark brown (7.5YR 3/2); with trace coal and shale fragments; nonplastic; loose; dry to moist.	
10	5	0.0	6 7 12 15	70		Silt (ML) Light gray (N7) to brownish yellow (10YR 6/6); with trace limestone and shale fragments; nonplastic; loose; dry.	
6	6	0.0	44 34 18 14	40			
7	7	0.0	20 100/4	15			
15	8	NA	- - - -	100		Siltstone Gray (N5); weathered; highly fractured from 15 to 17.5 feet with weathering in fractures; fractures mainly along bedding; fractures mainly mechanical below 21 feet below ground surface; RQD 37% (10 to 14.5) and 75% (19.5 to 24.5).	
20	9	NA	- - -	100			
25						Bottom of Boring at 24.5 feet	
30							

Geologist(s): Gregory J. Frisch
Subcontractor: Parratt Wolff, Inc.
Driller/Operator: Mickey Marshal
Method: Hollow Stem Auger/Roller Bit

Environmental Strategies Consulting LLC

Boring Log: MW-31B**Project:** EPT**Project No.:** 127491**Location:** Ithaca, NY**Completion Date:** August 5, 2005**Surface Elevation (feet AMSL*):** 532.52**TOC Elevation (feet AMSL*):** 534.61**Total Depth (feet):** 24.5**Borehole Diameter (inches):** 8/6

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
1	1	NA	NA NA NA NA	NA		Silt with Gravel (ML) Gray (N5) to dark grayish brown (10YR 4/2); with coal and shale fragments; loose; dry; (fill).	
5	2	0.0	3 4 4 7	50			
	3	0.0	12 5 8 22	35			
10	4	0.0	19 100/2 - -	0			
	5	0.0	19 19 20 18	35			
	6	0.0	12 11 10 8	40			
15	7	0.0	50/1 - - -	0		Lean Clay with Gravel (CL) Dark gray (N4) to dark grayish brown (10YR 4/2); medium stiff; nonplastic; moist; weathered siltstone in shoe.	
20						Siltstone Gray (N5); weathered; highly fractured at 14.5 to 15.0 and 17.3 to 17.8 feet below ground surface; weathering in fractures; fracturing minly along bedding with vertical fracturing in highly fractured zones; fractures mainly mechanical below 21 feet below ground surface; RQD 38% (14.5 19.5) and 75 % (19.5 - 24.5).	
25						Bottom of Boring at 24.5 feet	
30							

Geologist(s): Gregory J. Frisch
Subcontractor: Parratt Wolff, Inc.
Driller/Operator: Mickey Marshal
Method: Hollow Stem Auger/Roller Bit

Environmental Strategies Consulting LLC

Boring Log: MW-32B**Project:** EPT**Project No.:** 127491**Location:** Ithaca, NY**Completion Date:** August 9, 2005**Surface Elevation (feet AMSL*):** 514.49**TOC Elevation (feet AMSL*):** 513.95**Total Depth (feet):** 11**Borehole Diameter (inches):** 8/6

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
1	1	NA	NA NA NA NA	NA		Clayey Gravel (GC) Dark gray (N3) to dark brown (10YR3/3); gravel for road base; loose; dry; (fill).	
2						Siltstone Light gray (N7); weathered; fractured; thinly bedded; fractures mainly along bedding with vertical fracturing and weathering from 3.7 to 4.0 feet below ground surface; RQD 66%.	
4	2	NA	- - -	100			
6							
8						Siltstone Same as above with natural fracturing at 10 to 10.2 feet below ground surface and mechanical fractures below 10.2 feet below ground surface; RQD 71%.	
10	3	NA	- - -	100			
12						Bottom of Boring at 11 feet	
14							

Geologist(s): Gregory J. Frisch
Subcontractor: Parratt Wolff, Inc.
Driller/Operator: Mickey Marshal
Method: Hollow Stem Auger/Roller Bit

Environmental Strategies Consulting LLC

Appendix B – Groundwater Sampling Logs



Well ID	MW-30B	Site:	EPT-Ithaca	Sample Date:	8/18/2005
Well Diameter	2 in				
Depth to Water	19.12 ft	Samplers	TAH, BLN		
Total Well Depth	26.63 ft	Weather Conditions and Notes:	Partly Cloudy, Calm, ~70 degrees F		
Height of Water Column	7.5 ft				
Well Volume	1.226 gal				

Instrument Calibration Information

D.O. Meter Calibration		ORP Meter Calibration		S.C. Meter Calibration		
DO slope =		ORP in stand.		Expected S.C.	Measured S.C.	Notes
DO in air =	mg/L	T of stand.				
Air temp =	°C	Standard used:				
pH Meter Calibration			Notes on calibration: Horiba U-10 water quality meter calibrated to manufacturer's specifications using auto-cal solution.			
pH of Stand. 1	pH of Stand. 2	Slope				

Well Purging Information

Purge Volume (gal)	D.O. (mg/L)	T (°C)	ORP (mV)	S.C. (mS/cm)	Turb. (NTU)	pH	Notes
0.0	12.72	12.0	NM	3.050	63	6.61	
1.5	12.28	12.0	NM	3.240	122	7.13	
2.5	12.46	11.8	NM	2.830	156	7.55	
3.5	12.56	11.8	NM	2.770	736	7.88	

Colorimetric Analysis

Analyte	Total or Dissolved	Sample Vol. (mL)	D.I. Vol. (mL)	Dilution Factor	Conc. in Dilute Sample (mg/L)	Conc. in Sample (mg/L)	Notes
Fe ²⁺						NM	
Fe total						NM	
Sulfide						NM	

Alkalinity Analysis

Sample Volume (mL)	Acid	Acid Conc. (N)	Digits Used	Alkalinity (mg/L as CaCO ₃)	Notes
	H ₂ SO ₄			NM	

Laboratory Analysis Information

# of Bottles	Analytes	Preservative	Bottle Type	Anal. Lab.	Filtered/Unfiltered	Sample Time
2	VOCs (EPA 8260B)	HCl	40 ml VOA	STL-Buffalo	Unfiltered	8/18/2005 19:50
2	SVOCs	none	1 L amber	STL-Buffalo	Unfiltered	8/18/2005 19:50
1	PCBs	none	1 L amber	STL-Buffalo	Unfiltered	8/18/2005 19:50



Well ID	MW-31B	Site:	EPT-Ithaca	Sample Date:	8/18/2005
Well Diameter	2 in				
Depth to Water	22.52 ft	Samplers	TAH, BLN		
Total Well Depth	26.80 ft	Weather Conditions and Notes:	Sunny, Calm, ~70 degrees F		
Height of Water Column	4.3 ft				
Well Volume	0.698 gal				

Instrument Calibration Information

D.O. Meter Calibration		ORP Meter Calibration		S.C. Meter Calibration		
DO slope =		ORP in stand.		Expected S.C.	Measured S.C.	Notes
DO in air =	mg/L	T of stand.				
Air temp =	°C	Standard used:				
pH Meter Calibration			Notes on calibration: Horiba U-10 water quality meter calibrated to manufacturer's specifications using auto-cal solution.			
pH of Stand. 1	pH of Stand. 2	Slope				

Well Purging Information

Purge Volume (gal)	D.O. (mg/L)	T (°C)	ORP (mV)	S.C. (mS/cm)	Turb. (NTU)	pH	Notes
0.0	12.68	12.1	NM	1.160	71	8.52	Purged dry @ ~0.5 gal

Colorimetric Analysis

Analyte	Total or Dissolved	Sample Vol. (mL)	D.I. Vol. (mL)	Dilution Factor	Conc. in Dilute Sample (mg/L)	Conc. in Sample (mg/L)	Notes
Fe ²⁺						NM	
Fe total						NM	
Sulfide						NM	

Alkalinity Analysis

Sample Volume (mL)	Acid	Acid Conc. (N)	Digits Used	Alkalinity (mg/L as CaCO ₃)	Notes
	H ₂ SO ₄			NM	

Laboratory Analysis Information

# of Bottles	Analytes	Preservative	Bottle Type	Anal. Lab.	Filtered/Unfiltered	Sample Time
2	VOCs (EPA 8260B)	HCl	40 ml VOA	STL-Buffalo	Unfiltered	4/7/2005 19:35



