

**2010 ANNUAL GROUNDWATER
MONITORING REPORT
HONEYWELL INDUSTRIAL COMPLEX
SOUTH BEND, INDIANA
VRP# 6980601**

Prepared for:

Honeywell

1985 Douglas Drive North
MS 2499
Golden Valley, MN 55422

Prepared by

**MACTEC ENGINEERING AND CONSULTING, INC.
41 HUGHES DRIVE
TRAVERSE CITY, MI 49696**

MACTEC PROJECT NUMBER: 3310102011

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1.0 INTRODUCTION

Honeywell International Inc. (Honeywell) has retained Mactec Engineering and Consulting, Inc. (Mactec) to assist with the semi-annual groundwater monitoring program at the Honeywell Industrial Complex, 717 North Bendix Drive, South Bend, Indiana (Figure 1-1). This report presents the results of two semi-annual groundwater sampling events conducted by Mactec in 2010. 2010 marks the first year of semi-annual groundwater sampling under a new discharge permit with the City of South Bend. In previous years, sampling from groundwater extraction wells was performed on a quarterly basis.

1.1 BACKGROUND

Environmental assessment activities at the Honeywell Industrial Complex date back to the 1970s. Investigations have indicated that two groundwater contaminant plumes exist beneath the facility. The two plumes are a naphtha plume in the central area of the complex near Plant 6/16, and a dissolved volatile organic compound (VOC) plume in the eastern portion of the complex in the area of Plant 1.

In 1978, a free-phase plume of naphtha and stoddard solvent was discovered on the water table beneath the Plant 6/16 area (in the central portion of the complex). A naphtha recovery well system consisting of a water-table depression well, a free product recovery well and an aboveground storage tank was first installed at the complex in 1978 to remove free-phase naphtha from the top of the water table (see recovery well E3 on Figure 1-2). Four additional naphtha recovery well systems were installed in 1982, for a total of five systems. Two of the naphtha recovery well systems (RWB6 and RWB21) were subsequently deactivated because free product was no longer present, and the systems were not needed to control groundwater flow. The remaining three operating systems (E3, RWB16 and RWB22) were used to maintain an inward hydraulic gradient controlling groundwater flow from the western and central portions of the complex. In January 1999, an additional naphtha recovery well system (RWB23) was installed and operated to enhance containment of groundwater on-site and to recover a localized area of free product. Well E3 was retrofitted with a pneumatic product-skimming pump in October 2000 to collect free product, which is accumulating in a recovery crock at this location. RWB22 was taken off-line in 2003, due to diminished capacity caused by screen fouling. In November 2008, the pump from E3 was removed and transferred to a newly installed extraction well (E3A), approximately six feet away, due to low yield of groundwater.

In 1988, a VOC recovery well system was installed on the north side of Plant 1 and Plant 9 just south of Bendix Drive and Bertrand Street. The VOC recovery well system, consisting of 20 shallow and one deep VOC recovery well, was installed to inhibit off-site migration of impacted groundwater from the Plant 1/9 area.

Beginning in December 1993, certain shallow VOC recovery wells were taken off-line due to low yield of groundwater. The deep VOC recovery well was taken off-line due to the presence of gravel pack material in the well. In 1997, Honeywell modified the recovery well configuration to more effectively capture groundwater migrating from the Plant 1/9 area. Three new recovery wells (EW-1, EW-2 and EW-3) were installed, and the existing system was abandoned (see Figure 1-2). In April 2001, an additional recovery well system (EW-4) was added to the VOC recovery well system. EW-4 is a dual-well system installed in the former metal-stamping area to control and recover free product identified during voluntary site investigation activities. In the spring of 2003, a fifth VOC recovery well was added (EW-5) to better control groundwater from migrating beneath Plant 1. EW-5 is located at the northeast corner of Plant 1, between VOC recovery wells EW-1 and EW-3.

A network of groundwater monitoring wells has also been installed at the facility to monitor the effectiveness of the recovery systems and the movement and quality of groundwater. In addition to the active VOC and naphtha recovery wells, the current monitoring network consists of 55 shallow monitoring wells screened in the water-table aquifer, four intermediate monitoring wells screened in the lower portion of the water-table aquifer and 13 deep monitoring wells screened in the deeper aquifer system. Monitoring well locations are shown on Figure 1-2.

1.2 SEMI-ANNUAL MONITORING PROGRAM

Groundwater monitoring requirements are set forth in Remediation Site - Permit No. 004 issued by the Department of Public Works, City of South Bend, Indiana, to Honeywell International Inc., 3520 Westmoor Avenue, South Bend, Indiana on March 7, 2010. For self-monitoring requirements under this new permit, Honeywell must report the following analytical results for groundwater samples collected from all recovery wells discharging into city sewers:

- pH, temperature, specific conductivity,
- Volatile organic compounds (VOCs) - Method 624
- Semi volatile organic compounds (SVOCs) - Method 625
- Dioxin Screen – Method 625,
- Pesticides - Method 608,

- Polychlorinated biphenyls (PCBs) – Method 608,
- Total cyanide – Method 4500-CN E,
- Total oil and grease – Method 1664 HEM,
- Total petroleum hydrocarbons oil and grease – Method 1664 SGT HEM,
- Nitrogen in ammonia – Method 4500 NH3-F,
- Total metals – Method 200.7, 245.1 ,
- Biochemical oxygen demand (BOD) – Method 5210 B,
- Total phosphorus – Method 4500-P E, and
- Total suspended solids – Method 2540 D.

The five VOC recovery wells (EW-1, EW-2, EW-3, EW-4 and EW-5) and the three naphtha recovery wells (E3, RWB16 and RWB23) are included under the discharge permit.

The groundwater monitoring program at the facility is summarized as follows:

- Water levels are measured in all wells on a semi-annual basis to demonstrate the influence of the naphtha and VOC recovery systems on the shallow and deep groundwater flow patterns.
- Active recovery wells are sampled from individual sampling ports located on discharge piping on a semi-annual basis to comply with the discharge permit requirements. Discharge water is analyzed for the above-listed constituents.
- Groundwater samples are collected from up to 37 monitoring wells and analyzed semi-annually for VOCs, and annually for total phenols, total cyanide, dissolved arsenic, dissolved lead, dissolved chromium and dissolved nickel.

Quality control (QC) samples are also collected during each sampling event. Duplicate samples are collected at a frequency of 10 percent. Duplicates are analyzed for the same parameters as the respective primary samples to assess the homogeneity of sampled media and the precision of the sampling and analytical protocols. Trip blank samples for VOC analysis are collected at a frequency of one per cooler of VOC samples. Analysis of trip blanks is used to confirm that sample contamination has not occurred during shipment. Equipment blanks are collected during the sampling program when non-dedicated sampling devices are used. Equipment blank results are used to verify whether decontamination procedures used on sampling equipment are adequate and to understand whether cross-contamination has occurred.

2.0 SAMPLING METHODOLOGY

Procedures for measuring water levels and collecting groundwater samples are described in this section.

2.1 WATER LEVEL MEASUREMENTS

Groundwater level measurements are collected on a semi-annual basis. The measurements are listed on Table 2-1.

After opening the well and allowing the water level to stabilize, the depth to groundwater was measured at each location to the nearest 0.01 feet using an electronic water level indicator. After each measurement, the water level indicator was washed with a solution of LiquiNox and distilled water and rinsed with distilled water. Water level measurements were referenced to the top of the well casing. Groundwater elevations were calculated by subtracting the depth-to-groundwater at each well from the top-of-well casing elevation.

2.2 GROUNDWATER SAMPLING

During each semi-annual sampling event, groundwater discharge samples were collected from active naphtha and VOC recovery wells indicated on Table 2-2. During the May 2010 (2nd quarter) and November 2010 (4th quarter) sampling events, groundwater samples were also collected from 36 monitoring well locations on and adjacent to the site. Monitoring well MW-10 was inaccessible to sample during the November 2010 sampling event due to heavy machinery covering the location. Groundwater sampling at monitoring wells S-22 and S-23 was conducted during April and October 2010, approximately one month prior to the typical 2nd and 4th quarter sampling. In addition, these wells were also sampled in January and August of 2010 in association with plume attenuation monitoring following an enhanced bioremediation pilot study implemented in 2008. Sampling locations for each event are detailed on Table 2-2 and shown on Figure 1-2.

Under the new discharge permit with the City of South Bend, groundwater recovery wells sampling consists of both 24-hour composite and grab samples. DIG 710P irrigation (DIG) timers were used to collect 24-hour composite samples. DIG timers and composite collection containers were decontaminated prior to use with LiquiNox and distilled water, and then rinsed with distilled water. Existing spigots on discharge lines were used as sample points for the composite samples. Composite constituents analyzed include nitrogen in ammonia, total metals, BOD, total phosphorus

and total suspended solids. A set volume of water (8 to 12 ounces) was collected from each location every hour over a 24-hour period into the clean 3-gallon composite container. At the end of the 24-hour period a peristaltic pump was used to pull water from the composite container and fill the respective sample jars.

VOCs, SVOCs, dioxin screen, pesticides, PCBs, total oil and grease and total petroleum hydrocarbons oil and grease were all collected as grab samples. Grab samples were purged and sampled through existing spigots on discharge lines. In general, approximately five gallons of groundwater were purged from each recovery well. During purging, the pH, specific conductivity and temperature of the groundwater were measured with a Troll 9500 multi-parameter meter. Once purging was completed, a groundwater sample was collected.

Monitoring wells were purged of stagnant groundwater prior to sample collection. During purging, the pH, specific conductivity and temperature of the groundwater was measured in the field with a Myron Ultra Meter 6P and/or Troll 9500 multi-parameter meter. Groundwater was purged from the monitoring wells until a minimum of three well volumes was evacuated and the pH, specific conductivity, and temperature were stabilized (within 10 percent between the final two readings). Once purging was completed, a groundwater sample was collected. Most monitoring wells were purged and sampled with a peristaltic pump and dedicated tubing or disposable bailers. Select deep monitoring wells were purged with a Grundfos Pump and sampled with a dedicated bailer. One well (2D) is purged with an air lift device and sampled with a peristaltic pump. The peristaltic pump intake is located approximately 50 feet below the air lift injection point to limit potential influences on analytical results and/or groundwater parameters. Purge and sampling methods are detailed on Table 2-2.

In accordance with QC procedures during each sampling event, blind duplicate samples were collected at a frequency of at least 10 percent (i.e., 1 – 10 samples = one blind duplicate, 11 – 20 samples = two blind duplicates, etc.). Blind duplicate samples were collected at the following locations during the 2010 groundwater sampling events:

Well Location

<i>May 2010</i>	D5
	S17
	S20
	7D
	MW-10

November 2010 D12
 S3
 MW-11
 MW-9
 2D

In accordance with Laboratory QC procedures during each sampling event, matrix spike and matrix spike duplicate (MS/MSD) samples were collected at a frequency of 20 percent (i.e., 1 – 20 samples = one MS/MSD, 21 – 40 samples = two MS/MSD, etc.). MS/MSD samples were collected at the following locations during the 2010 groundwater sampling events:

Well Location

May 2010 D4
 86-15

November 2010 D4
 7-25

Laboratory-prepared trip blanks were included with each shipment of samples for VOC analysis and were also analyzed for VOCs.

Samples were placed in insulated coolers, with sealed bags of ice and delivered to TestAmerica Laboratories, Inc. of North Canton, Ohio for all 2010 groundwater sampling events. Chain-of-custody documentation accompanied each set of samples and included the following information: date and time of sample collection, sample location, analysis method and sampler's signature. Details of daily activities (including times, dates and methods of sample collection) were recorded on field sample record sheets. Details on the purging and sampling procedures were recorded on Groundwater Sample Record Sheets (included as Appendix A).

3.0 ANALYTICAL PROCEDURES

Table 3-1 provides a summary of the analytical program including analytes, methods and requirements for containers, handling and preservation. Analytical methods and QC procedures are discussed below.

3.1 LABORATORY METHODS

In May and November 2010, groundwater samples from the active recovery wells were analyzed for VOCs, SVOCs, dioxin screen, pesticides, PCBs, total oil and grease, total petroleum hydrocarbons oil and grease, nitrogen in ammonia, total metals, BOD, total phosphorus and total suspended solids.

In May 2010 and November 2010, groundwater samples were collected from select monitoring wells. In May, samples were analyzed for VOCs, dissolved arsenic, dissolved chromium, dissolved lead, dissolved nickel and total cyanide. In November 2010, samples were analyzed for VOCs.

3.2 DATA EVALUATION

TestAmerica Laboratories, Inc. conducted a systematic review of the data for compliance with the established QC criteria. An evaluation of data accuracy, precision, sensitivity and completeness was performed and presented with the analytical reports. Non-compliant data were qualified and a case narrative prepared to describe the corrective actions taken and the implications for data usability.

Laboratory results were submitted to Mactec in the form of laboratory data sheets and as an electronic data deliverable (EDD) file. Data were electronically transferred from EDD into a database maintained by Mactec. Upon transfer of the data, Mactec reviewed each data package to evaluate the usability of the data for the purposes of the monitoring program. The data were evaluated based upon the following parameters: completeness of the data package, holding times, trip blanks, duplicates and laboratory case narratives.

4.0 RESULTS AND DISCUSSION

Analytical data summary tables for the year 2010 sampling events are presented in Appendix B. The tables include a comparison of the analytical results to U.S. Environmental Protection Agency Primary Maximum Contaminant Levels (PMCLs). Data qualifiers are also shown on the tables, as appropriate.

4.1 QUALITY CONTROL REVIEW

For the year 2010 sampling events, VOCs were not detected in any of the trip blanks with the exception of common laboratory contaminants. As part of the quality control program, ten duplicate samples and four MS/MSD samples were collected during the 2010 groundwater monitoring program. Good correlation was observed between original and duplicate samples for all parameters analyzed.

4.2 SHALLOW/INTERMEDIATE MONITORING WELLS

The following paragraphs focus on shallow and intermediate groundwater with respect to groundwater flow patterns and contaminant distribution.

4.2.1 Groundwater Flow Patterns

Potentiometric surface maps of the water-table aquifer based upon water level measurements collected in conjunction with semi-annual groundwater sampling events are presented on Figure 4-1 and Figure 4-2. The maps illustrate shallow groundwater flow patterns based on monitoring wells screened in the shallow portion of the water table aquifer. Four “intermediate” monitoring wells (7-50, 8D, D8 and I1) are included on these figures. Their groundwater elevation measurements were not used for the potentiometric maps because these wells are screened in the lower portion of the shallow aquifer and may not represent water table conditions. All of the active recovery wells (E3, RWB16, RWB23, EW-1, EW-2, EW-3, EW-4 and EW-5) were operating during the semi-annual sampling events, with the exception of EW-5 which was offline for maintenance during the May 2010 sampling event.

In general, shallow groundwater from the western and central portions of the site flows east toward the naphtha recovery wells. VOC recovery wells EW-1, EW-2 and EW-5 inhibit off-site migration of shallow groundwater from the Plant 1 area. North of Plant 1, shallow groundwater generally

flows northeast toward Kennedy Park. VOC recovery well EW-3 limits off-site movement of shallow groundwater in the Plant 9 area.

4.2.2 Volatile Organic Compounds

When detected, VOC concentrations in groundwater from shallow monitoring wells during May and November 2010 ranged from 1.1 micrograms per liter ($\mu\text{g/l}$) (for cis-1,2-dichloroethene [cis-1,2-DCE] at monitoring well S-17 – November event) to 3,500 $\mu\text{g/l}$ (cis-1,2-DCE at monitoring well MW-2 – May and November events). Figure 4-3 and Figure 4-4 present total VOC concentrations reported at wells from the shallow flow system sampled during November and May sampling events, respectively. VOCs in groundwater samples from the shallow monitoring wells were highest in on-site monitoring wells near known source areas. VOCs were not detected in groundwater from monitoring wells located along the northern boundary of the western two-thirds of the site (along Westmoor Street, west of Bendix Drive). Consistent with previous sampling events, VOCs were detected in shallow monitoring wells located north and northeast of Plant 1 in the Kennedy Park area.

Time series graphs for contaminant concentrations in select shallow monitoring wells are contained in Appendix C in order to provide historical data for the well. The time-series graphs are updated after each sampling event and provide information on detected VOC concentrations in groundwater samples collected from the monitoring well locations over time. All monitoring wells have time-series graphs with the exception of those that historically have not displayed elevated concentrations of VOCs. Of the graphs, five shallow monitoring wells (86-10, 86-15, S4A, S16 and S17) are intended to represent sampling points near the origin of the groundwater plume. Five shallow monitoring wells (S9, S14, S24, S26 and S27) are intended to assess the central portion of the groundwater plume, and four monitoring wells (S21, S22, S23 and S25) are intended to represent sampling points near the downgradient edge of the plume.

The time series graph plots generated from groundwater sampling results from monitoring wells near the origin of the plume indicate stable or decreasing trends of VOC concentrations. At monitoring well S16, trichloroethene (TCE) concentrations that were trending upward during the period from 1990 to 1997 are now generally trending downward. Well S16 is located on the north side of Plant 1 within the capture zone of VOC recovery well EW-1. The return to a downward trend of TCE concentrations was observed shortly after EW-1 was installed in 1997.

In the central portion of the plume, VOC concentrations in groundwater generally are remaining stable (no trends) or decreasing. Concentrations of 1,1,1-trichloroethane (TCA) and 1,1-dichloroethane (DCA) at monitoring well S27 were increasing during the years 1998 and 1999. However since 2000, reported concentrations of 1,1,1-TCA and 1,1-DCA have been decreasing along with decreasing or no trends for other VOCs detected at this location.

Prior to 2007, trend analysis of VOC concentrations in groundwater samples from several monitoring wells near the downgradient edge of the plume indicated an increasing trend for several VOCs with concentration at or above PMCLs. As a result, Honeywell implemented an enhanced bioremediation pilot study in 2008 near downgradient wells S22 and S23. The pilot study has included multiple injections of EOS[®], an emulsified soybean oil combined with nutrients, and a bacteria inoculation to reduce VOC levels in groundwater. If pilot results are favorable, a full-scale application would include creating a downgradient barrier/treatment wall using these materials across the width of the contaminant plume. Performance monitoring to date has shown influences on groundwater concentrations near S22 and S23 with reductions in TCE and changeover to TCE degradation products. At S23, TCE has been reduced to a level below the PMCL of five µg/l as evident from the last several sampling events. At S22, cis-1,2 DCE has been reduced to levels below the PMCL of 70 µg/l. The pilot study performance monitoring will continue in 2011 with further evaluation of full-scale implementation.

4.2.3 Total Phenols

In accordance with the groundwater monitoring program established for the site, groundwater samples from monitoring wells were collected for analysis of total phenols during one 2010 sampling event (May 2010). None of the monitoring wells exhibited phenol concentrations above the laboratory reporting limit (RL) of 40 µg/l. During the corresponding sampling event the previous year (May 2009) there were numerous detections of phenols above RLs, which has not historically been the case. MACTEC will continue to monitor phenol concentrations during future groundwater sampling events for further inconsistencies in phenol concentrations.

4.2.4 Inorganic Constituents

Similar to total phenols, groundwater samples from shallow/intermediate monitoring wells were collected for analysis of total cyanide, dissolved arsenic, dissolved chromium, dissolved lead and dissolved nickel during the May 2010 sampling event.

Total cyanide, dissolved arsenic, dissolved chromium, dissolved lead and dissolved nickel were not detected in any of the shallow/intermediate monitoring wells.

4.3 DEEP MONITORING WELLS

The following paragraphs focus on groundwater flow patterns and contaminant distribution in the deeper sand and gravel aquifer.

4.3.1 Groundwater Flow Patterns

Potentiometric surface maps of the deep aquifer (based upon water level measurements collected during the semi-annual sampling events) are presented on Figures 4-5 and 4-6. As indicated on the figures, the generalized deep groundwater flow direction is northeasterly, which is consistent with historical deep groundwater flow observed at the site. It should be noted that the potentiometric map for the deeper portion of the aquifer includes groundwater level data from monitoring wells ranging in depth from 75 feet to over 200 feet. Considering the range in well depths, the potentiometric map for the deeper portion of the aquifer represents the general direction of groundwater flow but does not consider the potential for vertical gradients within the aquifer.

4.3.2 Volatile Organic Compounds

Seven deep monitoring wells (2D, 7D, 9D, D4, D5, D7 and D12) were sampled during the May and November 2010 sampling events. VOCs were reported in samples from four sampling locations (monitoring wells 2D, 7D, D12 and D7), with detected total VOC concentrations ranging from 4.1 µg/l (for cis-1,2-DCE at monitoring wells 2D – May event) to 21 µg/l (for 1,2-DCA at monitoring well D7 – May event). Figure 4-7 and Figure 4-8 present total VOC concentrations reported at wells from the deep flow system sampled during November and May sampling events, respectively. This data supports the current site conceptual model indicating low concentrations of VOCs in the deep sand and gravel aquifer are limited to a few on-site sampling locations.

Time series graphs for deep monitoring wells 2D and 7D are provided in Appendix C. Concentrations of 1,2-DCA decreased to below the PMCL of five µg/l at monitoring well 2D in 2007 and has remained fairly consistent in subsequent years. VOC concentrations reported in samples from monitoring well 7D have continued to trend downward since December 2002. Concentrations of TCE decreased to below the PMCL of five µg/l at monitoring well 7D in 2008. However, in November 2009 TCE concentrations in 7D increased to 43 µg/l. During the May and

November 2010 sampling events, TCE concentrations were reported at 7.9 µg/l and 2.9 µg/l, respectively.

4.3.3 Total Phenols

Total phenols were detected above RLs in one deep monitoring well (D4) during the May 2010 monitoring event at a concentration of 83 µg/l. As indicated in Section 4.2.3, during the corresponding sampling event the previous year (May 2009) there were numerous detections of phenols above RLs, which has not historically been the case. MACTEC will continue to monitor phenol concentrations during future quarterly groundwater sampling events for further inconsistencies in phenol concentrations

4.3.4 Inorganic Constituents

Inorganic constituents were not detected above method detection limits in any of the deep monitoring wells sampled during the May 2010 sampling event.

4.4 NAPHTHA RECOVERY WELLS

The active naphtha recovery wells are E3A, RWB16 and RWB23. Results from semi-annual discharge sampling in 2010 indicate that the VOCs detected in the naphtha recovery wells are generally consistent with previous sampling events. VOC concentrations ranged from 1.2 µg/l (for trans-1,2-DCE at recovery well E3A – November event) to 460 µg/l (for cis-1,2-DCE at recovery well RWB23 – November event). Time-series graphs for detected VOC concentrations are presented in Appendix C. In general, all detected constituent concentrations appear stable or trending downward.

In addition to VOCs, the naphtha recovery wells were sampled in May and November 2010 for SVOCs, dioxin screen, PCBs, pesticides, total cyanide, total arsenic, total cadmium, total chromium, total copper, total lead, total mercury, total nickel, total phosphorus, total silver, total zinc, total oil and grease, total petroleum hydrocarbons oil and grease, nitrogen in ammonia, BOD and total suspended solids. SVOCs, dioxin screen, PCBs, pesticides, total petroleum hydrocarbons oil and grease, total arsenic, total cadmium, total chromium, total mercury and total silver were not detected in any naphtha recovery wells during the May or November sampling events. Total lead concentrations exceeding the PMCL ranged from 24.9 µg/l at RWB16 to 32.5 µg/l at RWB23, both during the November sampling event. All other constituents were detected below their respective PMCLs and/or concentrations mandated by the discharge permit with the City of South Bend.