Well ID	MW-32B	Site:	EPT-Ithaca	Sample Date:	8/18/2005
Well Diameter	2 in				
Depth to Water	7.19 ft	Samplers	TAH, BLN		
Total Well Depth	10.03 ft	Weather Conditions and Notes:	Sunny, Calm, ~70 degrees F		
Height of Water Column	2.8 ft				
Well Volume	0.463 gal				

Instrument Calibration Information

D.O. Meter Calibration		ORP Meter Calibration		S.C. Meter Calibration		
DO slope =		ORP in stand.		Expected S.C.	Measured S.C.	Notes
DO in air =	mg/L	T of stand.				
Air temp =	°C	Standard used:				
pH Meter Calibration			Notes on calibration: Horiba U-10 water quality meter calibrated to manufacturer's specifications using auto-cal solution.			
pH of Stand. 1	pH of Stand. 2	Slope				

Well Purging Information

Purge Volume (gal)	D.O. (mg/L)	T (°C)	ORP (mV)	S.C. (mS/cm)	Turb. (NTU)	pH	Notes
0.0	9.23	19.6	NM	4.400	<20	8.37	
0.5	9.52	18.9	NM	4.330	625	8.38	
1.0	9.79	17.9	NM	3.160	600	8.44	
1.5	9.95	17.9	NM	3.650	65	8.59	

Colorimetric Analysis

Analyte	Total or Dissolved	Sample Vol. (mL)	D.I. Vol. (mL)	Dilution Factor	Conc. in Dilute Sample (mg/L)	Conc. in Sample (mg/L)	Notes
Fe ²⁺						NM	
Fe total						NM	
Sulfide						NM	

Alkalinity Analysis

Sample Volume (mL)	Acid	Acid Conc. (N)	Digits Used	Alkalinity (mg/L as CaCO ₃)	Notes
	H ₂ SO ₄			NM	

Laboratory Analysis Information

# of Bottles	Analytes	Preservative	Bottle Type	Anal. Lab.	Filtered/Unfiltered	Sample Time
2	VOCs (EPA 8260B)	HCl	40 ml VOA	STL-Buffalo	Unfiltered	8/18/2005 20:20
2	SVOCs	none	1 L amber	STL-Buffalo	Unfiltered	8/18/2005 20:20
1	PCBs	none	1 L amber	STL-Buffalo	Unfiltered	8/18/2005 20:20

Appendix C - Laboratory Data Sheets

ANALYTICAL REPORT

Job#: A05-9033

STL Project#: NY4A9171

Site Name: Environmental Strategies Corporation

Task: Ithaca Site - 127491

Mr. John Johnson
Environmental Strategies Corp.
11911 Freedom Dr. Suite 900
Reston, VA 20190

STL Buffalo

Candace L. Fox
Project Manager

09/08/2005

STL Buffalo Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A5903302	MW-27B	WATER	08/18/2005	18:00	08/22/2005	09:45
A5903303	MW-28B	WATER	08/18/2005	18:30	08/22/2005	09:45
A5903301	MW-29B	WATER	08/18/2005	17:30	08/22/2005	09:45
A5903305	MW-30B	WATER	08/18/2005	19:50	08/22/2005	09:45
A5903304	MW-31B	WATER	08/18/2005	19:35	08/22/2005	09:45
A5903306	MW-32B	WATER	08/18/2005	20:20	08/22/2005	09:45
A5903307	MW-32B (100)	WATER	08/18/2005	21:00	08/22/2005	09:45
A5903308	TB-081905	WATER	08/18/2005		08/22/2005	09:45

METHODS SUMMARY

Job#: A05-9033STL Project#: NY4A9171Site Name: Environmental Strategies Corporation

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260/5ML
ESC - 8270 - TCL SEMI-VOLATILE ORGANICS - W	SW8463 8270
ESC - METHOD 8082 - POLYCHLORINATED BIPHENYLS - W	SW8463 8082

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A05-9033STL Project#: NY4A9171Site Name: Environmental Strategies CorporationGeneral Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-9033

Sample Cooler(s) were received at the following temperature(s); 2@5.2 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

For method 8082, the recovery of surrogate Tetrachloro-m-xylene in sample MW-29B is outside of established quality control limits due to the sample matrix. The recovery of surrogate Decachlorobiphenyl is within quality control criteria; no corrective action is required.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
MW-32B	A5903306DL	8260/5ML	4.00	008
MW-32B(100)	A5903307DL	8260/5ML	4.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected at or above the reporting limit.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected at or above the reporting limit.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- K Indicates the post digestion spike recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- M Indicates duplicate injection results exceeded quality control limits.
- W Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Client ID Job No Sample Date	Lab ID	MW-27B A05-9033 08/18/2005	A5903302	MW-28B A05-9033 08/18/2005	A5903303	MW-29B A05-9033 08/18/2005	A5903301	MW-30B A05-9033 08/18/2005	A5903305
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Benzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Butanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	UG/L	1.5	1.0	5.5	1.0	2.4	1.0	1.6	1.0
Chloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cyclohexane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Hexanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl acetate	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Styrene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0

Client ID Job No Sample Date	Lab ID	MW-27B A05-9033 08/18/2005	A5903302	MW-28B A05-9033 08/18/2005	A5903303	MW-29B A05-9033 08/18/2005	A5903301	MW-30B A05-9033 08/18/2005	A5903305
Analyte	Units	Sample Value	Reporting Limit	Sample value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Total Xylenes	UG/L	ND	3.0	ND	3.0	ND	3.0	ND	3.0
IS/SURROGATE(S)									
Chlorobenzene-D5	%	86	50-200	80	50-200	83	50-200	81	50-200
1,4-Difluorobenzene	%	85	50-200	77	50-200	80	50-200	77	50-200
1,4-Dichlorobenzene-D4	%	85	50-200	75	50-200	79	50-200	75	50-200
Toluene-D8	%	86	76-122	86	76-122	82	76-122	81	76-122
p-Bromofluorobenzene	%	114	73-120	115	73-120	111	73-120	108	73-120
1,2-Dichloroethane-D4	%	92	72-143	90	72-143	87	72-143	84	72-143

Client ID Job No Sample Date	Lab ID	MW-31B A05-9033 08/18/2005	A5903304	MW-32B A05-9033 08/18/2005	A5903306	MW-32B A05-9033 08/18/2005	A5903306DL	MW-32B(100) A05-9033 08/18/2005	A5903307
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	ND	5.0	ND	20	ND	5.0
Benzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Bromodichloromethane	UG/L	5.2	1.0	ND	1.0	ND	4.0	ND	1.0
Bromoform	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Bromomethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
2-Butanone	UG/L	ND	5.0	ND	5.0	ND	20	ND	5.0
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Chlorobenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Chloroethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Chloroform	UG/L	24	1.0	2.7	1.0	ND	4.0	2.8	1.0
Chloromethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Cyclohexane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
cis-1,2-Dichloroethene	UG/L	1.3	1.0	170 E	1.0	160 D	4.0	170 E	1.0
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Ethylbenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
2-Hexanone	UG/L	ND	5.0	ND	5.0	ND	20	ND	5.0
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Methyl acetate	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Methylene chloride	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	ND	20	ND	5.0
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Styrene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Toluene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
1,1,2-Trichloroethane	UG/L	ND	1.0	3.0	1.0	ND	4.0	3.2	1.0
	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0

Client ID Job No Sample Date	Lab ID	MW-31B A05-9033 08/18/2005	A5903304	MW-32B A05-9033 08/18/2005	A5903306	MW-32B A05-9033 08/18/2005	A5903306DL	MW-32B(100) A05-9033 08/18/2005	A5903307
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Trichlorofluoromethane	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Trichloroethene	UG/L	5.5	1.0	210 E	1.0	200 D	4.0	220 E	1.0
Vinyl chloride	UG/L	ND	1.0	ND	1.0	ND	4.0	ND	1.0
Total Xylenes	UG/L	ND	3.0	ND	3.0	ND	12	ND	3.0
IS/SURROGATE(S)									
Chlorobenzene-D5	%	84	50-200	88	50-200	92	50-200	81	50-200
1,4-Difluorobenzene	%	83	50-200	88	50-200	94	50-200	79	50-200
1,4-Dichlorobenzene-D4	%	90	50-200	92	50-200	79	50-200	77	50-200
Toluene-D8	%	86	76-122	85	76-122	82	76-122	84	76-122
p-Bromofluorobenzene	%	120	73-120	114	73-120	108	73-120	112	73-120
1,2-Dichloroethane-D4	%	90	72-143	90	72-143	86	72-143	86	72-143

Client ID Job No Sample Date	Lab ID	MW-32B(100) A05-9033 08/18/2005	A5903307DL	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	20	NA		NA		NA	
Benzene	UG/L	ND	4.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	4.0	NA		NA		NA	
Bromoform	UG/L	ND	4.0	NA		NA		NA	
Bromomethane	UG/L	ND	4.0	NA		NA		NA	
2-Butanone	UG/L	ND	20	NA		NA		NA	
Carbon Disulfide	UG/L	ND	4.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	4.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	4.0	NA		NA		NA	
Chloroethane	UG/L	ND	4.0	NA		NA		NA	
Chloroform	UG/L	ND	4.0	NA		NA		NA	
Chloromethane	UG/L	ND	4.0	NA		NA		NA	
Cyclohexane	UG/L	ND	4.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	4.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	4.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	4.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	4.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	4.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	4.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	4.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	4.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	4.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	4.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	160 D	4.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	4.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	4.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	4.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	4.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	4.0	NA		NA		NA	
2-Hexanone	UG/L	ND	20	NA		NA		NA	
Isopropylbenzene	UG/L	ND	4.0	NA		NA		NA	
Methyl acetate	UG/L	ND	4.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	4.0	NA		NA		NA	
Methylene chloride	UG/L	ND	4.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	20	NA		NA		NA	
Methyl(-t-Butyl Ether (MTBE)	UG/L	ND	4.0	NA		NA		NA	
Styrene	UG/L	ND	4.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	4.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	4.0	NA		NA		NA	
Toluene	UG/L	ND	4.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	4.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	4.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	4.0	NA		NA		NA	

Client ID	Lab ID	MW-32B(100) A05-9033 08/18/2005	A5903307DL					
Job No								
Sample Date								
Analyte	Units	Sample Value	Reporting Limit	Sample value	Reporting Limit	Sample Value	Reporting Limit	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	4.0	NA		NA		NA
Trichlorofluoromethane	UG/L	ND	4.0	NA		NA		NA
Trichloroethene	UG/L	200 D	4.0	NA		NA		NA
Vinyl chloride	UG/L	ND	4.0	NA		NA		NA
Total Xylenes	UG/L	ND	12	NA		NA		NA
IS/SURROGATE(S)								
Chlorobenzene-D5	%	89	50-200	NA		NA		NA
1,4-Difluorobenzene	%	89	50-200	NA		NA		NA
1,4-Dichlorobenzene-D4	%	83	50-200	NA		NA		NA
Toluene-D8	%	83	76-122	NA		NA		NA
p-Bromofluorobenzene	%	109	73-120	NA		NA		NA
1,2-Dichloroethane-D4	%	91	72-143	NA		NA		NA

Client ID Job No Sample Date	Lab ID	MW-27B A05-9033 08/18/2005	A5903302	MW-28B A05-9033 08/18/2005	A5903303	MW-29B A05-9033 08/18/2005	A5903301	MW-30B A05-9033 08/18/2005	A5903305
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	11	ND	12	ND	11	ND	11
Acenaphthylene	UG/L	ND	11	ND	12	ND	11	ND	11
Acetophenone	UG/L	ND	11	ND	12	ND	11	ND	11
Anthracene	UG/L	ND	11	ND	12	ND	11	ND	11
Atrazine	UG/L	ND	11	ND	12	ND	11	ND	11
Benzaldehyde	UG/L	ND	56	ND	61	ND	56	ND	53
Benzo(a)anthracene	UG/L	ND	11	ND	12	ND	11	ND	11
Benzo(b)fluoranthene	UG/L	ND	11	ND	12	ND	11	ND	11
Benzo(k)fluoranthene	UG/L	ND	11	ND	12	ND	11	ND	11
Benzo(ghi)perylene	UG/L	ND	11	ND	12	ND	11	ND	11
Benzo(a)pyrene	UG/L	ND	11	ND	12	ND	11	ND	11
Benzoic acid	UG/L	ND	170	ND	180	ND	170	ND	160
Benzyl alcohol	UG/L	ND	22	ND	24	ND	22	ND	21
Biphenyl	UG/L	ND	11	ND	12	ND	11	ND	11
Bis(2-chloroethoxy) methane	UG/L	ND	11	ND	12	ND	11	ND	11
Bis(2-chloroethyl) ether	UG/L	ND	11	ND	12	ND	11	ND	11
2,2'-oxybis(1-chloropropane)	UG/L	ND	11	ND	12	ND	11	ND	11
Bis(2-ethylhexyl) phthalate	UG/L	ND	11	ND	12	ND	11	ND	11
4-Bromophenyl phenyl ether	UG/L	ND	11	ND	12	ND	11	ND	11
Butyl benzyl phthalate	UG/L	ND	11	ND	12	ND	11	ND	11
4-chloroaniline	UG/L	ND	11	ND	12	ND	11	ND	11
4-chloro-3-methylphenol	UG/L	ND	11	ND	12	ND	11	ND	11
2-chloronaphthalene	UG/L	ND	11	ND	12	ND	11	ND	11
2-chlorophenol	UG/L	ND	11	ND	12	ND	11	ND	11
4-chlorophenyl phenyl ether	UG/L	ND	11	ND	12	ND	11	ND	11
Caprolactam	UG/L	ND	11	ND	12	ND	11	ND	11
Chrysene	UG/L	ND	11	ND	12	ND	11	ND	11
Dibenzo(a,h)anthracene	UG/L	ND	11	ND	12	ND	11	ND	11
Dibenzofuran	UG/L	ND	11	ND	12	ND	11	ND	11
Di-n-butyl phthalate	UG/L	ND	11	ND	12	ND	11	ND	11
1,2-Dichlorobenzene	UG/L	ND	11	ND	12	ND	11	ND	11
1,3-Dichlorobenzene	UG/L	ND	11	ND	12	ND	11	ND	11
1,4-Dichlorobenzene	UG/L	ND	11	ND	12	ND	11	ND	11
3,3'-Dichlorobenzidine	UG/L	ND	22	ND	24	ND	22	ND	21
2,4-Dichlorophenol	UG/L	ND	11	ND	12	ND	11	ND	11
Diethyl phthalate	UG/L	ND	11	ND	12	ND	11	ND	11
2,4-Dimethylphenol	UG/L	ND	11	ND	12	ND	11	ND	11
Dimethyl phthalate	UG/L	ND	11	ND	12	ND	11	ND	11
4,6-Dinitro-2-methylphenol	UG/L	ND	56	ND	61	ND	56	ND	53
2,4-Dinitrophenol	UG/L	ND	56	ND	61	ND	56	ND	53
2,4-Dinitrotoluene	UG/L	ND	11	ND	12	ND	11	ND	11
2,6-Dinitrotoluene	UG/L	ND	11	ND	12	ND	11	ND	11
Di-n-octyl phthalate	UG/L	ND	11	ND	12	ND	11	ND	11