MACTEC will continue to monitor for trends in total lead concentrations in naphtha recovery wells during subsequent groundwater sampling events.

4.5 VOC RECOVERY WELLS

The VOC recovery wells (EW-1, EW-2, EW-3, EW-4 and EW-5) are located along the north side of Plant 1 and Plant 9, as shown on Figure 1-2. Results from semi-annual discharge sampling in 2010 indicate that the VOCs detected in the VOC recovery wells are generally consistent with previous sampling events. In 2010, VOC concentrations in these wells ranged from 1.8 µg/l (for TCE at recovery well EW-4 – November event) to 240 µg/l (for 1,2-DCE [total]) at recovery well EW-1 – November event). Time series graphs for detected VOC concentrations are presented in Appendix C. Historically, all detected constituent concentrations exhibited a stable or downward trend.

In addition to VOCs, the VOC recovery wells were sampled in May and November 2010 for SVOCs, dioxin screen, PCBs, pesticides, total cyanide, total arsenic, total cadmium, total chromium, total copper, total lead, total mercury, total nickel, total phosphorus, total silver, total zinc, total oil and grease, total petroleum hydrocarbons oil and grease, nitrogen in ammonia, BOD and total suspended solids. SVOCs, dioxin screen, PCBs, pesticides, total petroleum hydrocarbons oil and grease, total cadmium, total mercury, total phosphorus, total silver and BOD were not detected in any VOC recovery wells during the May or November sampling events. Total lead concentrations exceeding the PMCL occurred during the May sampling event at EW-2 (57 µg/l). All other constituents were detected below their respective PMCLs and/or concentrations mandated by the discharge permit with the City of South Bend. MACTEC will continue to monitor for trends in total lead concentrations in VOC recovery wells during subsequent groundwater sampling events.

TABLES

Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
<i>Shallow Monitoring Wells</i>						
7-25	26.6	5/3/2010	720.47	19.93	-0.07	700.54
		11/1/2010	720.47	20.20	-0.27	700.27
86-2	28.3	5/3/2010	714.98	17.44	0.00	697.54
		11/1/2010	714.98	17.84	-0.40	697.14
86-4	23.8	5/3/2010	715.09	17.40	-0.02	697.69
		11/1/2010	715.09	17.79	-0.39	697.30
86-5	30.1	5/3/2010	715.04	17.36	0.00	697.68
		11/1/2010	715.04	17.78	-0.42	697.26
86-7	27.2	5/3/2010	714.15	15.35	NA	698.80
		11/1/2010	714.15	16.06	-0.71	698.09
86-8	28.5	5/3/2010	714.62	NM	NA	NA
		11/1/2010	714.62	NM	NA	NA
86-10	27.1	5/3/2010	712.72	14.35	0.03	698.37
		11/1/2010	712.72	15.22	-0.87	697.50
86-11	27.0	5/3/2010	713.10	14.70	0.18	698.40
		11/1/2010	713.10	15.40	-0.70	697.70
86-12	25.4	5/3/2010	713.10	14.75	0.22	698.35
		11/1/2010	713.10	15.46	-0.71	697.64
86-15	25.3	5/3/2010	713.11	14.49	0.24	698.62
		11/1/2010	713.11	15.22	-0.73	697.89
9-33	27.3	5/3/2010	716.20	17.51	-0.12	698.69
		11/1/2010	716.20	17.93	-0.42	698.27

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
MW-1	25.3	5/3/2010	720.88	16.58	-0.15	704.30
		11/1/2010	720.88	17.13	-0.55	703.75
MW-2	15.4	5/3/2010	713.93	11.19	-0.09	702.74
		11/1/2010	713.93	11.62	-0.43	702.31
MW-3	17.2	5/3/2010	713.10	13.25	-0.05	699.85
		11/1/2010	713.10	13.54	-0.29	699.56
MW-4	21.0	5/3/2010	712.66	15.42	0.05	697.24
		11/1/2010	712.66	15.75	-0.33	696.91
MW-5	20.8	5/3/2010	713.21	15.92	-0.05	697.29
		11/1/2010	713.21	16.30	-0.38	696.91
MW-7	18.2	5/3/2010	712.59	14.83	0.01	697.76
		11/1/2010	712.59	15.23	-0.40	697.36
MW-9	19.8	5/3/2010	710.90	14.13	0.16	696.77
		11/1/2010	710.90	14.60	-0.47	696.30
MW-10	19.4	5/3/2010	716.01	11.83	-0.17	704.18
		11/1/2010	716.01	NM	NA	NA
MW-11	21.7	5/3/2010	719.77	16.26	0.44	703.51
		11/1/2010	719.77	16.87	-0.61	702.90
MW-12	13.8	5/3/2010	711.58	9.94	-0.07	701.64
		11/1/2010	711.58	10.37	-0.43	701.21
MW-13	18.8	5/3/2010	712.55	14.95	-0.10	697.60
		11/1/2010	712.55	15.05	-0.10	697.50

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
MW-14	25.0	5/3/2010	712.63	14.71	0.19	697.92
		11/1/2010	712.63	14.36	0.35	698.27
MW-15	24.8	5/3/2010	712.72	14.82	0.20	697.90
		11/1/2010	712.72	15.51	-0.69	697.21
OW-1	37.4	5/3/2010	711.48	13.81	0.10	697.67
		11/1/2010	711.48	14.38	-0.57	697.10
OW-2	35.0	5/3/2010	711.45	13.87	0.11	697.58
		11/1/2010	711.45	14.45	-0.58	697.00
S1	35.6	5/3/2010	728.09	22.87	-0.27	705.22
		11/1/2010	728.09	23.37	-0.50	704.72
S3	24.6	5/3/2010	716.65	19.82	-0.08	696.83
		11/1/2010	716.65	20.21	-0.39	696.44
S4A	31.6	5/3/2010	711.37	12.24	0.11	699.13
		11/1/2010	711.37	12.71	-0.47	698.66
S5	33.0	5/3/2010	712.83	13.90	-0.86	698.93
		11/1/2010	712.83	13.72	0.18	699.11
S6	32.4	5/3/2010	716.91	19.31	0.01	697.60
		11/1/2010	716.91	19.78	-0.47	697.13
S8	22.6	5/3/2010	714.65	18.16	0.03	696.49
		11/1/2010	714.65	18.55	-0.39	696.10
S9	21.1	5/3/2010	714.17	16.77	0.22	697.40
		11/1/2010	714.17	17.33	-0.56	696.84

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
S12	30.0	5/3/2010	721.45	18.76	-0.08	702.69
		11/1/2010	721.45	19.21	-0.45	702.24
S14	20.2	5/3/2010	711.86	15.36	0.08	696.50
		11/1/2010	711.86	15.78	-0.42	696.08
S15	22.0	5/3/2010	714.37	18.40	0.05	695.97
		11/1/2010	714.37	18.66	-0.26	695.71
S16	18.71	5/3/2010	713.13	15.04	0.31	698.09
		11/1/2010	713.13	15.72	-0.68	697.41
S17	24.80	5/3/2010	716.97	18.08	0.25	698.89
		11/1/2010	716.97	18.84	-0.76	698.13
S18	32.4	5/3/2010	715.41	15.59	0.19	699.82
		11/1/2010	715.41	16.39	-0.80	699.02
S20	18.8	5/3/2010	709.97	13.84	0.09	696.13
		11/1/2010	709.97	14.22	-0.38	695.75
S21	23.4	5/3/2010	711.33	21.14	-6.28	690.19
		11/1/2010	711.33	15.07	6.07	696.26
S22	26.0	5/3/2010	709.33	15.45	-1.54	693.88
		11/1/2010	709.33	14.93	0.52	694.40
S23	28.2	5/3/2010	710.24	16.52	0.43	693.72
		11/1/2010	710.24	16.92	-0.40	693.32
S24	21.4	5/3/2010	713.03	15.05	0.49	697.98
		11/1/2010	713.03	15.85	-0.80	697.18

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

**Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana**

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
S25	26.8	5/3/2010	710.60	14.00	0.24	696.60
		11/1/2010	710.60	14.55	-0.55	696.05
S26	26.9	5/3/2010	714.50	16.93	0.03	697.57
		11/1/2010	714.50	17.54	-0.61	696.96
S27	27.9	5/3/2010	715.40	17.75	0.35	697.65
		11/1/2010	715.40	18.41	-0.66	696.99
S28	23.5	5/3/2010	712.64	14.40	0.18	698.24
		11/1/2010	712.64	14.96	-0.56	697.68
Intermediate Monitoring Wells (50 - 75 feet)						
7-50	50.0	5/3/2010	719.84	19.44	-0.05	700.40
		11/1/2010	719.84	19.73	-0.29	700.11
8D	59.5	5/3/2010	712.61	15.05	0.75	697.56
		11/1/2010	712.61	16.24	-1.19	696.37
D8	61.9	5/3/2010	713.10	15.43	-0.34	697.67
		11/1/2010	713.10	15.95	-0.52	697.15
I1	47.6	5/3/2010	711.58	17.37	0.01	694.21
		11/1/2010	711.58	17.65	-0.28	693.93
Deep Monitoring Wells (75 - 210 feet)						
D3	133.1	5/3/2010	714.45	16.89	-0.05	697.56
		11/1/2010	714.45	17.55	-0.66	696.90
D4	118.6	5/3/2010	717.85	20.11	0.21	697.74
		11/1/2010	717.85	20.83	-0.72	697.02
D5	186.8	5/3/2010	712.07	14.30	-0.07	697.77
		11/1/2010	712.07	14.87	-0.57	697.20

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
D7	78.4	5/3/2010	709.88	12.25	0.11	697.63
		11/1/2010	709.88	12.74	-0.49	697.14
D9	96.9	5/3/2010	717.00	16.62	0.18	700.38
		11/1/2010	717.00	17.39	-0.77	699.61
D12	147.1	5/3/2010	710.35	19.77	-0.91	690.58
		11/1/2010	710.35	20.83	-1.06	689.52
2D	188.3	5/3/2010	712.79	14.97	2.05	697.82
		11/1/2010	712.79	15.56	-0.59	697.23
3D	196.9	3/23/2009	712.91	15.2	-0.59	697.71
		5/18/2009	712.91	15.78	-0.58	697.13
5D	192.2	5/3/2010	712.01	20.93	-0.89	691.08
		11/1/2010	712.01	21.94	-1.01	690.07
7D	95.1	5/3/2010	712.70	15.38	0.39	697.32
		11/1/2010	712.70	16.28	-0.90	696.42
9D	96.9	5/3/2010	712.20	16.62	3.57	695.58
		11/1/2010	712.20	22.06	-5.44	690.14
Recovery Wells						
Former VOC System:						
RW-7	20.0	5/3/2010	710.73	12.82	0.30	697.91
		11/1/2010	710.73	13.53	-0.71	697.20
RW-14	28.8	5/3/2010	712.63	14.27	0.14	698.36
		11/1/2010	712.63	14.97	-0.70	697.66
RW-17	28.8	5/3/2010	712.78	14.52	-0.37	698.26
		11/1/2010	712.78	11.30	3.22	701.48

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

**Table 2-1
Groundwater Elevation Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana**

Well No.	Well Depth (feet)	Date of Measurement	Measuring Point Elevation (feet)	Depth to Water (feet)	Change in Water Elevation (feet)	Water Elevation (feet)
Naphtha System:						
E3	36.0	5/3/2010	714.50	21.10	-0.56	693.40
		11/1/2010	714.50	21.22	-0.12	693.28
RWB6	29.4	5/3/2010	715.80	NM	NA	NA
		11/1/2010	715.80	NM	NA	NA
RWB16	36.0	5/3/2010	714.83	29.74	NA	685.09
		11/1/2010	714.83	MN	NA	NA
RWB21	29.5	5/3/2010	717.62	19.92	0.00	697.70
		11/1/2010	717.62	20.36	-0.44	697.26
RWB22	36.0	5/3/2010	715.11	NM	NA	NA
		11/1/2010	715.11	NM	NA	NA
RWB23	43.0	5/3/2010	713.01	20.50	9.20	692.51
		11/1/2010	713.01	28.27	-7.77	684.74
VOC System:						
EW-1	60.0	5/3/2010	712.26	26.58	6.75	685.68
		11/1/2010	712.26	29.87	-3.29	682.39
EW-2	47.0	5/3/2010	711.58	15.99	4.51	695.59
		11/1/2010	711.58	20.86	-4.87	690.72
EW-3	31.0	5/3/2010	712.59	17.81	-0.10	694.78
		11/1/2010	712.59	22.25	-4.44	690.34
EW-4	49.0	5/3/2010	716.17	27.62	-0.89	688.55
		11/1/2010	716.17	20.45	7.17	695.72
EW-5	57.0	5/3/2010	712.96	15.46	0.41	697.50
		11/1/2010	712.96	25.98	-10.52	686.98

Depth to groundwater measured from the top of well casing.

Groundwater elevations are referenced to Mean Sea Level.

NM = Not Measured

NA = Not Available

**Table 2-2
Groundwater Sample Collection Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana**

Well No.	Well Depth (feet)	March Event	May Event	September Event	November Event	Sampling Method
<i>Shallow Monitoring Wells</i>						
7-25	26.6		X		X	Peristaltic
86-2	28.3					
86-4	23.8					
86-5	30.1					
86-6	25.9					
86-7	27.2					
86-8	28.5					
86-9	26.8					
86-10	27.1		X		X	Peristaltic
86-11	27.0					
86-12	25.4					
86-13	28.8					
86-15	25.3		X		X	Peristaltic
86-19	28.1					
9-33	27.3					
MW-1	25.3					
MW-2	15.4		X		X	Peristaltic
MW-3	17.2					
MW-4	21.0		X		X	Peristaltic
MW-5	20.8		X		X	Peristaltic
MW-6	18.0					
MW-7	18.2		X		X	Peristaltic
MW-8	19.0					
MW-9	19.8		X		X	Peristaltic
MW-10	19.4					
MW-11	21.7		X		X	Peristaltic
MW-12	13.8		X		X	Peristaltic
MW-13	18.8		X		X	Peristaltic
MW-14	25.0					
MW-15	24.8					
OW-1	37.4					
OW-2	35.0					
S1	35.6					
S3	24.6		X		X	Peristaltic/Disp. Bailer
S4A	31.6		X		X	Peristaltic
S5	33.0					
S6	32.4					
S8	22.6					
S9	21.1		X		X	Peristaltic/Disp. Bailer
S12	30.0					
S14	20.2		X		X	Peristaltic/Disp. Bailer
S15	22.0		X		X	Peristaltic/Disp. Bailer
S16	18.7		X		X	Peristaltic/Disp. Bailer
S17	19.1		X		X	Peristaltic/Disp. Bailer
S18	32.4					
S19	36.4					
S20	18.8		X		X	Peristaltic/Disp. Bailer
S21	23.4		X		X	Peristaltic/Disp. Bailer
S22	26.0		X		X	Peristaltic
S23	28.2		X		X	Peristaltic
S24	21.4		X		X	Peristaltic
S25	26.8		X		X	Peristaltic
S26	26.9		X		X	Peristaltic
S27	27.9		X		X	Peristaltic
S28	23.5		X		X	Peristaltic

**Table 2-2
Groundwater Sample Collection Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana**

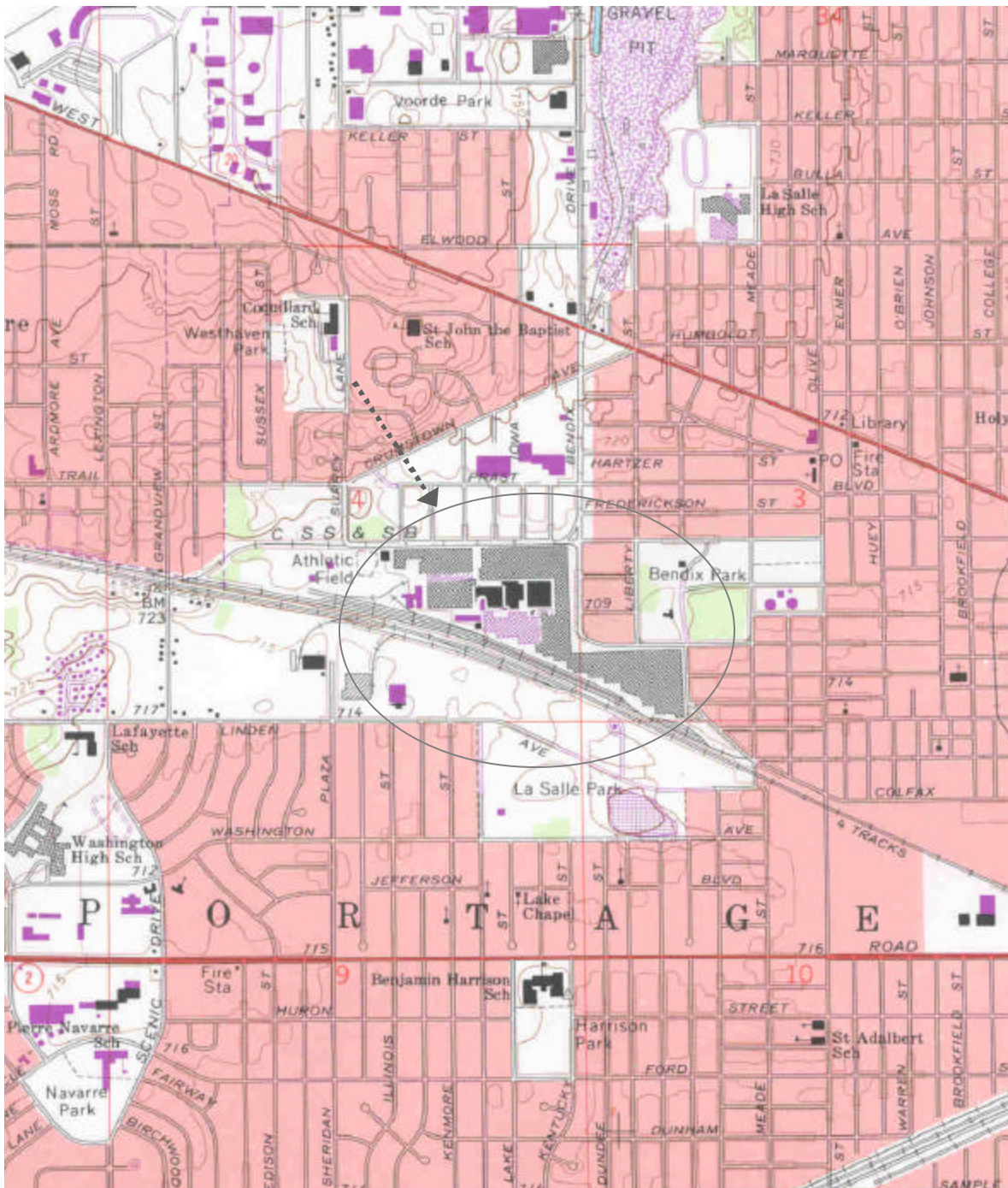
Well No.	Well Depth (feet)	March Event	May Event	September Event	November Event	Sampling Method
Intermediate Monitoring Wells (50 - 75 feet)						
7-50	50.0		X		X	Peristaltic
8D	59.5					
D8	61.9		X		X	Disposable Bailer
I1	47.6					
Deep Monitoring Wells (75 - 210 feet)						
D3	133.1					
D4	118.6		X		X	Disposable Bailer
D5	186.8		X		X	Disposable Bailer
D7	78.4		X		X	Disposable Bailer
D9	96.9					
D12	147.1		X		X	Disposable Bailer
1D	208.6					
2D	188.3		X		X	Peristaltic
3D	196.9					
4D	192.7					
5D	192.2					
7D	95.1		X		X	Disposable Bailer
9D	96.9		X		X	Disposable Bailer
Recovery Wells						
Former VOC System:						
RW-3	30.7					
RW-4	24.4					
RW-7	21.6					
RW-14	28.8					
RW-16	22.1					
RW-17	28.8					
Naphtha System:						
E3	NM	X	X	X	X	Composite Jug/Spigot
RWB6	29.4					
RWB16	23.6	X	X	X	X	Composite Jug/Spigot
RWB21	29.5					
RWB22	NM					
RWB23	49.8	X	X	X	X	Composite Jug/Spigot
VOC System:						
EW-1	56.3	X	X	X	X	Composite Jug/Spigot
EW-2	43.2	X	X	X	X	Composite Jug/Spigot
EW-3	30.6	X	X	X	X	Composite Jug/Spigot
EW-4	49.0	X	X	X	X	Composite Jug/Spigot
EW-5	57.0	X	X	X	X	Composite Jug/Spigot

**Table 3-1
Groundwater Analysis Summary
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex - South Bend, Indiana**

Event (Month)	Sample Description	Analytical Parameters	Analytical Methods	Container and Preservative Requirements
1st Semi-Annual (May)				
	Select Monitoring Wells	Volatile Organic Compounds	SW-846 8260B	(3) 40 ml glass vial w/HCL
		Metals (As, Cr, Pb, Ni), Dissolved	SW-846 6010B	(1) 500 ml plastic bottle, field filtered, w/HNO3
		Cyanide, Total	SW-846 9012A	(1) 250 ml plastic bottle w/NaOH
		Phenols, Total	MCAWW 420.1	(1) 250 ml amber glass w/H2SO4
	Active Groundwater Extraction Wells	Volatile Organic Compounds *	CFR-136A 624	(3) 40 ml glass vial w/HCL
		Semivolatile Organic Compounds *	CFR-136A 625	(2) 1 L amber glass
		Dioxin Screening *	CFR-136A 625 SIM	(2) 1 L amber glass
		Polychlorinated Biphenyls*	CFR-136A 608	(2) 1 L amber glass
		Pesticides*	CFR-136A 608	(2) 1 L amber glass
		Oil and Grease, Total *	CFR-136A 1664A HEM	(2) 1 L amber glass w/H2SO4
		Oil and Grease, Total Petroleum Hydrocarbons *	CFR-136A 1664A SGT HEM	(2) 1 L amber glass w/H2SO4
		Cyanide, Total *	SM18 4500-CN E	(1) 250 ml plastic bottle w/NaOH
		Phosphorus *	SM18 4500-P E	(1) 250 ml plastic bottle w/H2SO4
		Ammonia Nitrogen *	SM 18 4500 NH3-F	(1) 250 ml plastic bottle w/H2SO4
		Biochemical Oxygen Demand (BOD) *	SM18 5210B	(1) 1 L plastic bottle
		Total Suspended Solids (TSS) *	SM18 2540D	(1) 250 ml plastic bottle
		Metals (Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn), Total *	SW-846 200.8, 245.1	(1) 500 ml plastic bottle w/HNO3
2nd Semi-Annual (November)				
	Select Monitoring Wells	Volatile Organic Compounds	SW-846 8260B	(3) 40 ml glass vial w/HCL
	Active Groundwater Extraction Wells	Volatile Organic Compounds *	CFR-136A 624	(3) 40 ml glass vial w/HCL
		Semivolatile Organic Compounds *	CFR-136A 625	(2) 1 L amber glass
		Dioxin Screening *	CFR-136A 625 SIM	(2) 1 L amber glass
		Polychlorinated Biphenyls*	CFR-136A 608	(2) 1 L amber glass
		Pesticides*	CFR-136A 608	(2) 1 L amber glass
		Oil and Grease, Total *	CFR-136A 1664A HEM	(2) 1 L amber glass w/H2SO4
		Oil and Grease, Total Petroleum Hydrocarbons *	CFR-136A 1664A SGT HEM	(2) 1 L amber glass w/H2SO4
		Cyanide, Total *	SM18 4500-CN E	(1) 250 ml plastic bottle w/NaOH
		Phosphorus *	SM18 4500-P E	(1) 250 ml plastic bottle w/H2SO4
		Ammonia Nitrogen *	SM 18 4500 NH3-F	(1) 250 ml plastic bottle w/H2SO4
		Biochemical Oxygen Demand (BOD) *	SM18 5210B	(1) 1 L plastic bottle
		Total Suspended Solids (TSS) *	SM18 2540D	(1) 250 ml plastic bottle
		Metals (Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn), Total *	SW-846 200.8, 245.1	(1) 500 ml plastic bottle w/HNO3

- Notes:**
- * - Required by Wastewater Discharge Permit.
 - pH, conductivity, and temperature are also required to be reported semi-annually.
 - Required Quality Control samples include 10 percent duplicates, and one trip blank with each cooler shipment containing VOC samples.
 - Equipment blanks will be collected at a frequency of 10 percent on non-dedicated sampling equipment (i.e., small diameter stainless steel bailer).
 - Matrix spike/matrix spike duplicates samples do not require desigantion by sampling team with current Laboratory.