Client ID Job No Sample Date	Lab ID	MW-27B A05-9033 08/18/2005	A5903302	MW-28B A05-9033 08/18/2005	A5903303	MW-29B A05-9033 08/18/2005	A5903301	MW-30B A05-9033 08/18/2005	A5903305
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Fluoranthene	UG/L	ND	11	ND	12	ND	11	ND	11
Fluorene	UG/L	ND	11	ND	12	ND	11	ND	11
Hexachlorobenzene	UG/L	ND	11	ND	12	ND	11	ND	11
Hexachlorobutadiene	UG/L	ND	11	ND	12	ND	11	ND	11
Hexachlorocyclopentadiene	UG/L	ND	50	ND	55	ND	50	ND	48
Hexachloroethane	UG/L	ND	11	ND	12	ND	11	ND	11
Indeno(1,2,3-cd)pyrene	UG/L	ND	11	ND	12	ND	11	ND	11
Isophorone	UG/L	ND	11	ND	12	ND	11	ND	11
2-Methylnaphthalene	UG/L	ND	11	ND	12	ND	11	ND	11
2-Methylphenol	UG/L	ND	11	ND	12	ND	11	ND	11
4-Methylphenol	UG/L	ND	11	ND	12	ND	11	ND	11
Naphthalene	UG/L	ND	11	ND	12	ND	11	ND	11
2-Nitroaniline	UG/L	ND	56	ND	61	ND	56	ND	53
3-Nitroaniline	UG/L	ND	56	ND	61	ND	56	ND	53
4-Nitroaniline	UG/L	ND	56	ND	61	ND	56	ND	53
Nitrobenzene	UG/L	ND	11	ND	12	ND	11	ND	11
2-Nitrophenol	UG/L	ND	56	ND	61	ND	56	ND	53
4-Nitrophenol	UG/L	ND	11	ND	12	ND	11	ND	11
N-nitrosodiphenylamine	UG/L	ND	11	ND	12	ND	11	ND	11
N-Nitroso-Di-n-propylamine	UG/L	ND	11	ND	12	ND	11	ND	11
Pentachlorophenol	UG/L	ND	56	ND	61	ND	56	ND	53
Phenanthrene	UG/L	ND	11	ND	12	ND	11	ND	11
Phenol	UG/L	ND	11	ND	12	ND	11	ND	11
Pyrene	UG/L	ND	11	ND	12	ND	11	ND	11
1,2,4-Trichlorobenzene	UG/L	ND	11	ND	12	ND	11	ND	11
2,4,5-Trichlorophenol	UG/L	ND	11	ND	12	ND	11	ND	11
2,4,6-Trichlorophenol	UG/L	ND	11	ND	12	ND	11	ND	11
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	83	50-200	91	50-200	91	50-200	87	50-200
Naphthalene-D8	%	86	50-200	91	50-200	93	50-200	88	50-200
Acenaphthene-D10	%	89	50-200	92	50-200	95	50-200	90	50-200
Phenanthrene-D10	%	91	50-200	94	50-200	98	50-200	92	50-200
Chrysene-D12	%	93	50-200	97	50-200	100	50-200	97	50-200
Perylene-D12	%	102	50-200	107	50-200	108	50-200	106	50-200
Nitrobenzene-D5	%	83	52-120	79	52-120	78	52-120	84	52-120
2-Fluorobiphenyl	%	80	21-120	81	21-120	78	21-120	84	21-120
p-Terphenyl-d14	%	70	36-138	75	36-138	77	36-138	80	36-138
Phenol-D5	%	31	13-120	33	13-120	32	13-120	31	13-120
2-Fluorophenol	%	47	21-120	45	21-120	45	21-120	47	21-120
2,4,6-Tribromophenol	%	102	62-133	98	62-133	97	62-133	108	62-133

Client ID Job No Sample Date	Lab ID	MW-32B A05-9033 08/18/2005	A5903306	MW-32B(100) A05-9033 08/18/2005	A5903307	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	11	ND	12	NA	12	NA	12
Acenaphthylene	UG/L	ND	11	ND	12	NA	12	NA	12
Acetophenone	UG/L	ND	11	ND	12	NA	12	NA	12
Anthracene	UG/L	ND	11	ND	12	NA	12	NA	12
Atrazine	UG/L	ND	11	ND	59	NA	59	NA	59
Benzaldehyde	UG/L	ND	56	ND	12	NA	12	NA	12
Benzo(a)anthracene	UG/L	ND	11	ND	12	NA	12	NA	12
Benzo(b)fluoranthene	UG/L	ND	11	ND	12	NA	12	NA	12
Benzo(k)fluoranthene	UG/L	ND	11	ND	12	NA	12	NA	12
Benzo(ghi)perylene	UG/L	ND	11	ND	12	NA	12	NA	12
Benzo(a)pyrene	UG/L	ND	11	ND	180	NA	180	NA	180
Benzoic acid	UG/L	ND	170	ND	24	NA	24	NA	24
Benzyl alcohol	UG/L	ND	22	ND	12	NA	12	NA	12
Biphenyl	UG/L	ND	11	ND	12	NA	12	NA	12
Bis(2-chloroethoxy) methane	UG/L	ND	11	ND	12	NA	12	NA	12
Bis(2-chloroethyl) ether	UG/L	ND	11	ND	12	NA	12	NA	12
2,2'-oxybis(1-chloropropane)	UG/L	ND	11	ND	12	NA	12	NA	12
Bis(2-ethylhexyl) phthalate	UG/L	ND	11	ND	12	NA	12	NA	12
4-Bromophenyl phenyl ether	UG/L	ND	11	ND	12	NA	12	NA	12
Butyl benzyl phthalate	UG/L	ND	11	ND	12	NA	12	NA	12
4-chloroaniline	UG/L	ND	11	ND	12	NA	12	NA	12
4-chloro-3-methylphenol	UG/L	ND	11	ND	12	NA	12	NA	12
2-chloronaphthalene	UG/L	ND	11	ND	12	NA	12	NA	12
2-chlorophenol	UG/L	ND	11	ND	12	NA	12	NA	12
4-chlorophenyl phenyl ether	UG/L	ND	11	ND	12	NA	12	NA	12
Caprolactam	UG/L	ND	11	ND	12	NA	12	NA	12
Chrysene	UG/L	ND	11	ND	12	NA	12	NA	12
Dibenzo(a,h)anthracene	UG/L	ND	11	ND	12	NA	12	NA	12
Dibenzofuran	UG/L	ND	11	ND	12	NA	12	NA	12
Di-n-butyl phthalate	UG/L	ND	11	ND	12	NA	12	NA	12
1,2-Dichlorobenzene	UG/L	ND	11	ND	12	NA	12	NA	12
1,3-Dichlorobenzene	UG/L	ND	11	ND	12	NA	12	NA	12
1,4-Dichlorobenzene	UG/L	ND	11	ND	24	NA	24	NA	24
3,3'-Dichlorobenzidine	UG/L	ND	22	ND	12	NA	12	NA	12
2,4-Dichlorophenol	UG/L	ND	11	ND	12	NA	12	NA	12
Diethyl phthalate	UG/L	ND	11	ND	12	NA	12	NA	12
2,4-Dimethylphenol	UG/L	ND	11	ND	12	NA	12	NA	12
Dimethyl phthalate	UG/L	ND	11	ND	59	NA	59	NA	59
4,6-Dinitro-2-methylphenol	UG/L	ND	56	ND	12	NA	12	NA	12
2,4-Dinitrophenol	UG/L	ND	56	ND	12	NA	12	NA	12
2,6-Dinitrotoluene	UG/L	ND	11	ND	12	NA	12	NA	12
Di-n-octyl phthalate	UG/L	ND	11	ND	12	NA	12	NA	12