FIGURES



Taken from the South Bend, Indiana 7.5
Series U.S.G.S. Topographic Quadrangle Map

Figure 1-1
Site Location Map
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana



Legend

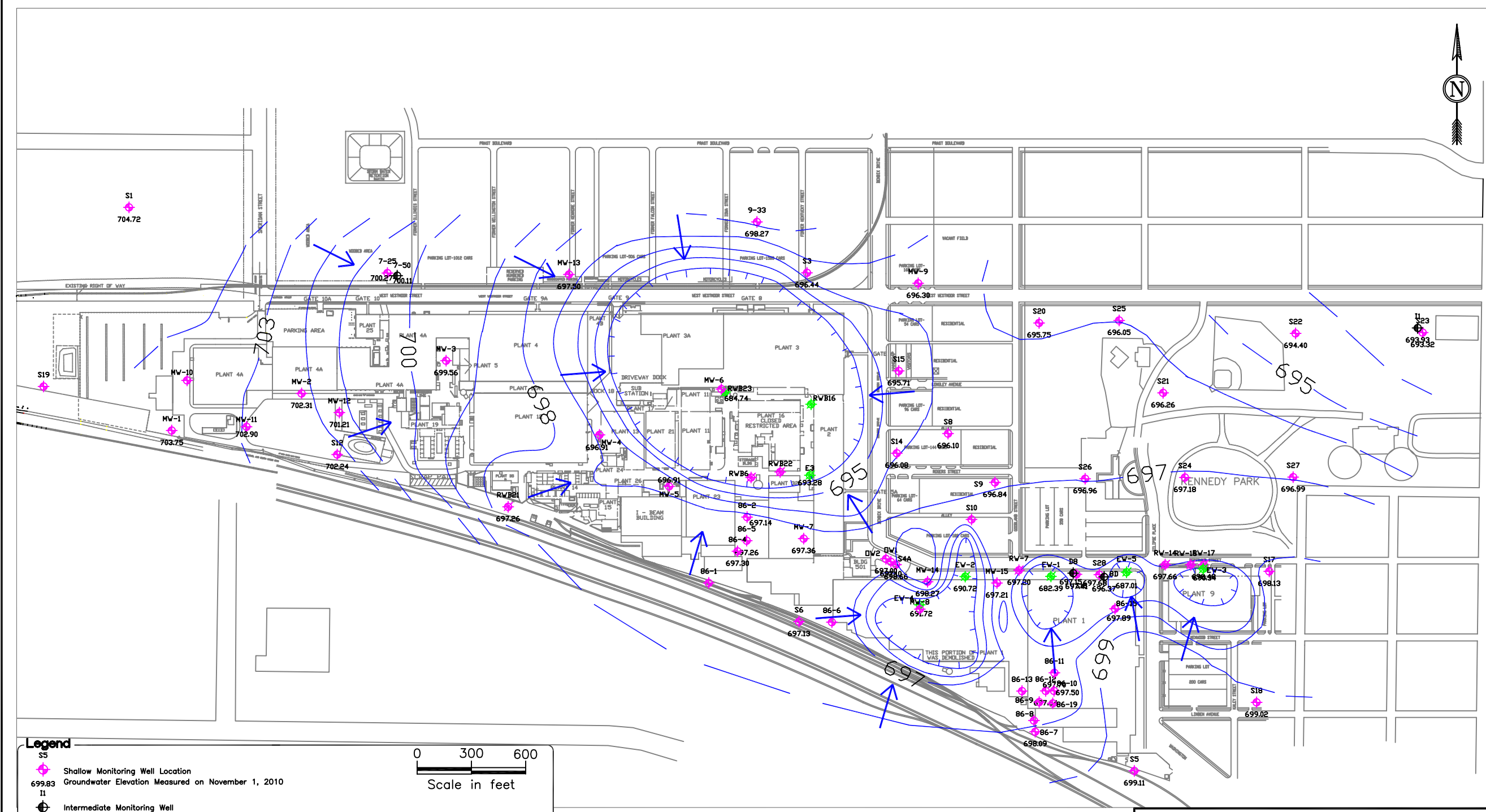
	Water Table Monitoring Well Location
	Intermediate Monitoring Well Location (50 to 100 feet deep)
	Deep Monitoring Well Location (100 to 210 feet deep)
	Former Recovery Well Location
	Existing Recovery Well Location

DESIGNED BY	JS	3/22/2011
DRAWN BY	TIG	3/22/2011
CHKD. BY		

MACTEC
46850 Magellan Drive, Suite 190
Novi, MI 48377

Figure 1-2
Monitoring and Recovery Well Network
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

P:\HW - South Bend\MACTEC Drawings & Prints\3310080028.6100_0111\Figure 1-2.dwg Tue, 22 Mar 2011 - 10:39am tgraham



Legend

- S5 Shallow Monitoring Well Location
- 699.83 Groundwater Elevation Measured on November 1, 2010
- I1 Intermediate Monitoring Well
- RWB16 Groundwater Extraction Well Location
- 696.61 Groundwater Elevation Measured on November 1, 2010
- 696 Groundwater Potentiometric Contour, feet above Mean Sea Level
- Groundwater Flow Direction

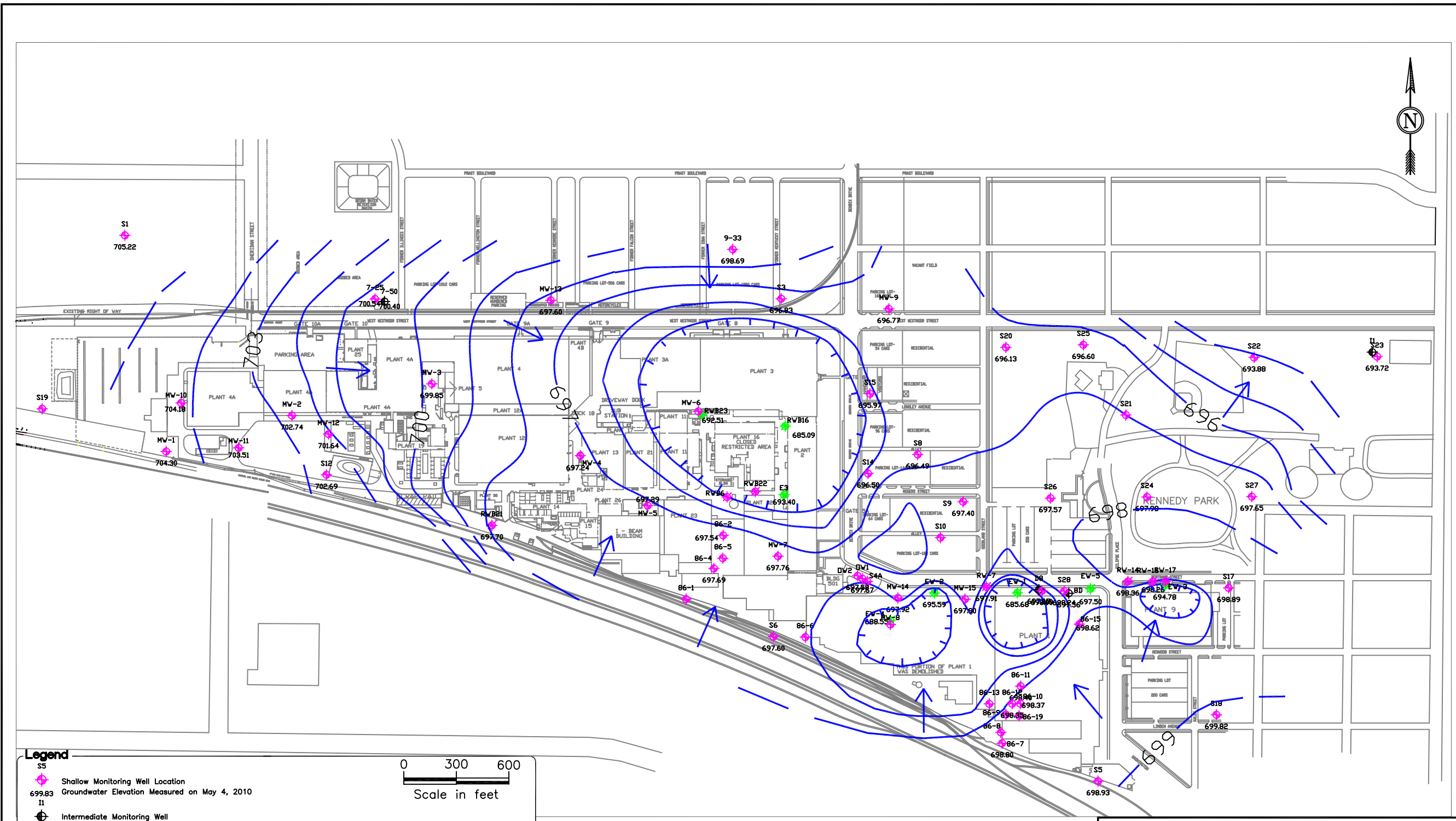
0 300 600
Scale in feet

DESIGNED BY	SDM	3/22/2011
DRAWN BY	TIG	3/22/2011
CHKD. BY		

MACTEC
46850 Magellan Drive, Suite 190
Novi, MI 48377

Figure 4-1
Potentiometric Surface Map, Shallow Wells - November 2010
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

P:\HW - South Bend\MACTEC Drawings & Prints\3310060028.6100_0111\Figure 4-1.dwg Tue, 22 Mar 2011 10:51am igraham



Legend

- S5 Shallow Monitoring Well Location
- 699.83 Groundwater Elevation Measured on May 4, 2010
- I1 Intermediate Monitoring Well
- RWB16 Groundwater Extraction Well Location
- 696.61 Groundwater Elevation Measured on May 4, 2010
- Groundwater Potentiometric Contour, feet above Mean Sea Level
- Groundwater Flow Direction

Note: EW-5 off-line for servicing
Water level from S21 not used

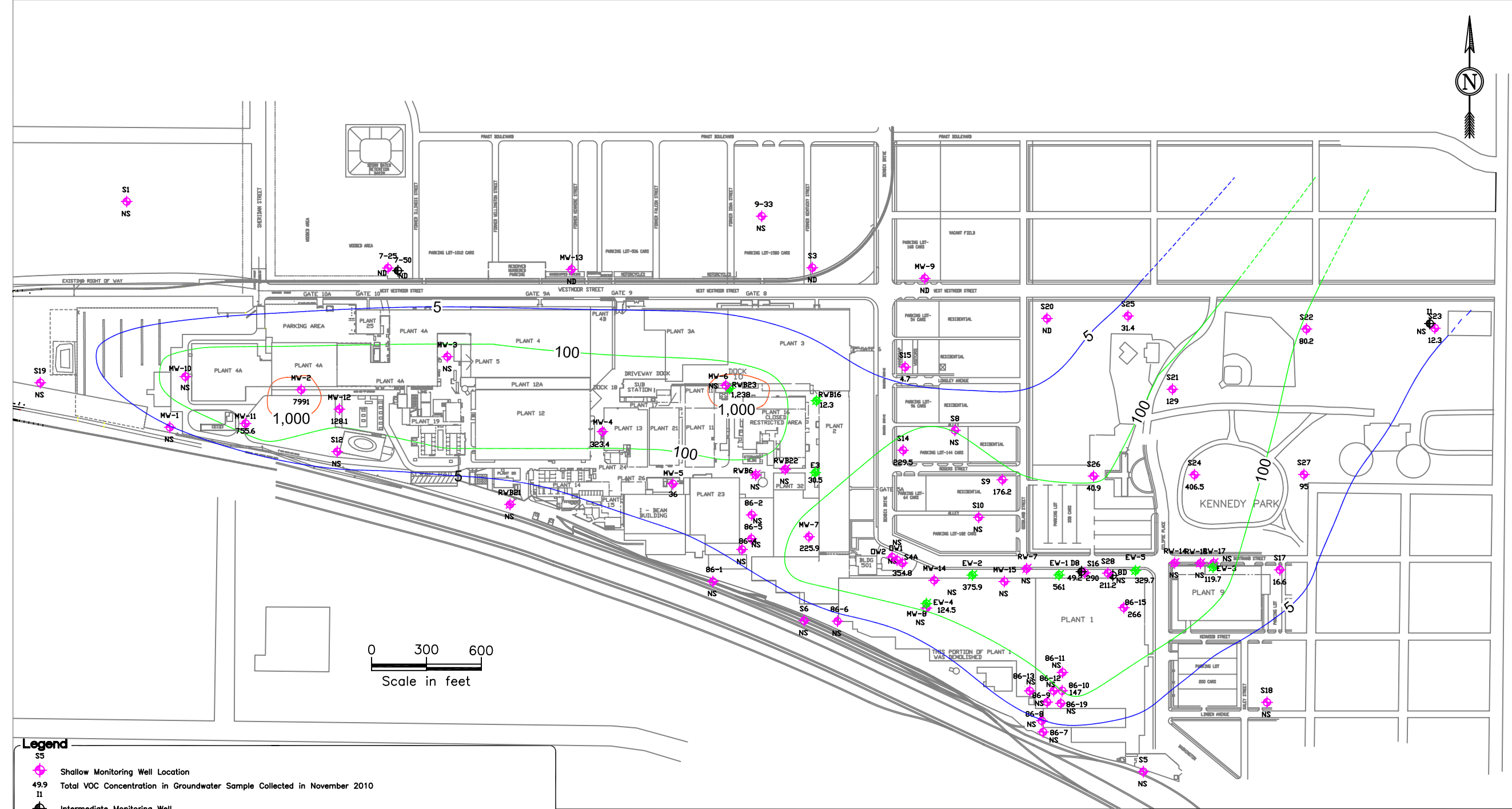
Scale in feet
0 300 600

DESIGNED BY	SDM	3/22/2011
DRAWN BY	TIG	3/22/2011
CHKD. BY		

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Figure 4-2
Potentiometric Surface Map, Shallow Wells - May 2010
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

P:\HW - South Bend\MACTEC Drawings & Prints\3310080028.6100_0111\Figures 4-2.dwg Tue, 22 Mar 2011 10:52am igraham



Legend

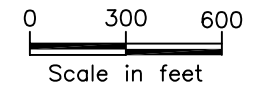
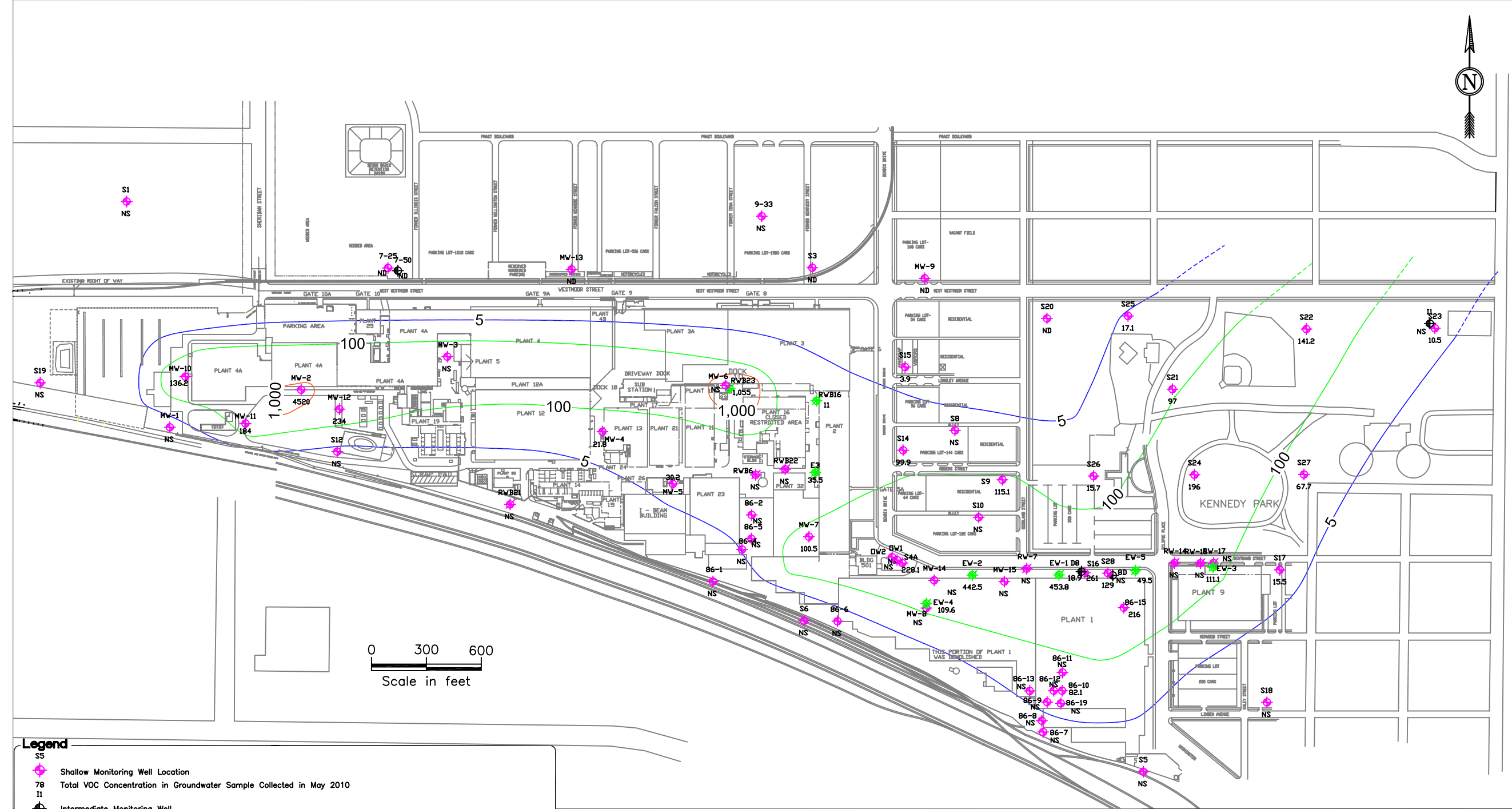
- S5 Shallow Monitoring Well Location
- 49.9 Total VOC Concentration in Groundwater Sample Collected in November 2010
- 11 Intermediate Monitoring Well
- RVB16 Groundwater Extraction Well Location
- Total VOC In Groundwater Iso-concentration Line 1,000 µg/L
- Total VOC In Groundwater Iso-concentration Line 100 µg/L
- Total VOC In Groundwater Iso-concentration Line 5 µg/L
- VOC's Analyzed by Method 8260
- ND No Detectable Concentrations of VOCs in Groundwater Sample
- NS Not Sampled

DESIGNED BY	JS	3/22/2011
DRAWN BY	TIG	3/22/2011
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Figure 4-3
Total VOCs in Groundwater, Shallow Wells - November 2010
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

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Legend

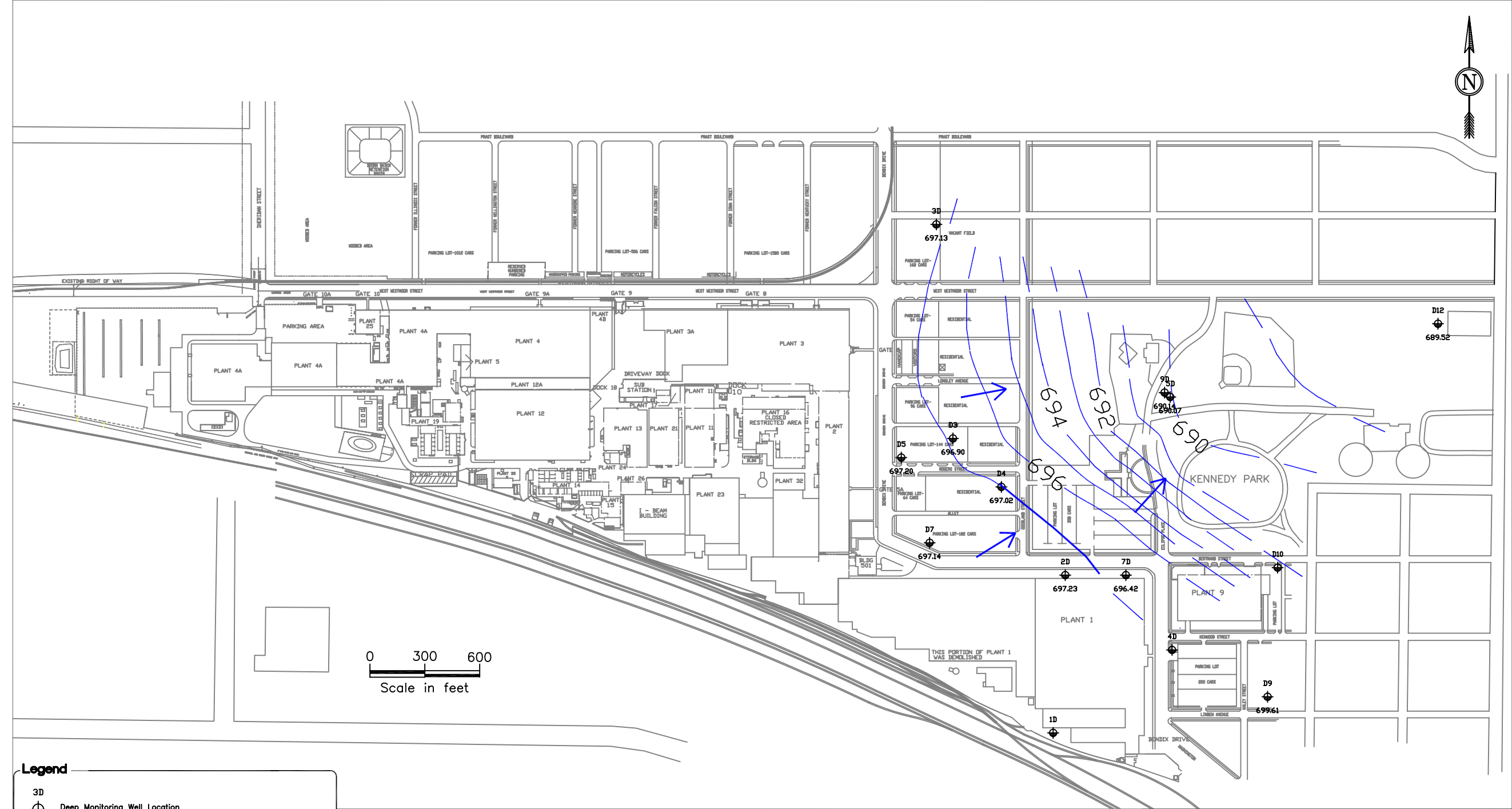
- S5 Shallow Monitoring Well Location
- 78 Total VOC Concentration in Groundwater Sample Collected in May 2010
- 11 Intermediate Monitoring Well
- RVB16 Groundwater Extraction Well Location
- Total VOC In Groundwater Iso-concentration Line 1,000 µg/L
- Total VOC In Groundwater Iso-concentration Line 100 µg/L
- Total VOC In Groundwater Iso-concentration Line 5 µg/L
- VOC's Analyzed by Method 8260
- ND No Detectable Concentrations of VOCs in Groundwater Sample
- NS Not Sampled

DESIGNED BY	JS	3/22/2011
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Figure 4-4
Total VOCs in Groundwater, Shallow Wells - May 2010
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

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0 300 600
Scale in feet

Legend

3D
 Deep Monitoring Well Location
 Groundwater Elevation Measured on November 1, 2010
 695.10

Groundwater Potentiometric Contour, feet above Mean Sea Level
 Note: 4D, 1D, 2D, D9 and D10 not included.