Client ID Job No Sample Date	Lab ID	MW-32B A05-9033 08/18/2005	A5903306	MW-32B(100) A05-9033 08/18/2005	A5903307	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Fluoranthene	UG/L	ND	11	ND	12	NA	12	NA	NA
Fluorene	UG/L	ND	11	ND	12	NA	12	NA	NA
Hexachlorobenzene	UG/L	ND	11	ND	12	NA	12	NA	NA
Hexachlorobutadiene	UG/L	ND	11	ND	12	NA	12	NA	NA
Hexachlorocyclopentadiene	UG/L	ND	50	ND	53	NA	53	NA	NA
Hexachloroethane	UG/L	ND	11	ND	12	NA	12	NA	NA
Indeno(1,2,3-cd)pyrene	UG/L	ND	11	ND	12	NA	12	NA	NA
Isophorone	UG/L	ND	11	ND	12	NA	12	NA	NA
2-Methylnaphthalene	UG/L	ND	11	ND	12	NA	12	NA	NA
2-Methylphenol	UG/L	ND	11	ND	12	NA	12	NA	NA
4-Methylphenol	UG/L	ND	11	ND	12	NA	12	NA	NA
Naphthalene	UG/L	ND	11	ND	12	NA	12	NA	NA
2-Nitroaniline	UG/L	ND	56	ND	59	NA	59	NA	NA
3-Nitroaniline	UG/L	ND	56	ND	59	NA	59	NA	NA
4-Nitroaniline	UG/L	ND	56	ND	59	NA	59	NA	NA
Nitrobenzene	UG/L	ND	11	ND	12	NA	12	NA	NA
2-Nitrophenol	UG/L	ND	11	ND	12	NA	12	NA	NA
4-Nitrophenol	UG/L	ND	56	ND	59	NA	59	NA	NA
N-nitrosodiphenylamine	UG/L	ND	11	ND	12	NA	12	NA	NA
N-Nitroso-Di-n-propylamine	UG/L	ND	11	ND	12	NA	12	NA	NA
Pentachlorophenol	UG/L	ND	56	ND	59	NA	59	NA	NA
Phenanthrene	UG/L	ND	11	ND	12	NA	12	NA	NA
Phenol	UG/L	ND	11	ND	12	NA	12	NA	NA
Pyrene	UG/L	ND	11	ND	12	NA	12	NA	NA
1,2,4-Trichlorobenzene	UG/L	ND	11	ND	12	NA	12	NA	NA
2,4,5-Trichlorophenol	UG/L	ND	11	ND	12	NA	12	NA	NA
2,4,6-Trichlorophenol	UG/L	ND	11	ND	12	NA	12	NA	NA
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	92	50-200	97	50-200	NA	50-200	NA	NA
Naphthalene-D8	%	90	50-200	97	50-200	NA	50-200	NA	NA
Acenaphthene-D10	%	93	50-200	98	50-200	NA	50-200	NA	NA
Phenanthrene-D10	%	95	50-200	103	50-200	NA	50-200	NA	NA
Chrysene-D12	%	99	50-200	104	50-200	NA	50-200	NA	NA
Perylene-D12	%	108	50-200	112	50-200	NA	50-200	NA	NA
Nitrobenzene-D5	%	81	52-120	81	52-120	NA	52-120	NA	NA
2-Fluorobiphenyl	%	79	21-120	80	21-120	NA	21-120	NA	NA
p-Terphenyl-d14	%	57	36-138	73	36-138	NA	36-138	NA	NA
Phenol-D5	%	27	13-120	36	13-120	NA	13-120	NA	NA
2-Fluorophenol	%	35	21-120	50	21-120	NA	21-120	NA	NA
2,4,6-Tribromophenol	%	88	62-133	99	62-133	NA	62-133	NA	NA

Client ID Job No Sample Date	Lab ID	MW-27B A05-9033 08/18/2005	A5903302	MW-28B A05-9033 08/18/2005	A5903303	MW-29B A05-9033 08/18/2005	A5903301	MW-30B A05-9033 08/18/2005	A5903305
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
Aroclor 1221	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
Aroclor 1232	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
Aroclor 1242	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
Aroclor 1248	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
Aroclor 1254	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
Aroclor 1260	UG/L	ND	0.61	ND	0.65	ND	0.57	ND	0.53
=====SURROGATE(S)=====									
Tetrachloro-m-xylene	%	76	36-132	82	36-132	148 *	36-132	84	36-132
Decachlorobiphenyl	%	34	28-132	38	28-132	48	28-132	54	28-132

Client ID Job No Sample Date	Lab ID	MW-32B A05-9033 08/18/2005	A5903306	MW-32B(100) A05-9033 08/18/2005	A5903307	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
Aroclor 1221	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
Aroclor 1232	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
Aroclor 1242	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
Aroclor 1248	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
Aroclor 1254	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
Aroclor 1260	UG/L	ND	0.52	ND	0.62	NA	0.62	NA	
=====SURROGATE(S)=====									
Tetrachloro-m-xylene	%	74	36-132	75	36-132	NA	36-132	NA	
Decachlorobiphenyl	%	44	28-132	50	28-132	NA	28-132	NA	

Chronology and QC Summary Package

Client ID Job No Sample Date	Lab ID	VBK88 A05-9033	A5B1298503	VBK89 A05-9033	A5B1298504	vbLk90 A05-9033	A5B1309802	vbLk91 A05-9033	A5B1309804
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Benzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Butanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cyclohexane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Hexanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl acetate	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methyl(-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Styrene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0

Client ID Job No Sample Date	Lab ID	VBLK88 A05-9033	A5B1298503	VBLK89 A05-9033	A5B1298504	vblk90 A05-9033	A5B1309802	vblk91 A05-9033	A5B1309804
Analyte	Units	Sample Value	Reporting Limit	Sample value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Total Xylenes	UG/L	ND	3.0	ND	3.0	ND	3.0	ND	3.0
IS/SURROGATE(S)									
Chlorobenzene-D5	%	94	50-200	90	50-200	93	50-200	89	50-200
1,4-Difluorobenzene	%	95	50-200	88	50-200	93	50-200	90	50-200
1,4-Dichlorobenzene-D4	%	93	50-200	84	50-200	89	50-200	76	50-200
Toluene-D8	%	93	76-122	80	76-122	89	76-122	78	76-122
p-Bromofluorobenzene	%	120	73-120	106	73-120	118	73-120	106	73-120
1,2-Dichloroethane-D4	%	93	72-143	81	72-143	94	72-143	84	72-143

Client ID Job No Sample Date	Lab ID	MSB88 A05-9033	A5B1298501	MSB89 A05-9033	A5B1298502	msb90 A05-9033	A5B1309801	msb91 A05-9033	A5B1309803
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Benzene	UG/L	23	1.0	25	1.0	22	1.0	24	1.0
Bromodichloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Butanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	UG/L	22	1.0	24	1.0	21	1.0	23	1.0
Chloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cyclohexane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	UG/L	24	1.0	26	1.0	22	1.0	25	1.0
cis-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Hexanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl acetate	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Styrene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	UG/L	22	1.0	23	1.0	21	1.0	22	1.0
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0

Client ID Job No Sample Date	Lab ID	MSB88 A05-9033	A5B1298501	MSB89 A05-9033	A5B1298502	msb90 A05-9033	A5B1309801	msb91 A05-9033	A5B1309803
Analyte	Units	Sample Value	Reporting Limit	Sample value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	UG/L	24	1.0	26	1.0	22	1.0	25	1.0
Vinyl chloride	UG/L	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Total Xylenes	UG/L	ND	3.0	ND	3.0	ND	3.0	ND	3.0
IS/SURROGATE(S)									
Chlorobenzene-D5	%	105	50-200	90	50-200	101	50-200	96	50-200
1,4-Difluorobenzene	%	106	50-200	89	50-200	104	50-200	99	50-200
1,4-Dichlorobenzene-D4	%	106	50-200	86	50-200	97	50-200	84	50-200
Toluene-D8	%	89	76-122	82	76-122	88	76-122	85	76-122
p-Bromofluorobenzene	%	116	73-120	108	73-120	117	73-120	118	73-120
1,2-Dichloroethane-D4	%	85	72-143	79	72-143	87	72-143	86	72-143

Client ID Job No Sample Date	Lab ID	TB-081905 A05-9033 08/18/2005	A5903308	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA	
Benzene	UG/L	ND	1.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA	
Methyl(-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	1.0	NA		NA		NA	
Toluene	UG/L	ND	1.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	

Client ID Job No Sample Date	Lab ID	TB-081905 A05-9033 08/18/2005	A5903308						
Analyte	Units	Sample Value	Reporting Limit	Sample value	Reporting Limit	Sample value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	84	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	84	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	84	50-200	NA		NA		NA	
Toluene-D8	%	88	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	115	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	93	72-143	NA		NA		NA	