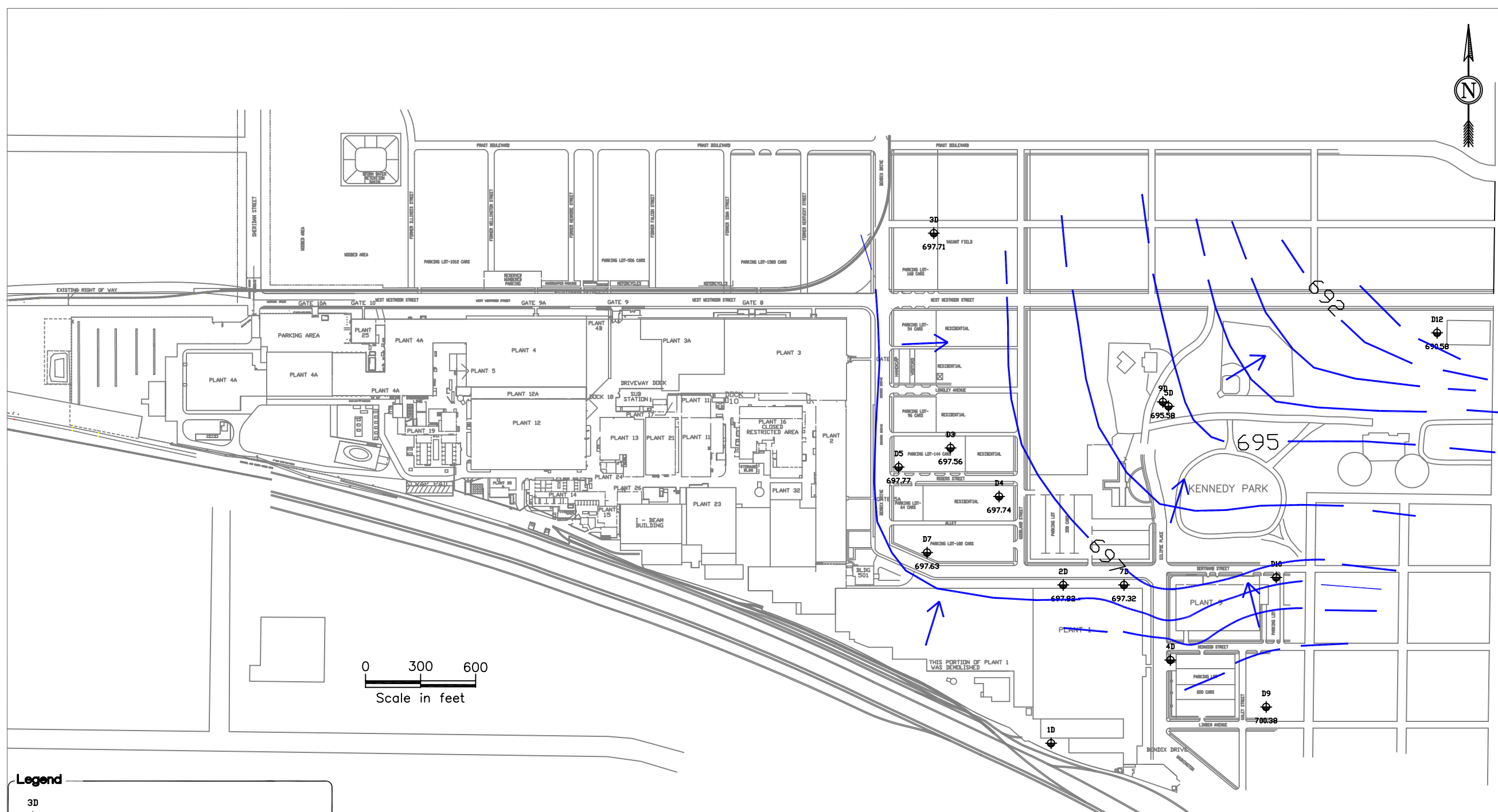
Groundwater Flow Direction

DESIGNED BY	SDM	3/22/2011
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CHKD. BY		

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Figure 4-5
 Potentiometric Surface Map, Deep Wells - November 2010
 Groundwater Monitoring Program
 Honeywell Industrial Complex
 South Bend, Indiana

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0 300 600
Scale in feet

Legend

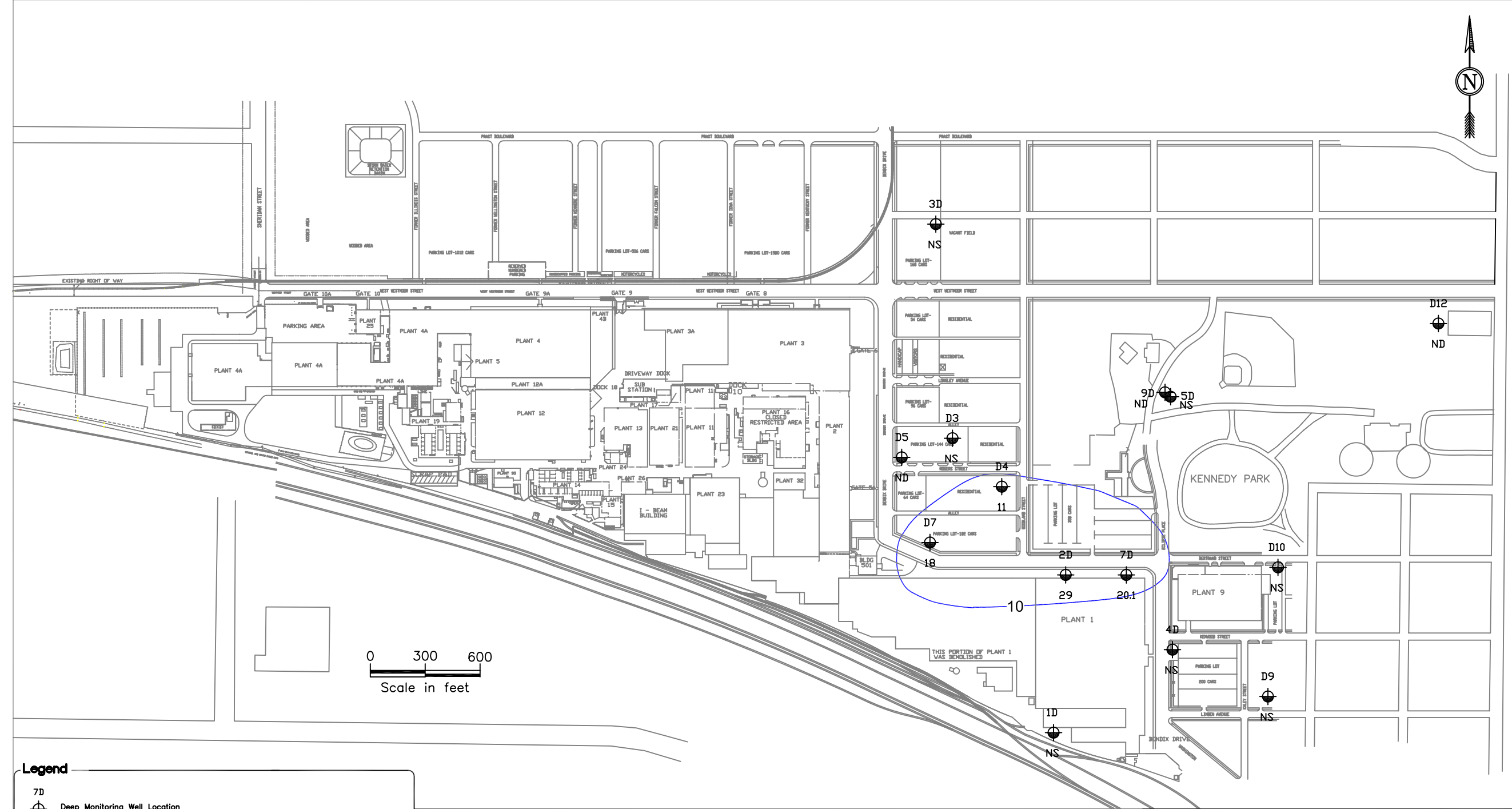
- Deep Monitoring Well Location
 Groundwater Elevation Measured on May 4, 2010
 695.10
- Groundwater Potentiometric Contour, feet above Mean Sea Level
 Note: 4D, 1D and D10 not included.
- Groundwater Flow Direction

DESIGNED BY	SDM	3/22/2011
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Figure 4-6
Potentiometric Surface Map, Deep Wells - May 2010
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

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Legend

- 7D Deep Monitoring Well Location
- 22 Total VOC Concentration in Groundwater Sample Collected in November 2010 (ug/L)
- Total VOC In Groundwater Iso-concentration Line 10 µg/L
VOC's Analyzed by Method 8260
- ND No Detectable Concentrations of VOCs in Groundwater Sample
- NS Not Sampled

DESIGNED BY	JS	3/22/2011
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Figure 4-7
Total VOCs in Groundwater, Deep Wells - November 2010
Groundwater Monitoring Program
Honeywell Industrial Complex
South Bend, Indiana

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APPENDIX A

GROUNDWATER SAMPLING RECORDS



Sample No.: S3 05 10
 Sample Date: 05-May-10
 Sample Time: 12:15

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: BMW
 Activity Start: 11:50 Activity End: 12:26
 Weather: cloudy,60's
 Well Type and Location: 4" stickup by train tracks

WATER LEVEL/WELL DATA

Well Depth: 24.60 feet using _____ Water Depth: 19.82 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
	X	.65 gal/ft (4 in)	3.1	

4.78 2.6 gal/ft (8 in) casing volumes = 9.4 gallons to purge

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>2.33</u>	<u>4.60</u>	<u>7.50</u>	<u>9.32</u>
Time (Min.)	<u>12:01</u>	<u>12:05</u>	<u>12:08</u>	<u>12:10</u>
Temperature (C°)	<u>13.52</u>	<u>13.49</u>	<u>13.44</u>	<u>13.41</u>
pH (Units)	<u>7.61</u>	<u>7.50</u>	<u>7.44</u>	<u>7.44</u>
Conductivity at 25°C (mS/cm)	<u>0.81</u>	<u>0.85</u>	<u>0.85</u>	<u>0.86</u>
ORP (mV)	<u>12.00</u>	<u>-1.00</u>	<u>-9.00</u>	<u>-8.00</u>
Turb (NTU)	<u>29.50</u>	<u>61.65</u>	<u>53.63</u>	<u>56.91</u>
DO (%)	<u>1.97</u>	<u>2.92</u>	<u>3.32</u>	<u>3.56</u>
Total Volume Purged	<u>10.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>slightly cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S4A 05 10
 Sample Date: 03-May-10
 Sample Time: 16:30

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 15:55 Activity End: 16:35
 Weather: cloudy, 60's
 Well Type and Location: flushmount along Bendix

WATER LEVEL/WELL DATA
 Well Depth: 31.60 feet using _____ Water Depth: 12.24 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: OK - Vault concrete falling apart
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 5.3 gallons to purge
		.65 gal/ft (4 in)	1.8		
19.36		2.61 gal/ft (8 in)			

 Purge Method: Peristaltic

Purge Vol. (gal)	1.30	2.60	3.90	5.23
Time (Min.)	16:07	16:17	16:23	16:29
Temperature (C°)	15.59	15.64	15.62	15.61
pH (Units)	7.16	7.15	7.14	7.14
Conductivity at 25°C (mS/cm)	0.79	0.79	0.78	0.79
ORP (mV)	-77.00	-86.00	-88.00	-90.00
Turb (NTU)	44.04	40.87	34.01	32.31
DO (%)	0.03	-0.01	-0.01	-0.03
Total Volume Purged	5.25 gallons			
Water Appearance (describe color, clarity odor):	cloudy, gray, moderate odor			

SAMPLING PROCEDURES
 Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy, small black floaties

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS
 NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S9 05 10
 Sample Date: 05-May-10
 Sample Time: 11:20

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: BMW
 Activity Start: 10:40 Activity End: ###
 Weather: sunny,60's
 Well Type and Location: 4" stickup in parking area

WATER LEVEL/WELL DATA

Well Depth: 21.10 feet using _____ Water Depth: 16.77 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<input type="checkbox"/>	.041 gal/ft (1 in)			
Column feet	<input type="checkbox"/>	.09 gal/ft (1.5 in)			
	<input type="checkbox"/>	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>8.5</u> gallons to purge
	<input checked="" type="checkbox"/>	.65 gal/ft (4 in)	2.8		
4.33		<u>2.61</u> gal/ft (8 in)			

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>2.20</u>	<u>4.40</u>	<u>6.60</u>	<u>8.40</u>
Time (Min.)	<u>11:08</u>	<u>11:11</u>	<u>11:14</u>	<u>11:17</u>
Temperature (C°)	<u>13.97</u>	<u>13.87</u>	<u>13.79</u>	<u>13.89</u>
pH (Units)	<u>7.02</u>	<u>6.96</u>	<u>6.94</u>	<u>6.93</u>
Conductivity at 25°C (mS/cm)	<u>1.23</u>	<u>1.27</u>	<u>1.28</u>	<u>1.28</u>
ORP (mV)	<u>-25.00</u>	<u>-23.00</u>	<u>-19.00</u>	<u>-13.00</u>
Turb (NTU)	<u>48.92</u>	<u>42.91</u>	<u>37.07</u>	<u>33.08</u>
DO (%)	<u>0.26</u>	<u>0.36</u>	<u>0.40</u>	<u>0.41</u>
Total Volume Purged	<u>8.50</u> gallons			
Water Appearance (describe color, clarity odor):	<u>cloudy/orange with floaties</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S14 05 10
 Sample Date: 05-May-10
 Sample Time: 10:25

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: BMW
 Activity Start: 9:55 Activity End: 10:37
 Weather: sunny,60's
 Well Type and Location: 4" stickup in parking area

WATER LEVEL/WELL DATA

Well Depth: 20.20 feet using _____ Water Depth: 15.36 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 9.5 gallons to purge
	X	.65 gal/ft (4 in)	3.2	

4.84 2.61 gal/ft (8 in)

Purge Method: Disposable Bailer

Purge Vol. (gal)	<u>2.36</u>	<u>4.72</u>	<u>7.08</u>	<u>9.44</u>
Time (Min.)	<u>10:11</u>	<u>10:14</u>	<u>10:17</u>	<u>10:20</u>
Temperature (C°)	<u>14.04</u>	<u>14.01</u>	<u>14.06</u>	<u>14.11</u>
pH (Units)	<u>6.88</u>	<u>6.87</u>	<u>6.87</u>	<u>6.86</u>
Conductivity at 25°C (mS/cm)	<u>1.20</u>	<u>1.19</u>	<u>1.19</u>	<u>1.19</u>
ORP (mV)	<u>-18.00</u>	<u>-47.00</u>	<u>-43.00</u>	<u>-40.00</u>
Turb (NTU)	<u>81.27</u>	<u>95.17</u>	<u>32.99</u>	<u>42.09</u>
DO (%)	<u>0.17</u>	<u>0.12</u>	<u>0.07</u>	<u>0.05</u>
Total Volume Purged	<u>10.00</u> gallons			
Water Appearance (describe color, clarity odor:)	<u>cloudy/orange</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: **S15 05 10**
 Sample Date: **05-May-10**
 Sample Time: **9:45**

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: BMW
 Activity Start: 9:10 Activity End: 9:50
 Weather: sunny, 60's
 Well Type and Location: 4" stickup in parking lot

WATER LEVEL/WELL DATA

Well Depth: 22.00 feet using _____ Water Depth: 18.4 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 7.0 gallons to purge
	X	.65 gal/ft (4 in)	2.3	
3.6		<u>2.6 gal/ft (8 in)</u>		

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>1.76</u>	<u>3.52</u>	<u>5.28</u>	<u>7.02</u>
Time (Min.)	<u>9:29</u>	<u>9:32</u>	<u>9:34</u>	<u>9:40</u>
Temperature (C°)	<u>14.18</u>	<u>14.16</u>	<u>14.16</u>	<u>14.17</u>
pH (Units)	<u>6.89</u>	<u>6.88</u>	<u>6.87</u>	<u>6.87</u>
Conductivity at 25°C (mS/cm)	<u>1.33</u>	<u>1.33</u>	<u>1.35</u>	<u>1.34</u>
ORP (mV)	<u>220.00</u>	<u>188.00</u>	<u>95.00</u>	<u>49.00</u>
Turb (NTU)	<u>18.91</u>	<u>22.63</u>	<u>43.68</u>	<u>60.01</u>
DO (%)	<u>0.61</u>	<u>0.51</u>	<u>0.41</u>	<u>0.44</u>
Total Volume Purged	<u>7.25 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>moderately cloudy/orange</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic

Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S16 05 10
 Sample Date: 03-May-10
 Sample Time: 15:45

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 14:57 Activity End: 15:50
 Weather: partly sunny,60's
 Well Type and Location: flushmount along Bendix

WATER LEVEL/WELL DATA

Well Depth: 18.70 feet using _____ Water Depth: 15.04 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 7.2 gallons to purge
	X	.65 gal/ft (4 in)	2.4	

3.66 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>1.75</u>	<u>3.50</u>	<u>5.25</u>	<u>7.14</u>
Time (Min.)	<u>15:06</u>	<u>15:15</u>	<u>15:32</u>	<u>15:38</u>
Temperature (C°)	<u>16.23</u>	<u>16.26</u>	<u>16.07</u>	<u>15.88</u>
pH (Units)	<u>7.54</u>	<u>7.35</u>	<u>7.36</u>	<u>7.30</u>
Conductivity at 25°C (mS/cm)	<u>0.72</u>	<u>1.62</u>	<u>1.70</u>	<u>1.70</u>
ORP (mV)	<u>180.00</u>	<u>190.00</u>	<u>167.00</u>	<u>131.00</u>
Turb (NTU)	<u>27.12</u>	<u>75.32</u>	<u>23.31</u>	<u>59.68</u>
DO (%)	<u>1.74</u>	<u>1.46</u>	<u>1.51</u>	<u>1.53</u>
Total Volume Purged	<u>7.25 gallons</u>			
Water Appearance (describe color, clarity odor:)	<u>slightly cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S17 05 10
 Sample Date: 05-May-10
 Sample Time: 14:40

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 14:15 Activity End: 14:50
 Weather: Rain on and off, 60's
 Well Type and Location: 4" stickup along Bendix

WATER LEVEL/WELL DATA

Well Depth: 19.10 feet using _____ Water Depth: 18.08 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column	feet	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	<u>3</u>
	X	.65 gal/ft (4 in)	0.7	casing volumes = <u>2.0</u> gallons to purge

1.02 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.50</u>	<u>1.00</u>	<u>1.50</u>	<u>2.00</u>
Time (Min.)	<u>14:28</u>	<u>14:30</u>	<u>14:34</u>	<u>14:37</u>
Temperature (C°)	<u>14.05</u>	<u>14.03</u>	<u>14.01</u>	<u>14.08</u>
pH (Units)	<u>7.02</u>	<u>7.00</u>	<u>6.98</u>	<u>6.97</u>
Conductivity at 25°C (mS/cm)	<u>2.10</u>	<u>2.09</u>	<u>2.09</u>	<u>2.09</u>
ORP (mV)	<u>-81.00</u>	<u>-85.00</u>	<u>-86.00</u>	<u>-85.00</u>
Turb (NTU)	<u>75.86</u>	<u>125.90</u>	<u>141.50</u>	<u>119.70</u>
DO (%)	<u>0.18</u>	<u>0.08</u>	<u>0.03</u>	<u>0.01</u>
Total Volume Purged	<u>2.50</u> gallons			
Water Appearance (describe color, clarity odor):	<u>cloudy/brown</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): cloudy/orange

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS

MW-101 = Duplicate sample NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S20 05 10
 Sample Date: 04-May-10
 Sample Time: 11:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 10:30 Activity End: 11:15
 Weather: sunny,50's
 Well Type and Location: manhole corner of Westmoor & Goodland

WATER LEVEL/WELL DATA

Well Depth: 18.80 feet using _____ Water Depth: 13.84 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column	feet	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
	X	.65 gal/ft (4 in)	3.2	
4.96		<u>2.6 gal/ft (8 in)</u>		

casing volumes = 9.7 gallons to purge

Purge Method: Disposable Bailer

Purge Vol. (gal)	2.60	5.20	7.80	10.50
Time (Min.)	10:46	10:50	10:54	10:59
Temperature (C°)	11.30	11.30	11.27	11.30
pH (Units)	7.17	7.09	7.06	7.05
Conductivity at 25°C (mS/cm)	0.80	0.82	0.82	0.83
ORP (mV)	-20.00	-23.00	-20.00	-17.00
Turb (NTU)	22.64	30.69	88.24	188.30
DO (%)	0.40	0.42	0.38	0.32
Total Volume Purged	11.00 gallons			
Water Appearance (describe color, clarity odor):	cloudy			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

MW-102 = Duplicate sample NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S21 05 10
 Sample Date: 04-May-10
 Sample Time: 10:15

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 9:30 Activity End: 10:25
 Weather: sunny,50's
 Well Type and Location: flushmount in park

WATER LEVEL/WELL DATA

Well Depth: 23.40 feet using _____ Water Depth: 21.14 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
	X	.65 gal/ft (4 in)	1.5	

2.26 2.6 gal/ft (8 in) casing volumes = 4.4 gallons to purge

Purge Method: Peristaltic

Purge Vol. (gal)	1.10	2.20	3.30	4.40
Time (Min.)	9:57	10:03	10:08	10:14
Temperature (C°)	12.00	11.88	11.87	11.81
pH (Units)	7.02	7.07	7.08	7.10
Conductivity at 25°C (mS/cm)	1.15	1.11	1.09	1.05
ORP (mV)	-93.00	-100.00	-101.00	-103.00
Turb (NTU)	166.70	514.20	193.00	169.30
DO (%)	0.05	0.06	0.00	-0.01
Total Volume Purged	4.50 gallons			
Water Appearance (describe color, clarity odor):	cloudy			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear, few small floaties