Client ID Job No Sample Date	Lab ID	S Blank A05-9033	A5B1283502	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	10	NA		NA		NA	
Acenaphthylene	UG/L	ND	10	NA		NA		NA	
Acetophenone	UG/L	ND	10	NA		NA		NA	
Anthracene	UG/L	ND	10	NA		NA		NA	
Atrazine	UG/L	ND	10	NA		NA		NA	
Benzaldehyde	UG/L	ND	50	NA		NA		NA	
Benzo(a)anthracene	UG/L	ND	10	NA		NA		NA	
Benzo(b)fluoranthene	UG/L	ND	10	NA		NA		NA	
Benzo(k)fluoranthene	UG/L	ND	10	NA		NA		NA	
Benzo(ghi)perylene	UG/L	ND	10	NA		NA		NA	
Benzo(a)pyrene	UG/L	ND	10	NA		NA		NA	
Benzoic acid	UG/L	ND	150	NA		NA		NA	
Benzyl alcohol	UG/L	ND	20	NA		NA		NA	
Biphenyl	UG/L	ND	10	NA		NA		NA	
Bis(2-chloroethoxy) methane	UG/L	ND	10	NA		NA		NA	
Bis(2-chloroethyl) ether	UG/L	ND	10	NA		NA		NA	
2,2'-oxybis(1-chloropropane)	UG/L	ND	10	NA		NA		NA	
Bis(2-ethylhexyl) phthalate	UG/L	ND	10	NA		NA		NA	
4-Bromophenyl phenyl ether	UG/L	ND	10	NA		NA		NA	
Butyl benzyl phthalate	UG/L	ND	10	NA		NA		NA	
4-chloroaniline	UG/L	ND	10	NA		NA		NA	
4-chloro-3-methylphenol	UG/L	ND	10	NA		NA		NA	
2-chloronaphthalene	UG/L	ND	10	NA		NA		NA	
2-chlorophenol	UG/L	ND	10	NA		NA		NA	
4-chlorophenyl phenyl ether	UG/L	ND	10	NA		NA		NA	
Caprolactam	UG/L	ND	10	NA		NA		NA	
Chrysene	UG/L	ND	10	NA		NA		NA	
Dibenzo(a,h)anthracene	UG/L	ND	10	NA		NA		NA	
Dibenzofuran	UG/L	ND	10	NA		NA		NA	
Di-n-butyl phthalate	UG/L	ND	10	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	10	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	10	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	10	NA		NA		NA	
3,3'-Dichlorobenzidine	UG/L	ND	20	NA		NA		NA	
2,4-Dichlorophenol	UG/L	ND	10	NA		NA		NA	
Diethyl phthalate	UG/L	ND	10	NA		NA		NA	
2,4-Dimethylphenol	UG/L	ND	10	NA		NA		NA	
Dimethyl phthalate	UG/L	ND	10	NA		NA		NA	
4,6-Dinitro-2-methylphenol	UG/L	ND	50	NA		NA		NA	
2,4-Dinitrophenol	UG/L	ND	50	NA		NA		NA	
2,4-Dinitrotoluene	UG/L	ND	10	NA		NA		NA	
2,6-Dinitrotoluene	UG/L	ND	10	NA		NA		NA	
Di-n-octyl phthalate	UG/L	ND	10	NA		NA		NA	

Client ID Job No Sample Date	Lab ID	S Blank A05-9033	A5B1283502	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Fluoranthene	UG/L	ND	10	NA		NA		NA	
Fluorene	UG/L	ND	10	NA		NA		NA	
Hexachlorobenzene	UG/L	ND	10	NA		NA		NA	
Hexachlorobutadiene	UG/L	ND	10	NA		NA		NA	
Hexachlorocyclopentadiene	UG/L	ND	45	NA		NA		NA	
Hexachloroethane	UG/L	ND	10	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	ND	10	NA		NA		NA	
Isophorone	UG/L	ND	10	NA		NA		NA	
2-Methylnaphthalene	UG/L	ND	10	NA		NA		NA	
2-Methylphenol	UG/L	ND	10	NA		NA		NA	
4-Methylphenol	UG/L	ND	10	NA		NA		NA	
Naphthalene	UG/L	ND	10	NA		NA		NA	
2-Nitroaniline	UG/L	ND	50	NA		NA		NA	
3-Nitroaniline	UG/L	ND	50	NA		NA		NA	
4-Nitroaniline	UG/L	ND	50	NA		NA		NA	
Nitrobenzene	UG/L	ND	10	NA		NA		NA	
2-Nitrophenol	UG/L	ND	10	NA		NA		NA	
4-Nitrophenol	UG/L	ND	50	NA		NA		NA	
N-nitrosodiphenylamine	UG/L	ND	10	NA		NA		NA	
N-Nitroso-Di-n-propylamine	UG/L	ND	10	NA		NA		NA	
Pentachlorophenol	UG/L	ND	50	NA		NA		NA	
Phenanthrene	UG/L	ND	10	NA		NA		NA	
Phenol	UG/L	ND	10	NA		NA		NA	
Pyrene	UG/L	ND	10	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	10	NA		NA		NA	
2,4,5-Trichlorophenol	UG/L	ND	10	NA		NA		NA	
2,4,6-Trichlorophenol	UG/L	ND	10	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	86	50-200	NA		NA		NA	
Naphthalene-D8	%	87	50-200	NA		NA		NA	
Acenaphthene-D10	%	88	50-200	NA		NA		NA	
Phenanthrene-D10	%	90	50-200	NA		NA		NA	
Chrysene-D12	%	90	50-200	NA		NA		NA	
Perylene-D12	%	98	50-200	NA		NA		NA	
Nitrobenzene-D5	%	82	52-120	NA		NA		NA	
2-Fluorobiphenyl	%	80	21-120	NA		NA		NA	
p-Terphenyl-d14	%	97	36-138	NA		NA		NA	
Phenol-D5	%	28	13-120	NA		NA		NA	
2-Fluorophenol	%	43	21-120	NA		NA		NA	
2,4,6-Tribromophenol	%	98	62-133	NA		NA		NA	

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A05-9033 A5B1283501		Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
		Sample Value	Reporting Limit						
Acenaphthene	UG/L	89	10		NA		NA		NA
Acenaphthylene	UG/L	ND	10		NA		NA		NA
Acetophenone	UG/L	ND	10		NA		NA		NA
Anthracene	UG/L	ND	10		NA		NA		NA
Atrazine	UG/L	ND	10		NA		NA		NA
Benzaldehyde	UG/L	ND	50		NA		NA		NA
Benzo(a)anthracene	UG/L	ND	10		NA		NA		NA
Benzo(b)fluoranthene	UG/L	ND	10		NA		NA		NA
Benzo(k)fluoranthene	UG/L	ND	10		NA		NA		NA
Benzo(ghi)perylene	UG/L	ND	10		NA		NA		NA
Benzo(a)pyrene	UG/L	ND	10		NA		NA		NA
Benzoic acid	UG/L	ND	150		NA		NA		NA
Benzyl alcohol	UG/L	ND	20		NA		NA		NA
Biphenyl	UG/L	ND	10		NA		NA		NA
Bis(2-chloroethoxy) methane	UG/L	ND	10		NA		NA		NA
Bis(2-chloroethyl) ether	UG/L	ND	10		NA		NA		NA
2,2'-oxybis(1-chloropropane)	UG/L	ND	10		NA		NA		NA
Bis(2-ethylhexyl) phthalate	UG/L	ND	10		NA		NA		NA
4-Bromophenyl phenyl ether	UG/L	ND	10		NA		NA		NA
Butyl benzyl phthalate	UG/L	ND	10		NA		NA		NA
4-chloroaniline	UG/L	ND	10		NA		NA		NA
4-chloro-3-methylphenol	UG/L	90	10		NA		NA		NA
2-chloronaphthalene	UG/L	ND	10		NA		NA		NA
2-chlorophenol	UG/L	82	10		NA		NA		NA
4-chlorophenyl phenyl ether	UG/L	ND	10		NA		NA		NA
Caprolactam	UG/L	ND	10		NA		NA		NA
Chrysene	UG/L	ND	10		NA		NA		NA
Dibenzo(a,h)anthracene	UG/L	ND	10		NA		NA		NA
Dibenzofuran	UG/L	ND	10		NA		NA		NA
Di-n-butyl phthalate	UG/L	ND	10		NA		NA		NA
1,2-Dichlorobenzene	UG/L	ND	10		NA		NA		NA
1,3-Dichlorobenzene	UG/L	ND	10		NA		NA		NA
1,4-Dichlorobenzene	UG/L	75	10		NA		NA		NA
3,3'-Dichlorobenzidine	UG/L	ND	20		NA		NA		NA
2,4-Dichlorophenol	UG/L	ND	10		NA		NA		NA
Diethyl phthalate	UG/L	ND	10		NA		NA		NA
2,4-Dimethylphenol	UG/L	ND	10		NA		NA		NA
Dimethyl phthalate	UG/L	ND	10		NA		NA		NA
4,6-Dinitro-2-methylphenol	UG/L	ND	50		NA		NA		NA
2,4-Dinitrophenol	UG/L	ND	50		NA		NA		NA
2,4-Dinitrotoluene	UG/L	90	10		NA		NA		NA
2,6-Dinitrotoluene	UG/L	ND	10		NA		NA		NA
Di-n-octyl phthalate	UG/L	ND	10		NA		NA		NA