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S22 05 10
 Sample Date: 14-Apr-10
 Sample Time: 11:07

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 10:00 Activity End: 11:25
 Weather: Sunny, 50's
 Well Type and Location: 4" inside manhole/Kennedy Park

WATER LEVEL/WELL DATA

Well Depth: 26.00 feet using _____ Water Depth: 13.45 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	_____	.041 gal/ft (1 in)			
Column feet	_____	.09 gal/ft (1.5 in)			
	_____	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>24.6</u> gallons to purge
	X _____	.65 gal/ft (4 in)	8.2		

12.55 2.6 gal/ft (8 in)

Purge Method: Peristaltic and disposable bailer

Purge Vol. (gal)	<u>6.10</u>	<u>12.20</u>	<u>18.30</u>	<u>24.50</u>
Time (Min.)	<u>10:41</u>	<u>10:49</u>	<u>10:56</u>	<u>11:04</u>
Temperature (C°)	<u>11.47</u>	<u>11.71</u>	<u>11.77</u>	<u>11.80</u>
pH (Units)	<u>6.77</u>	<u>6.73</u>	<u>6.72</u>	<u>6.73</u>
Conductivity at 25°C (mS/cm)	<u>1.12</u>	<u>1.07</u>	<u>1.07</u>	<u>1.07</u>
ORP (mV)	<u>-158.00</u>	<u>-153.00</u>	<u>-156.00</u>	<u>-160.00</u>
Turb (NTU)	<u>43.90</u>	<u>42.38</u>	<u>34.12</u>	<u>34.42</u>
DO (%)	<u>-0.05</u>	<u>-0.05</u>	<u>-0.05</u>	<u>-0.05</u>
Total Volume Purged	<u>25.00</u> gallons			
Water Appearance (describe color, clarity odor;)	<u>black</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic

Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>	_____	<u>HCL/</u>	<u>N</u>	<u>Y</u>
Diss. Metals	_____	<u>1 1 L Poly</u>	_____	<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	_____	<u>1 250 ml amber</u>	_____	<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	_____	<u>1 250 ml Poly</u>	_____	<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS

Biotrap deployed @ 11:20. Biotrap set @ 23.5' btoc. NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S23 05 10
 Sample Date: 14-Apr-10
 Sample Time: 13:15

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 12:40 Activity End: 14:04
 Weather: sunny, 50's
 Well Type and Location: 4" inside manhole/Kennedy Park

WATER LEVEL/WELL DATA

Well Depth: 28.20 feet using _____ Water Depth: 16.28 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 23.3 gallons to purge
	X	.65 gal/ft (4 in)	7.8	
11.92		2.6 gal/ft (8 in)		

Purge Method: peristaltic & disposable bailer

Purge Vol. (gal)	5.81	11.62	17.43	23.24
Time (Min.)	12:49	12:58	13:04	13:14
Temperature (C°)	12.47	12.53	12.49	12.51
pH (Units)	7.11	7.11	7.10	7.13
Conductivity at 25°C (mS/cm)	0.59	0.59	0.59	0.60
ORP (mV)	-143.00	-144.00	-144.00	-150.00
Turb (NTU)	43.89	37.21	26.25	19.10
DO (%)	-0.02	-0.04	-0.04	-0.05

Total Volume Purged 24.00 gallons

Water Appearance (describe color, clarity odor) gray, cloudy

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic

Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
Diss. Metals		1 1 L Poly		HNO3/	Y	Y
T. Phenols		1 250 ml amber		H2SO4/	N	Y
T. Cyanide		1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

Biotrap deployed @ 13:50. Biotrap set @ 25.75' btoc NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: **S24 05 10**
 Sample Date: **03-May-10**
 Sample Time: **17:10**

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 16:35 Activity End: 17:21
 Weather: partly sunny,60's
 Well Type and Location: flushmount in park

WATER LEVEL/WELL DATA
 Well Depth: 21.40 feet using _____ Water Depth: 15.05 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)	
Column feet	X	.09 gal/ft (1.5 in)	
		.16 gal/ft (2 in)	
		.65 gal/ft (4 in)	

 X 3 casing volumes = 1.7 gallons to purge
0.6
6.35 2.6 gal/ft (8 in)
 Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.43</u>	<u>0.86</u>	<u>1.29</u>	<u>1.71</u>
Time (Min.)	<u>16:56</u>	<u>17:01</u>	<u>17:05</u>	<u>17:09</u>
Temperature (C°)	<u>12.52</u>	<u>12.39</u>	<u>12.35</u>	<u>12.36</u>
pH (Units)	<u>7.24</u>	<u>6.97</u>	<u>6.96</u>	<u>6.95</u>
Conductivity at 25°C (mS/cm)	<u>1.79</u>	<u>1.78</u>	<u>1.71</u>	<u>1.79</u>
ORP (mV)	<u>-38.00</u>	<u>-44.00</u>	<u>-46.00</u>	<u>-47.00</u>
Turb (NTU)	<u>24.73</u>	<u>16.17</u>	<u>14.52</u>	<u>15.89</u>
DO (%)	<u>0.33</u>	<u>0.17</u>	<u>0.11</u>	<u>0.07</u>
Total Volume Purged	<u>1.75</u> gallons			
Water Appearance (describe color, clarity odor;)	<u>moderately cloudy</u>			

SAMPLING PROCEDURES
 Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS
 NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S25 05 10
 Sample Date: 04-May-10
 Sample Time: 12:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 11:26 Activity End: 12:10
 Weather: sunny,50's
 Well Type and Location: flushmount along Goodland in park

WATER LEVEL/WELL DATA

Well Depth: 26.80 feet using _____ Water Depth: 14 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)

Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet

Floating Product Thickness: _____ feet using _____
 (measuring device)

Well Condition: Missing well vault cover

Measuring Device Decontamination Procedure: Alconox & DI Rinse

PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
		.65 gal/ft (4 in)	1.2	

casing volumes = 3.5 gallons to purge

12.8 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	0.86	1.72	2.58	3.50
Time (Min.)	11:37	11:43	11:49	11:55
Temperature (C°)	12.70	12.78	12.80	12.79
pH (Units)	7.03	7.02	7.02	7.02
Conductivity at 25°C (mS/cm)	1.02	1.02	1.02	1.02
ORP (mV)	-37.00	-41.00	-44.00	-45.00
Turb (NTU)	52.46	28.00	19.61	17.15
DO (%)	0.03	0.01	0.00	-0.03

Total Volume Purged 3.50 gallons

Water Appearance (describe color, clarity odor): black

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic

Sample Water Appearance (color, clarity, odor): slightly cloudy/slight odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S26 05 10
 Sample Date: 03-May-10
 Sample Time: 18:45

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 18:15 Activity End: 18:57
 Weather: cloudy,60's
 Well Type and Location: 1.5" flushmount behind white building

WATER LEVEL/WELL DATA

Well Depth: 26.90 feet using _____ Water Depth: 16.93 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
		.65 gal/ft (4 in)		

0.9 casing volumes = 2.7 gallons to purge

9.97 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.67</u>	<u>1.34</u>	<u>2.01</u>	<u>2.69</u>
Time (Min.)	<u>18:26</u>	<u>18:32</u>	<u>18:36</u>	<u>18:43</u>
Temperature (C°)	<u>14.95</u>	<u>15.01</u>	<u>14.73</u>	<u>15.15</u>
pH (Units)	<u>7.13</u>	<u>7.12</u>	<u>7.12</u>	<u>7.11</u>
Conductivity at 25°C (mS/cm)	<u>0.66</u>	<u>0.68</u>	<u>0.76</u>	<u>0.86</u>
ORP (mV)	<u>2.00</u>	<u>2.00</u>	<u>4.00</u>	<u>4.00</u>
Turb (NTU)	<u>23.33</u>	<u>27.34</u>	<u>15.91</u>	<u>9.25</u>
DO (%)	<u>0.08</u>	<u>0.06</u>	<u>0.03</u>	<u>0.01</u>
Total Volume Purged	<u>2.70</u> gallons			
Water Appearance (describe color, clarity odor):	<u>cloudy/brown</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): Moderate cloudy/yellow orange tint

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S27 05 10
 Sample Date: 03-May-10
 Sample Time: 17:57

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 17:21 Activity End: 16:06
 Weather: cloudy,60's
 Well Type and Location: flushmount in park

WATER LEVEL/WELL DATA

Well Depth: 27.90 feet using _____ Water Depth: 17.75 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: missing vault lid
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
	X	.16 gal/ft (2 in)	X	3 casing volumes = 5.0 gallons to purge
		.65 gal/ft (4 in)	1.7	
10.15		2.6 gal/ft (8 in)		

Purge Method: Peristaltic

Purge Vol. (gal)	1.20	2.40	3.60	4.90
Time (Min.)	17:39	17:44	17:48	17:55
Temperature (C°)	13.14	13.10	13.08	13.02
pH (Units)	6.99	6.98	6.98	6.97
Conductivity at 25°C (mS/cm)	1.16	1.16	1.16	1.16
ORP (mV)	-42.00	-46.00	-50.00	-53.00
Turb (NTU)	19.85	16.87	19.72	39.93
DO (%)	0.03	0.02	0.00	-0.02
Total Volume Purged	5.00 gallons			
Water Appearance (describe color, clarity odor):	slightly cloudy			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S28 05 10
 Sample Date: 03-May-10
 Sample Time: 14:40

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 13:52 Activity End: 14:55
 Weather: sunny,60's
 Well Type and Location: flushmount along Bendix

WATER LEVEL/WELL DATA

Well Depth: 23.50 feet using _____ Water Depth: 14.4 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 4.5 gallons to purge
		.65 gal/ft (4 in)	1.5		
	9.1	2.6 gal/ft (8 in)			

Purge Method: Peristaltic

Purge Vol. (gal)	1.10	2.20	3.40	4.40
Time (Min.)	14:15	14:20	14:26	14:38
Temperature (C°)	16.71	16.29	16.66	16.47
pH (Units)	7.17	7.23	7.24	7.26
Conductivity at 25°C (mS/cm)	3.08	2.86	2.72	2.47
ORP (mV)	212.00	199.00	195.00	188.00
Turb (NTU)	2.33	15.48	17.73	24.01
DO (%)	0.26	0.84	0.74	0.32
Total Volume Purged	4.50 gallons			
Water Appearance (describe color, clarity odor):	clear to slightly cloudy			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: EW-1 05 10
 Sample Date: 04-May-10
 Sample Time: 17:10

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 16:54 Activity End: 17:45
 Weather: sunny, 70's
 Well Type and Location: Extraction well

WATER LEVEL/WELL DATA

Well Depth: 56.30 feet using _____ Water Depth: 26.58 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	.041 gal/ft (1 in)			
Column feet	.09 gal/ft (1.5 in)			
	.16 gal/ft (2 in)	X	3	casing volumes = - gallons to purge
	.85 gal/ft (4 in)	-		
29.72	2.6 gal/ft (8 in)			

Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>17:29</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>17.10</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.10</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1559.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>85.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>1099.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>-</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u>			<u>gallons</u>
Water Appearance (describe color, clarity odor):	<u>cloudy, orange/green tint</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): cloudy, lots of bubbles/foamy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: EW-2 05 10
 Sample Date: 06-May-10
 Sample Time: 11:40

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 11:30 Activity End: 13:00
 Weather: sunny, 50's
 Well Type and Location: extraction well manhole along Bendix

WATER LEVEL/WELL DATA

Well Depth 43.20 feet using _____ Water Depth: 15.99 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
27.21 _____ 2.6 gal/ft (8 in)
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>11:40</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>15.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.11</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1082.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-60.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>753.80</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>-</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>8.00</u>	<u>gallons</u>		
Water Appearance (describe color, clarity odor):	<u>clear</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): clear with slight yellow tint

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	<u>N</u>	<u>Y</u>
SVOC	625	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
Pesticides, PCBs	608	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	<u>N</u>	<u>Y</u>
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	<u>N</u>	<u>Y</u>
BOD	5210B	1 1 L Poly		-/	<u>N</u>	<u>Y</u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
TSS	2540D	1 250 ml Poly		-/	<u>N</u>	<u>Y</u>

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons.
 NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-3 05 10
 Sample Date: 04-May-10
 Sample Time: 16:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 15:00 Activity End: 16:50
 Weather: sunny,70's
 Well Type and Location: Extraction well manhole along Bendix

WATER LEVEL/WELL DATA

Well Depth 30.60 feet using _____ Water Depth: 17.81 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: _____
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in) -
12.79 2.6 gal/ft (8 in)
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>16:30</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>18.60</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.03</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>2790.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-52.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>2070.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>-</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>8.00</u>			
Water Appearance (describe color, clarity odor):	<u>moderate cloudy, yellow tint</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons.
 NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-4 05 10
 Sample Date: 07-May-10
 Sample Time: 10:05

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 9:45 Activity End: 10:15
 Weather: rain/thunder, 50's
 Well Type and Location: Extraction well by black trailer

WATER LEVEL/WELL DATA

Well Depth: 49.00 feet using _____ Water Depth: 27.62 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	_____	.041 gal/ft (1 in)			
Column feet	_____	.09 gal/ft (1.5 in)			
	_____	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = - _____ gallons to purge
	_____	.65 gal/ft (4 in)	-		
	_____	2.6 gal/ft (8 in)			

21.38
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>9:52</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>13.26</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>6.76</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>0.71</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>136.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>11.19</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>1.35</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u>	<u>gallons</u>		
Water Appearance (describe color, clarity odor)	<u>clear</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons. BOD Resampled on 5/21/10. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: EW-5 05 10
 Sample Date: 07-May-10
 Sample Time: 12:05

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 11:30 Activity End: 12:30
 Weather: rain, 50's
 Well Type and Location: Extraction well in manhole along Bendix

WATER LEVEL/WELL DATA

Well Depth 57.00 feet using _____ Water Depth: 15.46 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
41.54 2.6 gal/ft (8 in)
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>12:03</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.20</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.22</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>2.30</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>111.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>17.79</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>2.65</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>8.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons. BOD resampled on 5/21/10.
 NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: RWB-16 05 10
 Sample Date: 06-May-10
 Sample Time: 9:30

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 8:15 Activity End: 9:20
 Weather: sunny, 50's
 Well Type and Location: Recovery well inside Honeywell

WATER LEVEL/WELL DATA

Well Depth: 23.60 feet using _____ Water Depth: 29.74 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 Pl Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
-6.14 2.6 gal/ft (8 in)
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>9:08</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>12.80</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>5.82</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1326.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-109.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>934.50</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>-</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>gray/strong odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): moderately cloudy, slight odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons.
 NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: RWB-23 05 10
 Sample Date: 06-May-10
 Sample Time: 9:50

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 9:30 Activity End: 10:00
 Weather: sunny, 50's
 Well Type and Location: Recovery well by Dock 10

WATER LEVEL/WELL DATA

Well Depth 49.80 feet using _____ Water Depth: 20.5 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
29.3 _____ 2.6 gal/ft (8 in)
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>9:45</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.10</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>6.99</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1401.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-125.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>982.20</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>-</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>9.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>clear/moderate to strong odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): clear/moderate to strong odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: E3A 05 10
 Sample Date: 04-May-10
 Sample Time: 18:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 17:50 Activity End: 19:00
 Weather: sunny,70's
 Well Type and Location: Recovery well by Stinky Stairs

WATER LEVEL/WELL DATA

Well Depth NM feet using _____ Water Depth: 21.1 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in) -
#VALUE! 2.6 gal/ft (8 in)
 Purge Method: ISCO 24 hour composite/spigot

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>18:07</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.60</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.07</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1249.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-244.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>876.90</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>-</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u>	<u>gallons</u>		
Water Appearance (describe color, clarity odor)	<u>cloudy/strong odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic from 24 hour composite jug/spigot
 Sample Water Appearance (color, clarity, odor): slightly cloudy/odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>624</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
SVOC	<u>625</u>	<u>2 1 L Amber</u>		<u>-/</u>	<u>N</u>	<u>Y</u>
Pesticides, PCBs	<u>608</u>	<u>2 1 L Amber</u>		<u>-/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>4500 CN-E</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
T. O&G (FOG)	<u>1664-HEM</u>	<u>2 1 L Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
TPH O&G	<u>1664-SGT HEM</u>	<u>2 1 L Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
Ammonia, Nitrogen	<u>4500 NH3-F</u>	<u>1 250 ml Poly</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Metals	<u>200.7/200.8</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>N</u>	<u>Y</u>
BOD	<u>5210B</u>	<u>1 1 L Poly</u>		<u>-/</u>	<u>N</u>	<u>Y</u>
Phosphorus	<u>365.1</u>	<u>1 250 ml Poly</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
TSS	<u>2540D</u>	<u>1 250 ml Poly</u>		<u>-/</u>	<u>N</u>	<u>Y</u>

OTHER OBSERVATIONS

ISCO used to collect 24-hour composite sample. Grab samples were collected from spigot after purging ~ 5 gallons.
 NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 7D 05 10
 Sample Date: 05-May-10
 Sample Time: 9:55

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 9:17 Activity End: -
 Weather: sunny, mild, breezy,
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 95.10 feet using _____ Water Depth: 15.38 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
	X	.16 gal/ft (2 in)	X	3 casing volumes = 39.0 gallons to purge
		.65 gal/ft (4 in)	13.0	
79.72		2.6 gal/ft (8 in)		

Purge Method: Grundfos & Disposable bailer

Purge Vol. (gal)	<u>13.00</u>	<u>26.00</u>	<u>34.00</u>	<u>39.00</u>
Time (Min.)	<u>9:22</u>	<u>9:28</u>	<u>9:31</u>	<u>9:55</u>
Temperature (C°)	<u>17.30</u>	<u>17.00</u>	<u>17.00</u>	<u>16.90</u>
pH (Units)	<u>6.99</u>	<u>7.13</u>	<u>7.13</u>	<u>7.10</u>
Conductivity at 25°C (mS/cm)	<u>1443.00</u>	<u>1434.00</u>	<u>1431.00</u>	<u>1635.00</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>39.00 gallons</u>			
Water Appearance (describe color, clarity odor;)	<u>rusty, no odor, then clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: disposable bailer

Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

Duplicate sample = MW-103 NAME (Print) Megan McMeans

SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 9D 05 10
 Sample Date: 05-May-10
 Sample Time: 8:10

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 7:36 Activity End: -
 Weather: sunny, breezy, mild,
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 96.90 feet using _____ Water Depth: 16.62 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 39.3 gallons to purge
		.65 gal/ft (4 in)	13.1		
	80.28	2.6 gal/ft (8 in)			

Purge Method: Grundfos & Disposable bailer

Purge Vol. (gal)	<u>13.00</u>	<u>26.00</u>	<u>34.00</u>	<u>39.00</u>
Time (Min.)	<u>7:41</u>	<u>7:46</u>	<u>7:49</u>	<u>8:10</u>
Temperature (C°)	<u>13.20</u>	<u>13.10</u>	<u>13.10</u>	<u>12.80</u>
pH (Units)	<u>7.66</u>	<u>7.54</u>	<u>7.59</u>	<u>7.49</u>
Conductivity at 25°C (mS/cm)	<u>602.10</u>	<u>600.50</u>	<u>601.70</u>	<u>580.90</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>40.00</u> gallons			
Water Appearance (describe color, clarity odor;)	<u>cloudy with gray sediment</u>			

SAMPLING PROCEDURES

Sampling Procedure: disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: D4 05 10
 Sample Date: 04-May-10
 Sample Time: 15:01

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 13:38 Activity End: -
 Weather: warm, breezy, clear,
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 118.60 feet using _____ Water Depth: 20.11 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)

Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 192.9 gallons to purge
	X	.65 gal/ft (4 in)	64.3	
98.49		2.6 gal/ft (8 in)		

Purge Method: Grundfos & Disposable bailer

Purge Vol. (gal)	<u>64.00</u>	<u>128.00</u>	<u>187.00</u>	<u>192.00</u>
Time (Min.)	<u>14:00</u>	<u>14:22</u>	<u>14:42</u>	<u>15:01</u>
Temperature (C°)	<u>16.50</u>	<u>16.50</u>	<u>16.30</u>	<u>17.30</u>
pH (Units)	<u>7.53</u>	<u>7.41</u>	<u>7.40</u>	<u>8.32</u>
Conductivity at 25°C (mS/cm)	<u>971.20</u>	<u>1042.00</u>	<u>1043.00</u>	<u>289.70</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>193.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>-</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

Collect MS/MSD _____ NAME (Print) Megan McMeans
 SIGNATURE: _____

Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: D5 05 10
 Sample Date: 04-May-10
 Sample Time: 12:35

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 10:22 Activity End: -
 Weather: mild, mlear,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 186.80 feet using _____ Water Depth: 14.3 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 337.8 gallons to purge
	X	.65 gal/ft (4 in)	112.6	
	172.5	2.6 gal/ft (8 in)		

Purge Method: Grundfos and Disposable bailer

Purge Vol. (gal)	<u>112.00</u>	<u>224.00</u>	<u>331.00</u>	<u>336.00</u>
Time (Min.)	<u>11:00</u>	<u>11:38</u>	<u>12:14</u>	<u>12:35</u>
Temperature (C°)	<u>15.20</u>	<u>15.30</u>	<u>15.80</u>	<u>17.10</u>
pH (Units)	<u>7.59</u>	<u>7.69</u>	<u>7.72</u>	<u>8.60</u>
Conductivity at 25°C (mS/cm)	<u>436.10</u>	<u>458.10</u>	<u>464.20</u>	<u>253.30</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>338.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): =

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

Duplicate sample = MW-100 NAME (Print) Megan McMeans
 SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: D7 05 10
 Sample Date: 04-May-10
 Sample Time: 9:49

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 8:30 Activity End: -
 Weather: mild, clear sky,
 Well Type and Location: monitor well

WATER LEVEL/WELL DATA

Well Depth: 78.40 feet using _____ Water Depth: 12.25 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 129.5 gallons to purge
	X	.65 gal/ft (4 in)	43.2	
		66.15		
		2.6 gal/ft (8 in)		

Purge Method: Grundfos and disposable bailer

Purge Vol. (gal)	<u>43.00</u>	<u>86.00</u>	<u>124.00</u>	<u>129.00</u>
Time (Min.)	<u>8:45</u>	<u>9:00</u>	<u>9:13</u>	<u>9:49</u>
Temperature (C°)	<u>16.30</u>	<u>16.80</u>	<u>16.20</u>	<u>13.80</u>
pH (Units)	<u>7.16</u>	<u>7.29</u>	<u>7.26</u>	<u>8.12</u>
Conductivity at 25°C (mS/cm)	<u>622.80</u>	<u>625.10</u>	<u>630.10</u>	<u>305.50</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>130.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>a little cloudy, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: disposable bailer
 Sample Water Appearance (color, clarity, odor): rusty, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: D8 05 10
 Sample Date: 05-May-10
 Sample Time: 10:48

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 15:59 Activity End: -
 Weather: -
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 61.90 feet using _____ Water Depth: 15.43 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)

Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet

Floating Product Thickness: _____ feet using _____
 (measuring device)

Well Condition: -

Measuring Device Decontamination Procedure: Alconox & DI Rinse

PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 91.0 gallons to purge
	X	.65 gal/ft (4 in)	30.3	
46.47		<u>2.6 gal/ft (8 in)</u>		

Purge Method: Grundfos and disposable bailer

Purge Vol. (gal)	<u>30 (5/4/10)</u>	<u>na</u>	<u>na</u>	<u>5 (5/5/10)</u>
Time (Min.)	<u>16:09</u>	<u>na</u>	<u>na</u>	<u>10:48</u>
Temperature (C°)	<u>20.90</u>	<u>na</u>	<u>na</u>	<u>21.00</u>
pH (Units)	<u>8.11</u>	<u>na</u>	<u>na</u>	<u>8.02</u>
Conductivity at 25°C (mS/cm)	<u>717.50</u>	<u>na</u>	<u>na</u>	<u>737.70</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>35.00 gallons</u>			
Water Appearance (describe color, clarity odor:)	<u>clear, no odor, turning cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer

Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

Grundfos pumped dry after 10 minutes @ 3 GPM. NAME (Print) Megan McMeans
 Returned following morning to resample with bailer.

SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: D12 05 10
 Sample Date: 05-May-10
 Sample Time: 13:49

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 12:01 Activity End: -
 Weather: mild, partly cloudy, breezy,
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 147.10 feet using _____ Water Depth: 19.77 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 249.3 gallons to purge
	X	.65 gal/ft (4 in)	83.1	

127.33 2.6 gal/ft (8 in)
 Purge Method: Grundfos & disposable bailer

Purge Vol. (gal)	83.00	166.00	244.00	249.00
Time (Min.)	12:29	12:57	13:23	13:49
Temperature (C°)	17.50	15.70	16.60	17.50
pH (Units)	7.29	7.37	7.54	7.35
Conductivity at 25°C (mS/cm)	1116.00	1126.00	1136.00	1122.00
ORP (mV)	na	na	na	na
Turb (NTU)	na	na	na	na
DO (%)	na	na	na	na
Total Volume Purged	250.00 gallons			
Water Appearance (describe color, clarity odor):	clear, no odor			

SAMPLING PROCEDURES

Sampling Procedure: disposable bailer
 Sample Water Appearance (color, clarity, odor): gray & cloudy, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: 2D 05 10
 Sample Date: 03-May-10
 Sample Time: 20:45

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 19:13 Activity End: 21:00
 Weather: cloudy, 60's
 Well Type and Location: flushmount along Bendix

WATER LEVEL/WELL DATA
 Well Depth: 188.30 feet using _____ Water Depth: 14.97 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
		.65 gal/ft (4 in)		

 casing volumes = 47.7 gallons to purge
173.33 2.6 gal/ft (8 in)
 Purge Method: Air lift/peristaltic

Purge Vol. (gal)	<u>11.70</u>	<u>23.40</u>	<u>35.10</u>	<u>46.80</u>
Time (Min.)	<u>20:05</u>	<u>20:16</u>	<u>20:27</u>	<u>20:40</u>
Temperature (C°)	<u>15.06</u>	<u>14.65</u>	<u>14.60</u>	<u>14.71</u>
pH (Units)	<u>7.04</u>	<u>7.05</u>	<u>7.07</u>	<u>7.07</u>
Conductivity at 25°C (mS/cm)	<u>1.05</u>	<u>1.04</u>	<u>1.02</u>	<u>1.40</u>
ORP (mV)	<u>-82.00</u>	<u>-85.00</u>	<u>-76.00</u>	<u>-82.00</u>
Turb (NTU)	<u>23.81</u>	<u>195.10</u>	<u>788.40</u>	<u>553.60</u>
DO (%)	<u>0.45</u>	<u>0.46</u>	<u>0.42</u>	<u>0.44</u>
Total Volume Purged	<u>47.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>slight cloudy progressed to cloudy</u>			

SAMPLING PROCEDURES
 Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS
 Peristaltic intake located approximately 50' below air lift injection point NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-2 05 10
 Sample Date: 05-May-10
 Sample Time: 18:55

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 18:35 Activity End: 19:00
 Weather: cloudy,60's
 Well Type and Location: 2" flushmount near Carbon Brake

WATER LEVEL/WELL DATA

Well Depth: 15.40 feet using Water Depth: 11.19 feet using
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: feet Protective Casing Stickup: feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: feet
 Floating Product Thickness: feet using
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u> </u>	.041 gal/ft (1 in)			
Column feet	<u> </u>	.09 gal/ft (1.5 in)			
	<u> X </u>	.16 gal/ft (2 in)	X	<u> 3 </u>	casing volumes = <u> 2.1 </u> gallons to purge
	<u> </u>	.65 gal/ft (4 in)	0.7		

4.21 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u> 0.50 </u>	<u> 1.00 </u>	<u> 1.50 </u>	<u> 2.00 </u>
Time (Min.)	<u> 18:44 </u>	<u> 18:47 </u>	<u> 18:50 </u>	<u> 18:53 </u>
Temperature (C°)	<u> 13.24 </u>	<u> 13.22 </u>	<u> 13.16 </u>	<u> 13.09 </u>
pH (Units)	<u> 7.00 </u>	<u> 6.99 </u>	<u> 6.98 </u>	<u> 6.98 </u>
Conductivity at 25°C (mS/cm)	<u> 1.15 </u>	<u> 1.15 </u>	<u> 1.15 </u>	<u> 1.15 </u>
ORP (mV)	<u> -41.00 </u>	<u> -48.00 </u>	<u> -59.00 </u>	<u> -62.00 </u>
Turb (NTU)	<u> 7.02 </u>	<u> 14.99 </u>	<u> 28.27 </u>	<u> 50.06 </u>
DO (%)	<u> 0.29 </u>	<u> 0.18 </u>	<u> 0.05 </u>	<u> 0.03 </u>
Total Volume Purged	<u> 2.50 </u> gallons			
Water Appearance (describe color, clarity odor:)	<u> clear/odor </u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear/strong odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u> 8260B </u>	<u> 3 40 ml VOA </u>	<u> </u>	<u> HCL/ </u>	<u> N </u>	<u> Y </u>
D. Metals	<u> 6020B </u>	<u> 1 500 ml Poly </u>	<u> </u>	<u> HNO3/ </u>	<u> Y </u>	<u> Y </u>
T. Phenols	<u> 420.1 </u>	<u> 1 250 ml Amber </u>	<u> </u>	<u> H2SO4/ </u>	<u> N </u>	<u> Y </u>
T. Cyanide	<u> 9012A </u>	<u> 1 250 ml Poly </u>	<u> </u>	<u> NaOH/ </u>	<u> N </u>	<u> Y </u>
				<u> / </u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-4 05 10
 Sample Date: 05-May-10
 Sample Time: 16:17

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: partly sunny, warm, breezy.
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 21.00 feet using _____ Water Depth: 15.42 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 2.7 gallons to purge
		.65 gal/ft (4 in)	0.9		
	5.58	2.6 gal/ft (8 in)			

Purge Method: Peristaltic

Purge Vol. (gal)	1.00	2.00	3.00	na
Time (Min.)	16:07	16:12	16:17	na
Temperature (C°)	15.90	15.70	15.60	na
pH (Units)	7.24	7.24	7.24	na
Conductivity at 25°C (mS/cm)	2829.00	2726.00	2651.00	na
ORP (mV)	na	na	na	na
Turb (NTU)	na	na	na	na
DO (%)	na	na	na	na

Total Volume Purged: 3.00 gallons
 Water Appearance (describe color, clarity odor): -

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans
 SIGNATURE: _____

Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-5 05 10
 Sample Date: 05-May-10
 Sample Time: 15:43

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cloudy, warm, breezy,
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 20.80 feet using Water Depth: 15.92 feet using
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: feet Protective Casing Stickup: feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: feet
 Floating Product Thickness: feet using
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 2.4 gallons to purge
		.65 gal/ft (4 in)	0.8		
	4.88	2.6 gal/ft (8 in)			

Purge Method: Peristaltic

Purge Vol. (gal)	1.00	2.00	3.00	na
Time (Min.)	15:33	15:38	15:43	na
Temperature (C°)	12.70	12.40	12.40	na
pH (Units)	6.87	6.95	7.03	na
Conductivity at 25°C (mS/cm)	1287.00	1230.00	1246.00	na
ORP (mV)	na	na	na	na
Turb (NTU)	na	na	na	na
DO (%)	na	na	na	na

Total Volume Purged 3.00 gallons
 Water Appearance (describe color, clarity odor): clear, no odor

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-7 05 10
 Sample Date: 05-May-10
 Sample Time: 16:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 15:31 Activity End: 16:07
 Weather: cloudy,60's
 Well Type and Location: flushmount in Plant 1

WATER LEVEL/WELL DATA

Well Depth: 18.20 feet using _____ Water Depth: 14.83 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>1.6</u> gallons to purge
		.65 gal/ft (4 in)	0.5		
	3.37	<u>2.6</u> gal/ft (8 in)			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.40</u>	<u>0.80</u>	<u>1.20</u>	<u>1.62</u>
Time (Min.)	<u>15:48</u>	<u>15:51</u>	<u>15:54</u>	<u>15:59</u>
Temperature (C°)	<u>13.50</u>	<u>12.40</u>	<u>12.20</u>	<u>12.10</u>
pH (Units)	<u>6.93</u>	<u>6.99</u>	<u>6.99</u>	<u>6.99</u>
Conductivity at 25°C (mS/cm)	<u>1159.00</u>	<u>1172.00</u>	<u>1166.00</u>	<u>1167.00</u>
ORP (mV)	<u>-74.00</u>	<u>-78.00</u>	<u>-75.00</u>	<u>-74.00</u>
Turb (NTU)	<u>817.30</u>	<u>824.70</u>	<u>823.50</u>	<u>824.70</u>
DO (%)	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Volume Purged	<u>2.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-9 05 10
 Sample Date: 05-May-10
 Sample Time: 9:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: BMW
 Activity Start: 8:32 Activity End: 9:05
 Weather: sunny,60's
 Well Type and Location: 2" flushmount in parking lot

WATER LEVEL/WELL DATA

Well Depth: 19.80 feet using _____ Water Depth: 14.13 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____ (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>2.8</u> gallons to purge
		.65 gal/ft (4 in)	0.9		
5.67		<u>2.6</u> gal/ft (8 in)			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.68</u>	<u>1.40</u>	<u>2.04</u>	<u>2.72</u>
Time (Min.)	<u>8:47</u>	<u>8:51</u>	<u>8:56</u>	<u>8:59</u>
Temperature (C°)	<u>13.20</u>	<u>13.16</u>	<u>13.10</u>	<u>13.04</u>
pH (Units)	<u>7.00</u>	<u>7.03</u>	<u>7.04</u>	<u>7.04</u>
Conductivity at 25°C (mS/cm)	<u>1.29</u>	<u>1.26</u>	<u>1.25</u>	<u>1.23</u>
ORP (mV)	<u>233.00</u>	<u>235.00</u>	<u>238.00</u>	<u>239.00</u>
Turb (NTU)	<u>16.51</u>	<u>27.34</u>	<u>49.16</u>	<u>79.65</u>
DO (%)	<u>1.74</u>	<u>1.59</u>	<u>1.41</u>	<u>1.33</u>
Total Volume Purged	<u>3.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>slightly cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-10 05 10
 Sample Date: 05-May-10
 Sample Time: 17:20

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 16:43 Activity End: 17:30
 Weather: cloudy, 60's
 Well Type and Location: 2" flushmount near carbon brake

WATER LEVEL/WELL DATA

Well Depth: 19.40 feet using _____ Water Depth: 11.83 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>3.7</u> gallons to purge
		.65 gal/ft (4 in)	1.2		
	7.57	<u>2.6</u> gal/ft (8 in)			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.91</u>	<u>1.82</u>	<u>2.73</u>	<u>3.63</u>
Time (Min.)	<u>17:03</u>	<u>17:08</u>	<u>17:15</u>	<u>17:19</u>
Temperature (C°)	<u>12.19</u>	<u>12.27</u>	<u>12.17</u>	<u>12.12</u>
pH (Units)	<u>6.92</u>	<u>6.92</u>	<u>6.92</u>	<u>6.92</u>
Conductivity at 25°C (mS/cm)	<u>1.57</u>	<u>1.42</u>	<u>1.31</u>	<u>1.31</u>
ORP (mV)	<u>113.00</u>	<u>112.00</u>	<u>113.00</u>	<u>113.00</u>
Turb (NTU)	<u>28.67</u>	<u>64.19</u>	<u>90.41</u>	<u>95.42</u>
DO (%)	<u>0.42</u>	<u>0.29</u>	<u>0.20</u>	<u>0.19</u>
Total Volume Purged	<u>4.50</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>I</u>		

OTHER OBSERVATIONS

MW-104 = Duplicate sample NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-11 05 10
 Sample Date: 05-May-10
 Sample Time: 18:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 17:35 Activity End: 18:05
 Weather: cloudy,60's
 Well Type and Location: 2" flushmount near carbon brake

WATER LEVEL/WELL DATA

Well Depth: 21.70 feet using _____ Water Depth: 16.26 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>2.7</u> gallons to purge
		.65 gal/ft (4 in)	0.9		
	5.44	<u>2.6</u> gal/ft (8 in)			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.65</u>	<u>1.30</u>	<u>1.95</u>	<u>2.60</u>
Time (Min.)	<u>17:44</u>	<u>17:48</u>	<u>17:51</u>	<u>17:58</u>
Temperature (C°)	<u>12.86</u>	<u>12.93</u>	<u>12.84</u>	<u>12.68</u>
pH (Units)	<u>6.64</u>	<u>6.67</u>	<u>6.69</u>	<u>6.71</u>
Conductivity at 25°C (mS/cm)	<u>2.38</u>	<u>2.13</u>	<u>1.79</u>	<u>1.88</u>
ORP (mV)	<u>95.00</u>	<u>17.00</u>	<u>-1.00</u>	<u>-6.00</u>
Turb (NTU)	<u>13.54</u>	<u>15.08</u>	<u>20.32</u>	<u>93.64</u>
DO (%)	<u>0.18</u>	<u>0.04</u>	<u>-0.02</u>	<u>-0.04</u>
Total Volume Purged	<u>3.00</u> gallons			
Water Appearance (describe color, clarity odor:)	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-12 05 10
 Sample Date: 05-May-10
 Sample Time: 18:30

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 18:10 Activity End: 18:35
 Weather: cloudy, 60's
 Well Type and Location: 2" flushmount near Carbon Brake

WATER LEVEL/WELL DATA

Well Depth: 13.80 feet using _____ Water Depth: 9.94 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good - ants
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>1.9</u> gallons to purge
		.65 gal/ft (4 in)	0.6		
3.86		<u>2.6</u> gal/ft (8 in)			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.46</u>	<u>0.92</u>	<u>1.38</u>	<u>1.85</u>
Time (Min.)	<u>18:17</u>	<u>18:21</u>	<u>18:23</u>	<u>18:26</u>
Temperature (C°)	<u>12.27</u>	<u>12.10</u>	<u>12.10</u>	<u>12.09</u>
pH (Units)	<u>7.70</u>	<u>7.66</u>	<u>7.63</u>	<u>7.62</u>
Conductivity at 25°C (mS/cm)	<u>0.32</u>	<u>0.33</u>	<u>0.34</u>	<u>0.34</u>
ORP (mV)	<u>-13.00</u>	<u>3.00</u>	<u>11.00</u>	<u>15.00</u>
Turb (NTU)	<u>145.30</u>	<u>104.80</u>	<u>51.82</u>	<u>100.20</u>
DO (%)	<u>7.29</u>	<u>6.60</u>	<u>6.30</u>	<u>6.22</u>
Total Volume Purged	<u>2.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
D. Metals	<u>6020B</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>Y</u>	<u>Y</u>
T. Phenols	<u>420.1</u>	<u>1 250 ml Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>9012A</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: **MW-13 05 10**
 Sample Date: **05-May-10**
 Sample Time: **12:55**

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 12:28 Activity End: 13:00
 Weather: cloudy,60's
 Well Type and Location: 2" flushmount in front of Gate 9

WATER LEVEL/WELL DATA

Well Depth: 18.80 feet using _____ Water Depth: 14.95 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>1.9</u> gallons to purge
		.65 gal/ft (4 in)	0.6		

3.85 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.46</u>	<u>0.92</u>	<u>1.38</u>	<u>1.85</u>
Time (Min.)	<u>12:36</u>	<u>12:41</u>	<u>12:45</u>	<u>12:49</u>
Temperature (C°)	<u>12.95</u>	<u>12.69</u>	<u>12.56</u>	<u>12.61</u>
pH (Units)	<u>7.26</u>	<u>7.22</u>	<u>7.21</u>	<u>7.21</u>
Conductivity at 25°C (mS/cm)	<u>0.89</u>	<u>0.88</u>	<u>0.88</u>	<u>0.88</u>
ORP (mV)	<u>84.00</u>	<u>81.00</u>	<u>81.00</u>	<u>82.00</u>
Turb (NTU)	<u>20.66</u>	<u>147.20</u>	<u>8.16</u>	<u>7.35</u>
DO (%)	<u>1.39</u>	<u>1.11</u>	<u>1.03</u>	<u>0.97</u>
Total Volume Purged	<u>2.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>slightly cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat
 SIGNATURE: _____
 Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: **86-10 05 10**
 Sample Date: **05-May-10**
 Sample Time: **12:35**

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: NRR/JPS
 Activity Start: 12:15 Activity End: 12:40
 Weather: Indoors,
 Well Type and Location: flushmount

WATER LEVEL/WELL DATA

Well Depth: 27.10 feet using _____ Water Depth: 14.35 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: ok
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3
		.65 gal/ft (4 in)	1.2	
	12.75	<u>2.6 gal/ft (8 in)</u>		

casing volumes = 3.5 gallons to purge
 Purge Method: peristaltic

Purge Vol. (gal)	<u>1.25</u>	<u>1.50</u>	<u>3.50</u>	<u>na</u>
Time (Min.)	<u>12:20</u>	<u>12:25</u>	<u>12:30</u>	<u>na</u>
Temperature (C°)	<u>19.10</u>	<u>19.00</u>	<u>18.80</u>	<u>na</u>
pH (Units)	<u>7.25</u>	<u>7.16</u>	<u>7.13</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1843.00</u>	<u>1830.00</u>	<u>1832.00</u>	<u>na</u>
ORP (mV)	<u>-53.00</u>	<u>-72.00</u>	<u>-65.00</u>	<u>na</u>
Turb (NTU)	<u>1311.00</u>	<u>1305.00</u>	<u>1312.00</u>	<u>na</u>
DO (%)	<u>-</u>	<u>-</u>	<u>-</u>	<u>na</u>
Total Volume Purged	<u>3.50 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Nick Rogers

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: 86-15 05 10
 Sample Date: 05-May-10
 Sample Time: 11:45

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: NRR/JPS
 Activity Start: 11:20 Activity End: 11:50
 Weather: Indoors,
 Well Type and Location: flushmount

WATER LEVEL/WELL DATA

Well Depth: 25.30 feet using _____ Water Depth: 14.49 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: ok
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)			
		.65 gal/ft (4 in)	1.0	X	3 casing volumes = 3.0 gallons to purge

10.81 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	1.00	2.00	3.00	na
Time (Min.)	11:25	11:30	11:35	na
Temperature (C°)	19.00	19.80	19.80	na
pH (Units)	6.95	6.84	6.84	na
Conductivity at 25°C (mS/cm)	6200.00	6180.00	6176.00	na
ORP (mV)	144.00	161.00	191.00	na
Turb (NTU)	4985.00	4970.00	4964.00	na
DO (%)	-	-	-	na
Total Volume Purged	<u>3.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

Collect MS/MSD NAME (Print) Nick Rogers

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 7-25 05 10
 Sample Date: 04-May-10
 Sample Time: 14:37

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 14:06 Activity End: 14:55
 Weather: sunny, 70's
 Well Type and Location: 1.5" stickup

WATER LEVEL/WELL DATA

Well Depth: 26.60 feet using _____ Water Depth: 19.93 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>1.8</u> gallons to purge
		.65 gal/ft (4 in)	0.6		

6.67 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.45</u>	<u>0.90</u>	<u>1.35</u>	<u>1.80</u>
Time (Min.)	<u>14:24</u>	<u>14:27</u>	<u>14:29</u>	<u>14:35</u>
Temperature (C°)	<u>12.46</u>	<u>12.95</u>	<u>12.98</u>	<u>13.04</u>
pH (Units)	<u>7.40</u>	<u>7.39</u>	<u>7.39</u>	<u>7.40</u>
Conductivity at 25°C (mS/cm)	<u>0.67</u>	<u>0.68</u>	<u>0.68</u>	<u>0.68</u>
ORP (mV)	<u>80.00</u>	<u>82.00</u>	<u>83.00</u>	<u>88.00</u>
Turb (NTU)	<u>3.08</u>	<u>5.81</u>	<u>-1.22</u>	<u>3.09</u>
DO (%)	<u>3.15</u>	<u>3.07</u>	<u>3.07</u>	<u>3.05</u>
Total Volume Purged	<u>2.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: 7-50 05 10
 Sample Date: 04-May-10
 Sample Time: 14:45

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310090039
 Personnel Present: JPS/BMW
 Activity Start: 14:06 Activity End: 14:55
 Weather: sunny,70's
 Well Type and Location: 1.5" stickup

WATER LEVEL/WELL DATA

Well Depth: 50.00 feet using _____ Water Depth: 19.44 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 8.4 gallons to purge
		.65 gal/ft (4 in)			

2.8 30.56 2.6 gal/ft (8 in)

Purge Method: Disposable Bailer

Purge Vol. (gal)	2.06	4.12	6.20	8.25
Time (Min.)	14:24	14:26	14:31	14:38
Temperature (C°)	15.00	12.70	13.90	13.80
pH (Units)	7.35	6.58	7.31	7.33
Conductivity at 25°C (mS/cm)	840.70	845.30	837.50	836.30
ORP (mV)	219.00	220.00	214.00	155.00
Turb (NTU)	580.50	583.70	577.80	576.70
DO (%)	-	-	-	-
Total Volume Purged	9.00 gallons			
Water Appearance (describe color, clarity odor):	slightly cloudy			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S3 11 10
 Sample Date: 04-Nov-10
 Sample Time: 7:56

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 7:20 Activity End: -
 Weather: cold, overcast,
 Well Type and Location: 4" stickup by train tracks

WATER LEVEL/WELL DATA

Well Depth: 24.60 feet using _____ Water Depth: 20.21 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 8.6 gallons to purge
		.65 gal/ft (4 in)			

4.39 2.6 gal/ft (8 in)

Purge Method: Disposable bailer

Purge Vol. (gal)	3.00	6.00	9.00	na
Time (Min.)	7:43	7:49	7:56	na
Temperature (C°)	14.20	14.70	14.40	na
pH (Units)	7.57	7.59	7.63	na
Conductivity at 25°C (mS/cm)	699.90	717.90	718.70	na
ORP (mV)	na	na	na	na
Turb (NTU)	na	na	na	na
DO (%)	na	na	na	na

Total Volume Purged 9.00 gallons
 Water Appearance (describe color, clarity odor): -

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

MW-101 = Duplicate sample. NAME (Print) Megan McMeans
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S4A 11 10
 Sample Date: 02-Nov-10
 Sample Time: 17:15

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 16:35 Activity End: 17:20
 Weather: sunny,40's
 Well Type and Location: 1.5" flushmount along Bendix

WATER LEVEL/WELL DATA

Well Depth: 31.60 feet using _____ Water Depth: 12.71 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)			
		.65 gal/ft (4 in)			