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A05-9033	A5B1283501				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Fluoranthene	UG/L	ND	10	NA		NA	
Fluorene	UG/L	ND	10	NA		NA	
Hexachlorobenzene	UG/L	ND	10	NA		NA	
Hexachlorobutadiene	UG/L	ND	10	NA		NA	
Hexachlorocyclopentadiene	UG/L	ND	45	NA		NA	
Hexachloroethane	UG/L	ND	10	NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	ND	10	NA		NA	
Isophorone	UG/L	ND	10	NA		NA	
2-Methylnaphthalene	UG/L	ND	10	NA		NA	
2-Methylphenol	UG/L	ND	10	NA		NA	
4-Methylphenol	UG/L	ND	10	NA		NA	
Naphthalene	UG/L	ND	10	NA		NA	
2-Nitroaniline	UG/L	ND	50	NA		NA	
3-Nitroaniline	UG/L	ND	50	NA		NA	
4-Nitroaniline	UG/L	ND	50	NA		NA	
Nitrobenzene	UG/L	ND	10	NA		NA	
2-Nitrophenol	UG/L	ND	10	NA		NA	
4-Nitrophenol	UG/L	ND	50	NA		NA	
N-nitrosodiphenylamine	UG/L	ND	10	NA		NA	
N-Nitroso-Di-n-propylamine	UG/L	90	10	NA		NA	
Pentachlorophenol	UG/L	91	50	NA		NA	
Phenanthrene	UG/L	ND	10	NA		NA	
Phenol	UG/L	30	10	NA		NA	
Pyrene	UG/L	95	10	NA		NA	
1,2,4-Trichlorobenzene	UG/L	77	10	NA		NA	
2,4,5-Trichlorophenol	UG/L	ND	10	NA		NA	
2,4,6-Trichlorophenol	UG/L	ND	10	NA		NA	
IS/SURROGATE(S)							
1,4-Dichlorobenzene-D4	%	86	50-200	NA		NA	
Naphthalene-D8	%	87	50-200	NA		NA	
Acenaphthene-D10	%	88	50-200	NA		NA	
Phenanthrene-D10	%	90	50-200	NA		NA	
Chrysene-D12	%	89	50-200	NA		NA	
Perylene-D12	%	95	50-200	NA		NA	
Nitrobenzene-D5	%	84	52-120	NA		NA	
2-Fluorobiphenyl	%	82	21-120	NA		NA	
p-Terphenyl-d14	%	99	36-138	NA		NA	
Phenol-D5	%	31	13-120	NA		NA	
2-Fluorophenol	%	46	21-120	NA		NA	
2,4,6-Tribromophenol	%	102	62-133	NA		NA	

Client ID Job No Sample Date	Lab ID	Method Blank A05-9033		A5B1283303							
		Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016			UG/L	ND	0.50	NA		NA		NA	
Aroclor 1221			UG/L	ND	0.50	NA		NA		NA	
Aroclor 1232			UG/L	ND	0.50	NA		NA		NA	
Aroclor 1242			UG/L	ND	0.50	NA		NA		NA	
Aroclor 1248			UG/L	ND	0.50	NA		NA		NA	
Aroclor 1254			UG/L	ND	0.50	NA		NA		NA	
Aroclor 1260			UG/L	ND	0.50	NA		NA		NA	
=====SURROGATE(S)=====											
Tetrachloro-m-xylene			%	82	36-132	NA		NA		NA	
Decachlorobiphenyl			%	82	28-132	NA		NA		NA	

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A5B1283301		Matrix Spike Blk Dup A05-9033 A5B1283302			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/L	4.4	0.50	4.2	0.50	NA	NA
Aroclor 1221	UG/L	ND	0.50	ND	0.50	NA	NA
Aroclor 1232	UG/L	ND	0.50	ND	0.50	NA	NA
Aroclor 1242	UG/L	ND	0.50	ND	0.50	NA	NA
Aroclor 1248	UG/L	ND	0.50	ND	0.50	NA	NA
Aroclor 1254	UG/L	ND	0.50	ND	0.50	NA	NA
Aroclor 1260	UG/L	4.3	0.50	4.7	0.50	NA	NA
SURROGATE(S)							
Tetrachloro-m-xylene	%	82	36-132	78	36-132	NA	NA
Decachlorobiphenyl	%	73	28-132	76	28-132	NA	NA

Client Sample ID: VBLK88 MSB88
Lab Sample ID: A5B1298503 A5B1298501

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	24.1	25.0	96	65-142
Trichloroethene	UG/L	24.0	25.0	96	71-120
Benzene	UG/L	23.4	25.0	94	67-126
Toluene	UG/L	22.0	25.0	88	69-120
Chlorobenzene	UG/L	22.1	25.0	89	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK89 MSB89
Lab Sample ID: A5B1298504 A5B1298502

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	25.5	25.0	102	65-142
Trichloroethene	UG/L	25.7	25.0	103	71-120
Benzene	UG/L	24.9	25.0	100	67-126
Toluene	UG/L	23.3	25.0	93	69-120
Chlorobenzene	UG/L	23.7	25.0	95	73-120

* Indicates Result is outside Qc Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk90 msb90
Lab Sample ID: A5B1309802 A5B1309801

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	22.2	25.0	89	65-142
Trichloroethene	UG/L	21.9	25.0	88	71-120
Benzene	UG/L	21.6	25.0	86	67-126
Toluene	UG/L	20.6	25.0	82	69-120
Chlorobenzene	UG/L	21.0	25.0	84	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk91 msb91
Lab Sample ID: A5B1309804 A5B1309803

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	25.4	25.0	102	65-142
Trichloroethene	UG/L	24.8	25.0	99	71-120
Benzene	UG/L	24.0	25.0	96	67-126
Toluene	UG/L	22.4	25.0	90	69-120
Chlorobenzene	UG/L	23.3	25.0	93	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: S Blank Matrix Spike Blank
Lab Sample ID: A5B1283502 A5B1283501

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
ESC - 8270 - TCL SEMI-VOLATILE ORGANICS					
Phenol	UG/L	30.1	100	30	16-120
2-Chlorophenol	UG/L	81.5	100	82	42-120
1,4-Dichlorobenzene	UG/L	74.8	100	75	28-120
N-Nitroso-Di-n-propylamine	UG/L	89.8	100	90	53-120
1,2,4-Trichlorobenzene	UG/L	76.9	100	77	36-120
4-Chloro-3-methylphenol	UG/L	90.5	100	90	54-131
Acenaphthene	UG/L	88.9	100	89	55-120
4-Nitrophenol	UG/L	32.9	100	33	11-120
2,4-Dinitrotoluene	UG/L	90.4	100	90	53-125
Pentachlorophenol	UG/L	91.1	100	91	33-143
Pyrene	UG/L	95.3	100	95	50-151

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank Matrix Spike Blank Matrix Spike Blk Dup
Lab Sample ID: A5B1283303 A5B1283301 A5B1283302

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery		% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SBD	SB	SBD	SB	SBD		RPD	REC.
ESC - METHOD 8082 - POLYCHLORINATED BIPH											
Aroclor 1260	UG/L	4.30	4.67	5.00	5.00	93	86	90	8	30.0	50-122
Aroclor 1016	UG/L	4.35	4.22	5.00	5.00	84	87	86	4	30.0	29-123

* Indicates Result is outside Qc Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-27B A05--9033 A5903302	MW-28B A05--9033 A5903303	MW-29B A05--9033 A5903301	MW-30B A05--9033 A5903305	MW-31B A05--9033 A5903304
Sample Date	08/18/2005 18:00	08/18/2005 18:30	08/18/2005 17:30	08/18/2005 19:50	08/18/2005 19:35
Received Date	08/22/2005 09:45	08/22/2005 09:45	08/22/2005 09:45	08/22/2005 09:45	08/22/2005 09:45
Extraction Date	08/25/2005 05:07	08/25/2005 05:28	08/25/2005 04:47	08/25/2005 06:09	08/25/2005 05:49
Analysis Date	-	-	-	-	-
Extraction HT Met?	YES	YES	YES	YES	YES
Analytical HT Met?	WATER	WATER	WATER	WATER	WATER
Sample Matrix	1.0	1.0	1.0	1.0	1.0
Dilution Factor	0.005	0.005	0.005	0.005	0.005
Sample wt/vol % Dry	LITERS	LITERS	LITERS	LITERS	LITERS