1.7 X 3 casing volumes = 5.2 gallons to purge

18.89 2.61 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>1.28</u>	<u>2.56</u>	<u>3.84</u>	<u>5.12</u>
Time (Min.)	<u>16:47</u>	<u>17:04</u>	<u>17:08</u>	<u>17:11</u>
Temperature (C°)	<u>13.77</u>	<u>13.72</u>	<u>13.63</u>	<u>13.70</u>
pH (Units)	<u>6.94</u>	<u>6.92</u>	<u>6.92</u>	<u>6.93</u>
Conductivity at 25°C (mS/cm)	<u>0.85</u>	<u>0.85</u>	<u>0.85</u>	<u>0.85</u>
ORP (mV)	<u>-60.00</u>	<u>-71.00</u>	<u>-74.00</u>	<u>-77.00</u>
Turb (NTU)	<u>42.73</u>	<u>96.72</u>	<u>98.55</u>	<u>299.80</u>
DO (%)	<u>0.03</u>	<u>-0.04</u>	<u>-0.05</u>	<u>-0.06</u>
Total Volume Purged	<u>5.50</u> gallons			
Water Appearance (describe color, clarity odor):	<u>cloudy, black</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy with brown floaties/sediment

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S9 11 10
 Sample Date: 03-Nov-10
 Sample Time: 16:10

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, overcast, breezy,
 Well Type and Location: Monitoring Well

WATER LEVEL/WELL DATA

Well Depth: 21.10 feet using _____ Water Depth: 17.33 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: _____
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>7.4</u> gallons to purge
	X	.65 gal/ft (4 in)	2.5		
		3.77			<u>2.61</u> gal/ft (8 in)

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>2.50</u>	<u>5.00</u>	<u>7.50</u>	<u>na</u>
Time (Min.)	<u>15:55</u>	<u>15:59</u>	<u>16:10</u>	<u>na</u>
Temperature (C°)	<u>17.10</u>	<u>17.10</u>	<u>17.10</u>	<u>na</u>
pH (Units)	<u>7.62</u>	<u>7.20</u>	<u>7.47</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1058.00</u>	<u>1070.00</u>	<u>1097.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>7.50</u> gallons			
Water Appearance (describe color, clarity odor):	<u>-</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S14 11 10
 Sample Date: 04-Nov-10
 Sample Time: 8:35

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 8:15 Activity End: -
 Weather: cold, overcast,
 Well Type and Location: 4" stickup in parking area

WATER LEVEL/WELL DATA

Well Depth: 20.20 feet using _____ Water Depth: 15.78 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: _____
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<input type="checkbox"/>	.041 gal/ft (1 in)			
Column feet	<input type="checkbox"/>	.09 gal/ft (1.5 in)			
	<input type="checkbox"/>	.16 gal/ft (2 in)			
	<input checked="" type="checkbox"/>	.65 gal/ft (4 in)	2.9	X <u>3</u>	casing volumes = <u>8.7</u> gallons to purge
		<u>4.42</u>			<u>2.61</u> gal/ft (8 in)

Purge Method: Disposable Bailer

Purge Vol. (gal)	<u>3.00</u>	<u>6.00</u>	<u>9.00</u>	<u>na</u>
Time (Min.)	<u>8:24</u>	<u>8:30</u>	<u>8:35</u>	<u>na</u>
Temperature (C°)	<u>16.50</u>	<u>16.80</u>	<u>16.50</u>	<u>na</u>
pH (Units)	<u>7.32</u>	<u>7.29</u>	<u>7.29</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1188.00</u>	<u>1156.00</u>	<u>1158.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>9.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable Bailer
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S15 11 10
 Sample Date: 03-Nov-10
 Sample Time: 16:30

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, overcast, breezy,
 Well Type and Location: 4" stickup in parking lot

WATER LEVEL/WELL DATA

Well Depth: 22.00 feet using _____ Water Depth: 18.66 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	.041 gal/ft (1 in)			
Column feet	.09 gal/ft (1.5 in)			
	.16 gal/ft (2 in)			
X	.65 gal/ft (4 in)	2.2	X <u>3</u>	casing volumes = <u>6.5</u> gallons to purge

3.34 2.6 gal/ft (8 in)

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>2.25</u>	<u>4.50</u>	<u>6.75</u>	<u>na</u>
Time (Min.)	<u>16:24</u>	<u>16:27</u>	<u>16:30</u>	<u>na</u>
Temperature (C°)	<u>16.10</u>	<u>16.50</u>	<u>16.10</u>	<u>na</u>
pH (Units)	<u>7.45</u>	<u>7.36</u>	<u>7.45</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1512.00</u>	<u>1508.00</u>	<u>1484.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>6.75</u> gallons			
Water Appearance (describe color, clarity odor):	<u>-</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S16 11 10
 Sample Date: 02-Nov-10
 Sample Time: 17:53

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 17:30 Activity End: 17:56
 Weather: sunny,40's
 Well Type and Location: 4" flushmount in front of Bosch along Bendix

WATER LEVEL/WELL DATA

Well Depth: 18.70 feet using _____ Water Depth: 15.72 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>5.8</u> gallons to purge
		.65 gal/ft (4 in)	1.9		

2.98 2.6 gal/ft (8 in)

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>1.45</u>	<u>2.90</u>	<u>4.35</u>	<u>5.81</u>
Time (Min.)	<u>17:42</u>	<u>17:45</u>	<u>17:49</u>	<u>17:50</u>
Temperature (C°)	<u>17.65</u>	<u>17.88</u>	<u>17.79</u>	<u>17.76</u>
pH (Units)	<u>6.84</u>	<u>6.82</u>	<u>6.84</u>	<u>6.86</u>
Conductivity at 25°C (mS/cm)	<u>3.49</u>	<u>3.57</u>	<u>3.59</u>	<u>3.51</u>
ORP (mV)	<u>-70.00</u>	<u>-92.00</u>	<u>-101.00</u>	<u>-102.00</u>
Turb (NTU)	<u>72.30</u>	<u>179.00</u>	<u>14.46</u>	<u>17.76</u>
DO (%)	<u>1.79</u>	<u>1.51</u>	<u>2.34</u>	<u>3.48</u>
Total Volume Purged	<u>6.00</u> gallons			
Water Appearance (describe color, clarity odor:)	<u>cloudy, tan, sediment</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): slightly to moderately cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S17 11 10
 Sample Date: 03-Nov-10
 Sample Time: 12:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 11:30 Activity End: 12:05
 Weather: _____
 Well Type and Location: 4" stickup along Bendix

WATER LEVEL/WELL DATA

Well Depth: 25.10 feet using _____ Water Depth: 18.84 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u> </u>	<u>.041</u> gal/ft (1 in)			
Column feet	<u> </u>	<u>.09</u> gal/ft (1.5 in)			
	<u> </u>	<u>.16</u> gal/ft (2 in)			
	<u>X</u>	<u>.65</u> gal/ft (4 in)	4.1	X <u> </u> 3	casing volumes = <u> </u> 12.3 gallons to purge

6.26 2.6 gal/ft (8 in)

Purge Method: Disposable Bailer

Purge Vol. (gal)	<u> </u> 3.00	<u> </u> 6.00	<u> </u> 9.00	<u> </u> 12.21
Time (Min.)	<u> </u> 11:49	<u> </u> 11:52	<u> </u> 11:54	<u> </u> 11:56
Temperature (C°)	<u> </u> 15.73	<u> </u> 15.43	<u> </u> 15.68	<u> </u> 15.55
pH (Units)	<u> </u> 7.39	<u> </u> 7.27	<u> </u> 7.21	<u> </u> 7.17
Conductivity at 25°C (mS/cm)	<u> </u> 1.42	<u> </u> 1.47	<u> </u> 1.48	<u> </u> 1.48
ORP (mV)	<u> </u> 6.00	<u> </u> -10.00	<u> </u> -15.00	<u> </u> -17.00
Turb (NTU)	<u> </u> 178.70	<u> </u> 266.00	<u> </u> 223.20	<u> </u> 139.20
DO (%)	<u> </u> 1.66	<u> </u> 2.78	<u> </u> 1.74	<u> </u> 1.52
Total Volume Purged	<u> </u> 12.50 gallons			
Water Appearance (describe color, clarity odor):	<u> </u> cloudy, orange/brown, no odor			

SAMPLING PROCEDURES

Sampling Procedure: Disposable Bailer
 Sample Water Appearance (color, clarity, odor): Moderately cloudy, orange and black floaties

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S20 11 10
 Sample Date: 02-Nov-10
 Sample Time: 16:20

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 15:45 Activity End: 16:20
 Weather: sunny, 40's
 Well Type and Location: 4" manhole corner of Westmoor & Goodland

WATER LEVEL/WELL DATA

Well Depth: 18.80 feet using _____ Water Depth: 14.22 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u> </u>	<u>.041</u> gal/ft (1 in)			
Column feet	<u> </u>	<u>.09</u> gal/ft (1.5 in)			
	<u> </u>	<u>.16</u> gal/ft (2 in)			
	<u>X</u>	<u>.65</u> gal/ft (4 in)	<u>3.0</u>	X <u>3</u>	casing volumes = <u>9.0</u> gallons to purge

4.58 2.6 gal/ft (8 in)

Purge Method: Disposable Bailer

Purge Vol. (gal)	<u>2.23</u>	<u>4.46</u>	<u>6.69</u>	<u>8.93</u>
Time (Min.)	<u>15:54</u>	<u>16:00</u>	<u>16:09</u>	<u>16:16</u>
Temperature (C°)	<u>13.60</u>	<u>13.49</u>	<u>13.40</u>	<u>13.36</u>
pH (Units)	<u>7.23</u>	<u>6.99</u>	<u>6.95</u>	<u>6.92</u>
Conductivity at 25°C (mS/cm)	<u>1.20</u>	<u>1.24</u>	<u>1.23</u>	<u>1.25</u>
ORP (mV)	<u>-32.00</u>	<u>-38.00</u>	<u>-37.00</u>	<u>-35.00</u>
Turb (NTU)	<u>59.47</u>	<u>19.73</u>	<u>20.15</u>	<u>12.83</u>
DO (%)	<u>2.27</u>	<u>1.39</u>	<u>2.08</u>	<u>1.55</u>
Total Volume Purged	<u>9.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>Moderately cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable Bailer
 Sample Water Appearance (color, clarity, odor): slightly cloudy

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S21 11 10
 Sample Date: 02-Nov-10
 Sample Time: 14:40

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 14:15 Activity End: 14:45
 Weather: sunny,40's
 Well Type and Location: 4" well under manhole Kennedy Park

WATER LEVEL/WELL DATA

Well Depth: 23.40 feet using _____ Water Depth: 15.07 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u>0.041</u> gal/ft (1 in)			
Column feet	<u>0.09</u> gal/ft (1.5 in)			
	<u>0.16</u> gal/ft (2 in)			
	<u>0.65</u> gal/ft (4 in)	5.4	X <u>3</u>	casing volumes = <u>16.3</u> gallons to purge

8.33 2.6 gal/ft (8 in)

Purge Method: Disposable bailer

Purge Vol. (gal)	<u>4.00</u>	<u>8.00</u>	<u>12.00</u>	<u>16.00</u>
Time (Min.)	<u>14:29</u>	<u>14:32</u>	<u>14:35</u>	<u>14:39</u>
Temperature (C°)	<u>13.06</u>	<u>12.82</u>	<u>12.71</u>	<u>12.72</u>
pH (Units)	<u>7.36</u>	<u>7.16</u>	<u>7.12</u>	<u>7.09</u>
Conductivity at 25°C (mS/cm)	<u>1.15</u>	<u>1.19</u>	<u>1.19</u>	<u>1.18</u>
ORP (mV)	<u>22.00</u>	<u>-11.00</u>	<u>-26.00</u>	<u>-36.00</u>
Turb (NTU)	<u>19.96</u>	<u>9.41</u>	<u>6.05</u>	<u>5.51</u>
DO (%)	<u>2.27</u>	<u>2.21</u>	<u>2.15</u>	<u>0.91</u>

Total Volume Purged 16.00 gallons

Water Appearance (describe color, clarity odor): Slightly cloudy, no odor

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer

Sample Water Appearance (color, clarity, odor): Clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S22 11 10
 Sample Date: 18-Oct-10
 Sample Time: 14:00

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: BMW/JPS/SGB
 Activity Start: 13:20 Activity End: 14:08
 Weather: partly cloudy, 50's
 Well Type and Location: 4" inside manhole/Kennedy Park

WATER LEVEL/WELL DATA
 Well Depth: 26.00 feet using _____ Water Depth: 14.04 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u> </u>	.041 gal/ft (1 in)			
Column feet	<u> </u>	.09 gal/ft (1.5 in)			
	<u> </u>	.16 gal/ft (2 in)	X	<u> 3 </u>	casing volumes = <u> 23.4 </u> gallons to purge
	<u>X</u>	.65 gal/ft (4 in)	7.8		
	11.96	<u> 2.6 </u> gal/ft (8 in)			

 Purge Method: Disposable bailer

Purge Vol. (gal)	<u>6.00</u>	<u>12.00</u>	<u>18.00</u>	<u>24.00</u>
Time (Min.)	<u>13:40</u>	<u>13:45</u>	<u>13:49</u>	<u>13:55</u>
Temperature (C°)	<u>14.85</u>	<u>14.85</u>	<u>14.64</u>	<u>14.60</u>
pH (Units)	<u>6.76</u>	<u>6.81</u>	<u>6.82</u>	<u>6.83</u>
Conductivity at 25°C (mS/cm)	<u>1.17</u>	<u>1.17</u>	<u>1.16</u>	<u>1.16</u>
ORP (mV)	<u>-239.00</u>	<u>-255.00</u>	<u>-260.00</u>	<u>-265.00</u>
Turb (NTU)	<u>12.84</u>	<u>6.20</u>	<u>5.57</u>	<u>7.66</u>
DO (%)	<u>-0.19</u>	<u>-0.20</u>	<u>-0.20</u>	<u>-0.20</u>
Total Volume Purged	<u>24.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>black</u>			

SAMPLING PROCEDURES
 Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): slightly cloudy/odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
_____	_____	_____	_____	<u>/</u>	_____	_____
_____	_____	_____	_____	<u>/</u>	_____	_____
_____	_____	_____	_____	<u>/</u>	_____	_____
_____	_____	_____	_____	<u>/</u>	_____	_____

OTHER OBSERVATIONS
 NAME (Print) Brent Wheat
 SIGNATURE: _____
 Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S23 11 10
 Sample Date: 18-Oct-10
 Sample Time: 16:30

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: BMW/JPS/SGB
 Activity Start: 15:20 Activity End: 16:40
 Weather: cloudy, 50's
 Well Type and Location: 4" inside manhole/Kennedy Park

WATER LEVEL/WELL DATA

Well Depth: 28.20 feet using _____ Water Depth: 16.59 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<input type="checkbox"/>	.041 gal/ft (1 in)			
Column feet	<input type="checkbox"/>	.09 gal/ft (1.5 in)			
	<input type="checkbox"/>	.16 gal/ft (2 in)	X	3	casing volumes = 22.7 gallons to purge
	<input checked="" type="checkbox"/>	.65 gal/ft (4 in)	7.6		
	<input type="checkbox"/>	2.6 gal/ft (8 in)			

11.61

Purge Method: Disposable bailer

Purge Vol. (gal)	5.66	11.32	16.98	23.00
Time (Min.)	15:43	15:49	16:03	16:23
Temperature (C°)	14.59	14.61	14.71	14.53
pH (Units)	7.25	7.27	7.26	7.25
Conductivity at 25°C (mS/cm)	0.75	0.76	0.76	0.76
ORP (mV)	-197.00	-206.00	-213.00	-216.00
Turb (NTU)	64.70	37.47	33.51	28.20
DO (%)	-0.16	-0.18	-0.19	-0.20
Total Volume Purged	24.00 gallons			
Water Appearance (describe color, clarity odor)	black with odor			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear with black floaties

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S24 11 10
 Sample Date: 02-Nov-10
 Sample Time: 12:05

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 11:40 Activity End: 12:10
 Weather: sunny,30's
 Well Type and Location: 1.5" flushmount in park

WATER LEVEL/WELL DATA

Well Depth: 21.40 feet using _____ Water Depth: 15.85 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 1.5 gallons to purge
		.65 gal/ft (4 in)	0.5	
5.55		2.6 gal/ft (8 in)		

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.38</u>	<u>0.76</u>	<u>1.14</u>	<u>1.50</u>
Time (Min.)	<u>11:49</u>	<u>11:54</u>	<u>11:59</u>	<u>12:04</u>
Temperature (C°)	<u>13.19</u>	<u>13.15</u>	<u>13.22</u>	<u>13.20</u>
pH (Units)	<u>6.85</u>	<u>6.84</u>	<u>6.84</u>	<u>6.85</u>
Conductivity at 25°C (mS/cm)	<u>1.53</u>	<u>1.53</u>	<u>1.53</u>	<u>1.53</u>
ORP (mV)	<u>30.00</u>	<u>-1.00</u>	<u>-18.00</u>	<u>-28.00</u>
Turb (NTU)	<u>25.98</u>	<u>11.45</u>	<u>13.22</u>	<u>29.74</u>
DO (%)	<u>0.24</u>	<u>0.08</u>	<u>0.02</u>	<u>0.00</u>
Total Volume Purged	<u>2.00 gallons</u>			
Water Appearance (describe color, clarity odor;)	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
_____	_____	_____	_____	/	_____	_____
_____	_____	_____	_____	/	_____	_____
_____	_____	_____	_____	/	_____	_____
_____	_____	_____	_____	/	_____	_____

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: S25 11 10
 Sample Date: 02-Nov-10
 Sample Time: 15:25

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 14:50 Activity End: 15:30
 Weather: sunny, 40's
 Well Type and Location: 1.5" flushmount along Goodland in park

WATER LEVEL/WELL DATA

Well Depth: 26.80 feet using _____ Water Depth: 14.55 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Missing well vault cover
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 3.4 gallons to purge
		.65 gal/ft (4 in)	1.1		
	12.25	2.6 gal/ft (8 in)			

Purge Method: Peristaltic

Purge Vol. (gal)	0.83	1.66	2.49	3.31
Time (Min.)	15:06	15:11	15:18	15:23
Temperature (C°)	14.65	14.67	14.78	14.73
pH (Units)	6.87	6.87	6.86	6.86
Conductivity at 25°C (mS/cm)	1.16	1.17	1.17	1.17
ORP (mV)	-60.00	-58.00	-56.00	-56.00
Turb (NTU)	10.46	19.09	65.65	34.33
DO (%)	0.08	-0.04	-0.07	-0.07
Total Volume Purged	3.50 gallons			
Water Appearance (describe color, clarity odor):	Clear, no odor			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): Clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: **S26 11 10**
 Sample Date: **02-Nov-10**
 Sample Time: **13:05**

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 12:15 Activity End: 13:10
 Weather: sunny,40's
 Well Type and Location: 1.5" flushmount behind white building

WATER LEVEL/WELL DATA

Well Depth: 26.90 feet using _____ Water Depth: 17.54 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 2.6 gallons to purge
		.65 gal/ft (4 in)	0.9	
9.36		<u>2.6 gal/ft (8 in)</u>		

Purge Method: Peristaltic

Purge Vol. (gal)	<u>1.12</u>	<u>2.24</u>	<u>3.36</u>	<u>4.49</u>
Time (Min.)	<u>12:31</u>	<u>12:46</u>	<u>12:54</u>	<u>13:02</u>
Temperature (C°)	<u>16.58</u>	<u>17.09</u>	<u>17.18</u>	<u>16.89</u>
pH (Units)	<u>6.98</u>	<u>6.98</u>	<u>6.99</u>	<u>6.99</u>
Conductivity at 25°C (mS/cm)	<u>1.12</u>	<u>1.23</u>	<u>1.25</u>	<u>1.25</u>
ORP (mV)	<u>-63.00</u>	<u>-86.00</u>	<u>-91.00</u>	<u>-94.00</u>
Turb (NTU)	<u>19.37</u>	<u>6.58</u>	<u>6.22</u>	<u>4.73</u>
DO (%)	<u>0.04</u>	<u>-0.02</u>	<u>-0.03</u>	<u>-0.04</u>
Total Volume Purged	<u>4.50 gallons</u>			
Water Appearance (describe color, clarity odor:)	<u>Gray to slightly cloudy, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): Clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S27 11 10
 Sample Date: 02-Nov-10
 Sample Time: 11:30

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: BMW/JPS
 Activity Start: 10:50 Activity End: 11:33
 Weather: sunny,30's
 Well Type and Location: 1.5" flushmount in park

WATER LEVEL/WELL DATA

Well Depth: 27.90 feet using _____ Water Depth: 18.41 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 2.6 gallons to purge
		.65 gal/ft (4 in)	0.9	
9.49		2.6 gal/ft (8 in)		

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.50</u>	<u>1.00</u>	<u>1.30</u>	<u>2.00</u>
Time (Min.)	<u>11:20</u>	<u>11:24</u>	<u>11:26</u>	<u>11:29</u>
Temperature (C°)	<u>13.24</u>	<u>13.07</u>	<u>13.17</u>	<u>13.28</u>
pH (Units)	<u>6.62</u>	<u>6.71</u>	<u>6.74</u>	<u>6.77</u>
Conductivity at 25°C (mS/cm)	<u>0.97</u>	<u>0.97</u>	<u>0.97</u>	<u>0.97</u>
ORP (mV)	<u>209.00</u>	<u>157.00</u>	<u>131.00</u>	<u>94.00</u>
Turb (NTU)	<u>10.54</u>	<u>5.75</u>	<u>4.57</u>	<u>7.52</u>
DO (%)	<u>0.68</u>	<u>0.11</u>	<u>0.08</u>	<u>0.04</u>
Total Volume Purged	<u>5.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>Clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): Clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S28 11 10
 Sample Date: 02-Nov-10
 Sample Time: 18:27

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 18:00 Activity End: 18:30
 Weather: sunny,40's
 Well Type and Location: 2" flushmount along Bendix

WATER LEVEL/WELL DATA

Well Depth: 23.50 feet using _____ Water Depth: 14.96 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)

Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet

Floating Product Thickness: _____ feet using _____
 (measuring device)

Well Condition: good

Measuring Device Decontamination Procedure: Alconox & DI Rinse

PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<input type="checkbox"/>	.041 gal/ft (1 in)			
Column feet	<input type="checkbox"/>	.09 gal/ft (1.5 in)			
	<input checked="" type="checkbox"/>	.16 gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>4.2</u> gallons to purge
	<input type="checkbox"/>	.65 gal/ft (4 in)	1.4		

8.54 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>1.00</u>	<u>2.00</u>	<u>3.00</u>	<u>4.10</u>
Time (Min.)	<u>18:09</u>	<u>18:12</u>	<u>18:19</u>	<u>18:25</u>
Temperature (C°)	<u>17.29</u>	<u>17.31</u>	<u>17.38</u>	<u>17.42</u>
pH (Units)	<u>6.89</u>	<u>6.90</u>	<u>6.92</u>	<u>6.93</u>
Conductivity at 25°C (mS/cm)	<u>4.20</u>	<u>4.08</u>	<u>3.89</u>	<u>3.70</u>
ORP (mV)	<u>-61.00</u>	<u>-56.00</u>	<u>-50.00</u>	<u>-44.00</u>
Turb (NTU)	<u>14.92</u>	<u>17.31</u>	<u>11.27</u>	<u>16.21</u>
DO (%)	<u>0.05</u>	<u>0.02</u>	<u>0.01</u>	<u>0.04</u>
Total Volume Purged	<u>4.20</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic

Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
_____	_____	_____	_____	<u>/</u>	_____	_____
_____	_____	_____	_____	<u>/</u>	_____	_____
_____	_____	_____	_____	<u>/</u>	_____	_____
_____	_____	_____	_____	<u>/</u>	_____	_____

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-1 11 10
 Sample Date: 05-Nov-10
 Sample Time: 10:45

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 10:00 (11/4/10) Activity End: 11:00 (11/5/10)
 Weather: rainy, 30's
 Well Type and Location: 4" extraction well in front of Bosch

WATER LEVEL/WELL DATA

Well Depth 56.30 feet using _____ Water Depth: 29.87 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u>.041</u> gal/ft (1 in)			
Column feet	<u>.09</u> gal/ft (1.5 in)			
	<u>.16</u> gal/ft (2 in)	X	<u>3</u>	casing volumes = <u>-</u> gallons to purge
	<u>.65</u> gal/ft (4 in)	-		
26.43	<u>2.6</u> gal/ft (8 in)			

Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour. Started @ 10:40

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>10:46</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>13.84</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.16</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1.36</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>29.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>9.06</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>0.51</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>Cloudy, orange, no odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): Grab sample clear, Composite sample orange.