METHOD 8260 - TCL VOLATILE ORGANICS

Job No & Lab Sample ID	MW-32B A05--9033	A5903306	MW-32B A05--9033	A5903306DL	MW-32B(100) A05--9033	A5903307	MW-32B(100) A05--9033	A5903307DL
Sample Date	08/18/2005	20:20	08/18/2005	20:20	08/18/2005	21:00	08/18/2005	21:00
Received Date	08/22/2005	09:45	08/22/2005	09:45	08/22/2005	09:45	08/22/2005	09:45
Extraction Date	08/25/2005	06:30	08/25/2005	22:26	08/25/2005	06:51	08/25/2005	22:46
Analytical HT Met?	-		-		-		-	
Extraction HT Met?	YES		YES		YES		YES	
Sample Matrix	WATER		WATER		WATER		WATER	
Dilution Factor	1.0		4.0		1.0		4.0	
Sample wt/vol	0.005	LITERS	0.005	LITERS	0.005	LITERS	0.005	LITERS
% Dry								

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TB-081905 A05-9033 A5903308				
Sample Date	08/18/2005				
Received Date	08/22/2005 09:45				
Extraction Date	08/25/2005 00:59				
Analysis Date	-				
Extraction HT Met?	YES				
Analytical HT Met?	WATER				
Sample Matrix	1.0				
Dilution Factor	0.005 LITERS				
Sample wt/vol % Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MSB88 A05--9033 A5B1298501	MSB89 A05--9033 A5B1298502	msb90 A05--9033 A5B1309801	msb91 A05--9033 A5B1309803	
Sample Date	08/24/2005 22:37 - - WATER 1.0 0.005 LITERS	08/24/2005 22:57 - - WATER 1.0 0.005 LITERS	08/25/2005 19:39 - - WATER 1.0 0.005 LITERS	08/25/2005 19:59 - - WATER 1.0 0.005 LITERS	
Received Date					
Extraction Date					
Analysis Date					
Extraction HT Met?					
Analytical HT Met?					
Sample Matrix					
Dilution Factor					
Sample wt/vol					
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK88 A05--9033 A5B1298503	VBLK89 A05--9033 A5B1298504	vblk90 A05--9033 A5B1309802	vblk91 A05--9033 A5B1309804	
Sample Date	08/24/2005 23:26 - - - WATER 1.0 0.005 LITERS	08/24/2005 23:47 - - - WATER 1.0 0.005 LITERS	08/25/2005 20:32 - - - WATER 1.0 0.005 LITERS	08/25/2005 20:52 - - - WATER 1.0 0.005 LITERS	
Received Date					
Extraction Date					
Analysis Date					
Extraction HT Met?					
Analytical HT Met?					
Sample Matrix					
Dilution Factor					
Sample wt/vol					
% Dry					

ESC - 8270 - TCL SEMI-VOLATILE ORGANICS - W

Job No & Lab Sample ID	MW-27B A05-9033	A5903302	MW-28B A05-9033	A5903303	MW-29B A05-9033	A5903301	MW-30B A05-9033	A5903305	MW-32B A05-9033	A5903306
Sample Date	08/18/2005	18:00	08/18/2005	18:30	08/18/2005	17:30	08/18/2005	19:50	08/18/2005	20:20
Received Date	08/22/2005	09:45	08/22/2005	09:45	08/22/2005	09:45	08/22/2005	09:45	08/22/2005	09:45
Extraction Date	08/24/2005	07:00	08/24/2005	07:00	08/24/2005	07:00	08/24/2005	07:00	08/24/2005	07:00
Analysis Date	08/31/2005	19:11	08/31/2005	19:37	08/31/2005	18:45	08/31/2005	20:04	08/31/2005	20:30
Extraction HT Met?	YES		YES		YES		YES		YES	
Analytical HT Met?	YES		YES		YES		YES		YES	
Sample Matrix	WATER		WATER		WATER		WATER		WATER	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Sample wt/vol % Dry	0.89	LITERS	0.82	LITERS	0.9	LITERS	0.94	LITERS	0.89	LITERS

ESC - 8270 - TCL SEMI-VOLATILE ORGANICS - W

Client Sample ID		Job No & Lab Sample ID		MW-32B(100)		A05-9033		A5903307					
Sample Date	08/18/2005	21:00											
Received Date	08/22/2005	09:45											
Extraction Date	08/24/2005	07:00											
Analysis Date	08/31/2005	20:56											
Extraction HT Met?	YES												
Analytical HT Met?	YES												
Sample Matrix	WATER												
Dilution Factor	1.0												
Sample wt/vol	0.85	LITERS											
% Dry													

ESC - 8270 - TCL SEMI-VOLATILE ORGANICS - W

Client Sample ID		Matrix Spike Blank			
Job No & Lab Sample ID		A05-9033 A5B1283501			
Sample Date					
Received Date		08/24/2005 07:00			
Extraction Date		08/31/2005 16:34			
Analysis Date		-			
Extraction HT Met?		-			
Analytical HT Met?		-			
Sample Matrix		WATER			
Dilution Factor		1.0			
Sample wt/vol		1.0 LITERS			
% Dry					

ESC - 8270 - TCL SEMI-VOLATILE ORGANICS - W

Client Sample ID		S Blank			
Job No & Lab Sample ID		A05-9033	A5B1283502		
Sample Date					
Received Date					
Extraction Date					
Analysis Date					
Extraction HT Met?					
Analytical HT Met?					
Sample Matrix					
Dilution Factor					
Sample wt/vol					
% Dry					

ESC - METHOD 8082 - POLYCHLORINATED BIPHENYLS - W

Job No & Lab Sample ID	MW-27B A05--9033 A5903302	MW-28B A05--9033 A5903303	MW-29B A05--9033 A5903301	MW-30B A05--9033 A5903305	MW-32B A05--9033 A5903306
Sample Date	08/18/2005 18:00	08/18/2005 18:30	08/18/2005 17:30	08/18/2005 19:50	08/18/2005 20:20
Received Date	08/22/2005 09:45	08/22/2005 09:45	08/22/2005 09:45	08/22/2005 09:45	08/22/2005 09:45
Extraction Date	08/24/2005 07:00	08/24/2005 07:00	08/24/2005 07:00	08/24/2005 07:00	08/24/2005 07:00
Analysis Date	08/25/2005 16:00	08/25/2005 16:18	08/25/2005 15:42	08/25/2005 16:36	08/25/2005 16:54
Extraction HT Met?	YES	YES	YES	YES	YES
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample wt/vol % Dry	0.82 LITERS	0.77 LITERS	0.88 LITERS	0.94 LITERS	0.97 LITERS

ESC - METHOD 8082 - POLYCHLORINATED BIPHENYLS - W

Client Sample ID		Job No & Lab Sample ID		MW-32B(100) A05-9033 A5903307				
Sample Date	08/18/2005	21:00						
Received Date	08/22/2005	09:45						
Extraction Date	08/24/2005	07:00						
Analysis Date	08/25/2005	17:12						
Extraction HT Met?	YES							
Analytical HT Met?	YES							
Sample Matrix	WATER							
Dilution Factor	1.0							
Sample wt/vol	0.81	LITERS						
% Dry								

ESC - METHOD 8082 - POLYCHLORINATED BIPHENYLS - W

Client Sample ID		Matrix Spike Blank	Matrix Spike Blk Dup		
Job No & Lab Sample ID		A05-9033 A5B1283301	A05-9033 A5B1283302		
Sample Date					
Received Date		08/24/2005 07:00	08/24/2005 07:00		
Extraction Date		08/25/2005 14:48	08/25/2005 15:06		
Analysis Date		-	-		
Extraction HT Met?		-	-		
Analytical HT Met?		-	-		
Sample Matrix		WATER	WATER		
Dilution Factor		1.0	1.0		
Sample wt/vol		1.0 LITERS	1.0 LITERS		
% Dry					

ESC - METHOD 8082 - POLYCHLORINATED BIPHENYLS - W

Client Sample ID		Method Blank			
Job No & Lab Sample ID		A05-9033 A5B1283303			
Sample Date					
Received Date					
Extraction Date					
Analysis Date					
Extraction HT Met?					
Analytical HT Met?					
Sample Matrix					
Dilution Factor					
Sample wt/vol					
% Dry					

Page 1 of 1[illegible]