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC, Dioxin Screen	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

Composite samples collected with DIG programable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use.
 NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-2 11 10
 Sample Date: 04-Nov-10
 Sample Time: 19:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 17:45 (11/3/10) Activity End: 19:45 (11/4/10)
 Weather: Partly sunny, 30's
 Well Type and Location: 4" extraction well manhole along Bendix

WATER LEVEL/WELL DATA

Well Depth 43.20 feet using _____ Water Depth: 20.86 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____ (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
22.34 _____ 2.6 gal/ft (8 in)

Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour. Started @ 18:10

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>18:58</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.48</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.16</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>0.85</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-52.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>0.95</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>0.23</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u>			
Water Appearance (describe color, clarity odor)	<u>clear, no odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	<u>N</u>	<u>Y</u>
SVOC, Dioxin Screen	625	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
Pesticides, PCBs	608	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	<u>N</u>	<u>Y</u>
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	<u>N</u>	<u>Y</u>
BOD	5210B	1 1 L Poly		-/	<u>N</u>	<u>Y</u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
TSS	2540D	1 250 ml Poly		-/	<u>N</u>	<u>Y</u>

OTHER OBSERVATIONS

Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-3 11 10
 Sample Date: 05-Nov-10
 Sample Time: 11:40

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 11:30 (11/4/10) Activity End: 12:20 (11/5/10)
 Weather: Rainy, 30's
 Well Type and Location: 4" Extraction well manhole along Bendix

WATER LEVEL/WELL DATA

Well Depth: 30.60 feet using _____ Water Depth: 22.25 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u>0.041</u> gal/ft (1 in)			
Column feet	<u>0.09</u> gal/ft (1.5 in)			
	<u>0.16</u> gal/ft (2 in)	X	<u>3</u>	casing volumes = - _____ gallons to purge
	<u>0.65</u> gal/ft (4 in)			
8.35	<u>2.6</u> gal/ft (8 in)			

Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour. Started @ 12:09

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>12:00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>16.29</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>6.99</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>2.31</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>3.25</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>-0.04</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>3.25</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u> gallons			
Water Appearance (describe color, clarity odor)	<u>clear, no odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	<u>N</u>	<u>Y</u>
SVOC, Dioxin Screen	625	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
Pesticides, PCBs	608	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	<u>N</u>	<u>Y</u>
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	<u>N</u>	<u>Y</u>
BOD	5210B	1 1 L Poly		-/	<u>N</u>	<u>Y</u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
TSS	2540D	1 250 ml Poly		-/	<u>N</u>	<u>Y</u>

OTHER OBSERVATIONS

Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-4 11 10
 Sample Date: 05-Nov-10
 Sample Time: 8:40

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 7:30 (11/4/10) Activity End: 9:20 (11/5/10)
 Weather: cloudy, 30's
 Well Type and Location: 4" Extraction well by black trailer

WATER LEVEL/WELL DATA
 Well Depth: 49.00 feet using _____ Water Depth: 20.45 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Aiconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES
 Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
28.55 2.6 gal/ft (8 in)
 Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour. Started @ 8:10

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>9:05</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>9.71</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>6.71</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>0.75</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>202.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>0.26</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>0.42</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>slightly cloudy, orange, slight odor</u>			

CONTINUED ON REVERSE
SAMPLING PROCEDURES
 Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	<u>624</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
SVOC, Dioxin Screen	<u>625</u>	<u>2 1 L Amber</u>		<u>-/</u>	<u>N</u>	<u>Y</u>
Pesticides, PCBs	<u>608</u>	<u>2 1 L Amber</u>		<u>-/</u>	<u>N</u>	<u>Y</u>
T. Cyanide	<u>4500 CN-E</u>	<u>1 250 ml Poly</u>		<u>NaOH/</u>	<u>N</u>	<u>Y</u>
T. O&G (FOG)	<u>1664-HEM</u>	<u>2 1 L Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
TPH O&G	<u>1664-SGT HEM</u>	<u>2 1 L Amber</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
Ammonia, Nitrogen	<u>4500 NH3-F</u>	<u>1 250 ml Poly</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
T. Metals	<u>200.7/200.8</u>	<u>1 500 ml Poly</u>		<u>HNO3/</u>	<u>N</u>	<u>Y</u>
BOD	<u>5210B</u>	<u>1 1 L Poly</u>		<u>-/</u>	<u>N</u>	<u>Y</u>
Phosphorus	<u>365.1</u>	<u>1 250 ml Poly</u>		<u>H2SO4/</u>	<u>N</u>	<u>Y</u>
TSS	<u>2540D</u>	<u>1 250 ml Poly</u>		<u>-/</u>	<u>N</u>	<u>Y</u>

OTHER OBSERVATIONS
 Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with aiconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: EW-5 11 10
 Sample Date: 05-Nov-10
 Sample Time: 11:15

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 11:00 (11/4/10) Activity End: 11:30 (11/5/10)
 Weather: heavy rain, 30's
 Well Type and Location: 4" Extraction well in manhole along Bendix

WATER LEVEL/WELL DATA

Well Depth 57.00 feet using _____ Water Depth: 25.98 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u>0.041</u> gal/ft (1 in)		
Column feet	<u>0.09</u> gal/ft (1.5 in)		
	<u>0.16</u> gal/ft (2 in)	X <u>3</u>	casing volumes = - _____ gallons to purge
	<u>0.65</u> gal/ft (4 in)		
	<u>2.6</u> gal/ft (8 in)		

31.02
 Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour. Started @ 11:11

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>11:20</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.49</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.17</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1.21</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>10.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>0.56</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>0.57</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>Moderately cloudy, white, no odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC, Dioxin Screen	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: RWB-16 11 10
 Sample Date: 05-Nov-10
 Sample Time: 9:45

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 8:40 (11/4/10) Activity End: 10:00 (11/5/10)
 Weather: cloudy,30's
 Well Type and Location: 4" Recovery well inside Honeywell

WATER LEVEL/WELL DATA
 Well Depth: 23.60 feet using _____ Water Depth: NM feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES
 Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
 #VALUE!
 _____ 2.6 gal/ft (8 in)
 Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour. Started @ 8:55

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>9:43</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>13.37</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.04</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>35.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>1.43</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>2.09</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00 gallons</u>			
Water Appearance (describe color, clarity odor)	<u>Moderately cloudy, black, strong odor</u>			

CONTINUED ON REVERSE
SAMPLING PROCEDURES
 Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): clear, strong odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	<u>N</u>	<u>Y</u>
SVOC, Dioxin Screen	625	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
Pesticides, PCBs	608	2 1 L Amber		-/	<u>N</u>	<u>Y</u>
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	<u>N</u>	<u>Y</u>
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	<u>N</u>	<u>Y</u>
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	<u>N</u>	<u>Y</u>
BOD	5210B	1 1 L Poly		-/	<u>N</u>	<u>Y</u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/	<u>N</u>	<u>Y</u>
TSS	2540D	1 250 ml Poly		-/	<u>N</u>	<u>Y</u>

OTHER OBSERVATIONS
 Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: RWB-23 11 10
 Sample Date: 03-Nov-10
 Sample Time: 13:00

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 9:00 (11/2/10) Activity End: 13:30 (11/3/10)
 Weather: clear, 20's
 Well Type and Location: 4" Recovery well by Dock 10

WATER LEVEL/WELL DATA
 Well Depth 49.80 feet using _____ Water Depth: 28.27 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES
 Height of Water _____ .041 gal/ft (1 in)
 Column feet _____ .09 gal/ft (1.5 in)
 _____ .16 gal/ft (2 in) X 3 casing volumes = _____ gallons to purge
 _____ .65 gal/ft (4 in)
21.53 _____ 2.6 gal/ft (8 in)
 Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 8-12 oz. purged every hour.

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>12:50</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.51</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.19</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1.17</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>16.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>18.84</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>1.13</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u> gallons			
Water Appearance (describe color, clarity odor)	<u>clear</u>			

CONTINUED ON REVERSE
SAMPLING PROCEDURES
 Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): clear, strong sulfur odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC, Dioxin Screen	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS
 Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____
 Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: E3A 11 10
 Sample Date: 04-Nov-10
 Sample Time: 18:10

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 16:00 (11/3/10) Activity End: 18:45 (11/4/10)
 Weather: cloudy, 30's
 Well Type and Location: 4" Recovery well by Stinky Stairs

WATER LEVEL/WELL DATA

Well Depth 21.22 feet using _____ (measuring device) Water Depth: 21.22 feet using _____ (measuring device)
 (from top of well casing) (from top of well casing)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____ (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u>0.041</u> gal/ft (1 in)			
Column feet	<u>0.09</u> gal/ft (1.5 in)			
	<u>0.16</u> gal/ft (2 in)	X	<u>3</u>	casing volumes = - _____ gallons to purge
	<u>0.65</u> gal/ft (4 in)	-		

#VALUE! 2.6 gal/ft (8 in)

Purge Method: Composite 2.5 gallon jug collected over 24 hr. period. ~ 12 oz. purged every hour. Started @ 16:36

Purge Vol. (gal)	<u>5.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Time (Min.)	<u>18:10</u>	<u>na</u>	<u>na</u>	<u>na</u>
Temperature (C°)	<u>14.10</u>	<u>na</u>	<u>na</u>	<u>na</u>
pH (Units)	<u>7.04</u>	<u>na</u>	<u>na</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
ORP (mV)	<u>-66.00</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>-0.09</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>0.09</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>5.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>moderately cloudy, gray, strong odor</u>			

CONTINUED ON REVERSE

SAMPLING PROCEDURES

Sampling Procedure: Composite samples collected from 2.5 gallon composite jug using peristaltic pump. Grab samples collected from sample spigot after purging 5 gallons.
 Sample Water Appearance (color, clarity, odor): cloudy, white, strong odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC, Dioxin Screen	625	2 1 L Amber		-/	N	Y
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/	N	Y
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly		-/	N	Y
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Y

OTHER OBSERVATIONS

Composite samples collected with DIG programmable irrigation timer. Timer and composite jug were decontaminated with alconox and DI rinse prior to use. NAME (Print) Brent Wheat
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 7D 11 10
 Sample Date: 03-Nov-10
 Sample Time: 14:10

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, overcast,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 95.10 feet using - (measuring device) Water Depth: 16.28 feet using - (measuring device)
 (from top of well casing) (from top of well casing)
 Historical Well Depth: - feet Protective Casing Stickup: - feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: - feet
 Floating Product Thickness: - feet using - (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<u>0.041</u> gal/ft (1 in)			
Column feet	<u>0.09</u> gal/ft (1.5 in)			
	<u>X 0.16</u> gal/ft (2 in)	<u>X</u>	<u>3</u>	casing volumes = <u>38.6</u> gallons to purge
	<u>0.65</u> gal/ft (4 in)	12.9		
	78.82	<u>2.6</u> gal/ft (8 in)		

Purge Method: Grundfos & Disposable bailer

Purge Vol. (gal)	<u>13.00</u>	<u>26.00</u>	<u>39.00</u>	<u>44.00</u>
Time (Min.)	<u>13:31</u>	<u>13:37</u>	<u>13:44</u>	<u>14:10</u>
Temperature (C°)	<u>14.10</u>	<u>15.50</u>	<u>15.40</u>	<u>15.00</u>
pH (Units)	<u>7.45</u>	<u>7.21</u>	<u>7.34</u>	<u>7.43</u>
Conductivity at 25°C (mS/cm)	<u>1523.00</u>	<u>1454.00</u>	<u>1441.00</u>	<u>1538.00</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>44.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): rusty, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>	<u>-</u>	<u>HCL/</u>	<u>N</u>	<u>Y</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>/</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>/</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>/</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>/</u>	<u>-</u>	<u>-</u>

OTHER OBSERVATIONS

Grundfos pump @ 2.22 gpm for 39 gallons. Disposable NAME (Print) Megan McMeans
 bailer used for last 5 gallons.
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 9D 11 10
 Sample Date: 03-Nov-10
 Sample Time: 12:15

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 11:30 Activity End: -
 Weather: cold, overcast,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 96.90 feet using _____ Water Depth: 22.06 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)

Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 36.6 gallons to purge
		.65 gal/ft (4 in)	12.2		
	74.84	<u>2.6</u> gal/ft (8 in)			

Purge Method: Grundfos & Disposable bailer

Purge Vol. (gal)	<u>12.00</u>	<u>24.00</u>	<u>36.00</u>	<u>41.00</u>
Time (Min.)	<u>11:49</u>	<u>11:55</u>	<u>12:01</u>	<u>12:15</u>
Temperature (C°)	<u>12.50</u>	<u>12.40</u>	<u>12.60</u>	<u>11.40</u>
pH (Units)	<u>7.87</u>	<u>7.79</u>	<u>7.77</u>	<u>7.82</u>
Conductivity at 25°C (mS/cm)	<u>605.70</u>	<u>612.40</u>	<u>614.30</u>	<u>608.70</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>41.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

Grundfos pump @ 2.22 gpm for 36 gallons. Disposable NAME (Print) Megan McMeans
 bailer used on last 5 gallons.
 SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: D4 11 10
 Sample Date: 02-Nov-10
 Sample Time: 12:50

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cool, sunny,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 118.60 feet using _____ Water Depth: 20.83 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)

Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet

Floating Product Thickness: _____ feet using _____
 (measuring device)

Well Condition: -

Measuring Device Decontamination Procedure: Alconox & DI Rinse

PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<input type="checkbox"/>	.041 gal/ft (1 in)		
Column feet	<input type="checkbox"/>	.09 gal/ft (1.5 in)		
	<input type="checkbox"/>	.16 gal/ft (2 in)	X	3 casing volumes = 191.5 gallons to purge
	<input checked="" type="checkbox"/>	.65 gal/ft (4 in)	63.8	

97.77 2.6 gal/ft (8 in)

Purge Method: Grundfos & Disposable bailer

Purge Vol. (gal)	<u>64.00</u>	<u>128.00</u>	<u>187.00</u>	<u>192.00</u>
Time (Min.)	<u>11:43</u>	<u>12:12</u>	<u>12:39</u>	<u>12:50</u>
Temperature (C°)	<u>14.20</u>	<u>14.40</u>	<u>14.80</u>	<u>14.40</u>
pH (Units)	<u>8.48</u>	<u>7.67</u>	<u>7.63</u>	<u>7.71</u>
Conductivity at 25°C (mS/cm)	<u>655.30</u>	<u>1057.00</u>	<u>1068.00</u>	<u>1059.00</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>193.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>-</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer

Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

Collect MS/MSD. Grundfos pumped @ 2.22 gpm for 187 gallons. Disposable bailer used on last 5 gallons. NAME (Print) Megan McMeans

SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: D5 11 10
 Sample Date: 02-Nov-10
 Sample Time: 10:55

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 7:45 Activity End: -
 Weather: cold, clear,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA
 Well Depth: 186.80 feet using _____ Water Depth: 14.87 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 336.7 gallons to purge
	X	.65 gal/ft (4 in)	112.2		

171.93 2.6 gal/ft (8 in)
 Purge Method: Grundfos and Disposable bailer

Purge Vol. (gal)	<u>111.00</u>	<u>222.00</u>	<u>333.00</u>	<u>338.00</u>
Time (Min.)	<u>9:02</u>	<u>9:52</u>	<u>10:42</u>	<u>10:55</u>
Temperature (C°)	<u>13.70</u>	<u>14.00</u>	<u>13.70</u>	<u>13.80</u>
pH (Units)	<u>7.84</u>	<u>7.85</u>	<u>7.90</u>	<u>7.87</u>
Conductivity at 25°C (mS/cm)	<u>456.50</u>	<u>480.50</u>	<u>486.50</u>	<u>484.30</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>338.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES
 Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS
 Grundfos pump @ 2.22 gpm to purge 333 gallons. NAME (Print) Megan McMeans
 Disposable bailer used to purge last 5 gallons.
 SIGNATURE: _____
 Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: D7 11 10
 Sample Date: 02-Nov-10
 Sample Time: 14:55

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 13:30 Activity End: -
 Weather: cool, sunny,
 Well Type and Location: monitor well

WATER LEVEL/WELL DATA
 Well Depth: 78.40 feet using _____ Water Depth: 12.74 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 128.6 gallons to purge
	X	.65 gal/ft (4 in)	42.9		

65.66 2.6 gal/ft (8 in)
 Purge Method: Grundfos and disposable bailer

Purge Vol. (gal)	<u>43.00</u>	<u>86.00</u>	<u>129.00</u>	<u>134.00</u>
Time (Min.)	<u>14:02</u>	<u>14:22</u>	<u>14:42</u>	<u>14:55</u>
Temperature (C°)	<u>15.20</u>	<u>15.30</u>	<u>15.30</u>	<u>15.50</u>
pH (Units)	<u>8.04</u>	<u>7.87</u>	<u>7.83</u>	<u>7.89</u>
Conductivity at 25°C (mS/cm)	<u>633.20</u>	<u>642.50</u>	<u>645.80</u>	<u>649.30</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>134.00 gallons</u>			
Water Appearance (describe color, clarity odor;)	<u>-</u>			

SAMPLING PROCEDURES
 Sampling Procedure: disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		

OTHER OBSERVATIONS
 Grundfos pump @ 2.2 gpm for 129 gallons. Disposable NAME (Print) Megan McMeans
 bailer used for last 5 gallons.
 SIGNATURE: _____
 Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: D8 11 10
 Sample Date: 03-Nov-10
 Sample Time: 12:50

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 15:15 Activity End: -
 Weather: cool, sunny,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 61.90 feet using _____ Water Depth: 15.95 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water	<input type="checkbox"/>	.041 gal/ft (1 in)			
Column feet	<input type="checkbox"/>	.09 gal/ft (1.5 in)			
	<input type="checkbox"/>	.16 gal/ft (2 in)	X	3	casing volumes = 90.0 gallons to purge
	<input checked="" type="checkbox"/>	.65 gal/ft (4 in)	30.0		

45.95 2.6 gal/ft (8 in)

Purge Method: Grundfos and disposable bailer

Purge Vol. (gal)	<u>5 (11/2/10)</u>	<u>10 (11/2/10)</u>	<u>na</u>	<u>5 (11/3/10)</u>
Time (Min.)	<u>15:20</u>	<u>15:23</u>	<u>na</u>	<u>12:50</u>
Temperature (C°)	<u>15.90</u>	<u>16.30</u>	<u>na</u>	<u>14.50</u>
pH (Units)	<u>8.55</u>	<u>8.58</u>	<u>na</u>	<u>7.61</u>
Conductivity at 25°C (mS/cm)	<u>713.30</u>	<u>713.90</u>	<u>na</u>	<u>1189.00</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>30.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>blackish gray to rusty brown, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Disposable bailer
 Sample Water Appearance (color, clarity, odor): -

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

Grundfos pump @ 2.22 gpm to start. Pump dry after 25 gallons. Purge 5 gallons with disposable bailer on 11/3/10 prior to sampling. NAME (Print) Megan McMeans
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: D12 11 10
 Sample Date: 03-Nov-10
 Sample Time: 10:45

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 8:20 Activity End: -
 Weather: cold, clear,
 Well Type and Location: -

WATER LEVEL/WELL DATA

Well Depth: 147.10 feet using _____ Water Depth: 20.83 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 247.3 gallons to purge
	X	.65 gal/ft (4 in)	82.4	

126.27 2.6 gal/ft (8 in)

Purge Method: Grundfos & disposable bailer

Purge Vol. (gal)	<u>82.00</u>	<u>164.00</u>	<u>246.00</u>	<u>251.00</u>
Time (Min.)	<u>9:24</u>	<u>10:01</u>	<u>10:38</u>	<u>10:45</u>
Temperature (C°)	<u>11.60</u>	<u>11.90</u>	<u>12.00</u>	<u>12.10</u>
pH (Units)	<u>7.32</u>	<u>7.64</u>	<u>7.57</u>	<u>7.63</u>
Conductivity at 25°C (mS/cm)	<u>1161.00</u>	<u>1147.00</u>	<u>1159.00</u>	<u>1151.00</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>251.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>Grayish, slight sulfur odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: disposable bailer
 Sample Water Appearance (color, clarity, odor): grayish

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

MW-100 = Duplicate Sample. Grundfos pump @ 2.22 gpm NAME (Print) Megan McMeans
 for 246 gallons. Disposable bailer used for last 5 gallons.
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 2D 11 10
 Sample Date: 04-Nov-10
 Sample Time: 16:25

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 14:30 Activity End: 16:30
 Weather: cloudy,30's
 Well Type and Location: 1.5" flushmount in front of Bosch along Bendix

WATER LEVEL/WELL DATA

Well Depth: 188.30 feet using _____ Water Depth: 15.56 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 47.6 gallons to purge
		.65 gal/ft (4 in)	15.9	
172.74		<u>2.6 gal/ft (8 in)</u>		

Purge Method: Air lift/peristaltic

Purge Vol. (gal)	<u>11.66</u>	<u>23.32</u>	<u>34.98</u>	<u>46.64</u>
Time (Min.)	<u>15:38</u>	<u>15:51</u>	<u>16:04</u>	<u>16:18</u>
Temperature (C°)	<u>12.05</u>	<u>10.94</u>	<u>11.06</u>	<u>10.85</u>
pH (Units)	<u>6.77</u>	<u>6.95</u>	<u>7.01</u>	<u>7.04</u>
Conductivity at 25°C (mS/cm)	<u>1.08</u>	<u>1.04</u>	<u>1.04</u>	<u>1.04</u>
ORP (mV)	<u>262.00</u>	<u>150.00</u>	<u>42.00</u>	<u>-7.00</u>
Turb (NTU)	<u>61.93</u>	<u>90.36</u>	<u>36.95</u>	<u>31.77</u>
DO (%)	<u>4.63</u>	<u>0.93</u>	<u>0.93</u>	<u>0.97</u>
Total Volume Purged	<u>48.00 gallons</u>			
Water Appearance (describe color, clarity odor:)	<u>cloudy/orange</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

MW-104 = Duplicate Sample. Peristaltic intake located approximately 50' below air lift injection point. NAME (Print) Brent Wheat
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-2 11 10
 Sample Date: 04-Nov-10
 Sample Time: 13:01

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, raining,
 Well Type and Location: 2" flushmount near Carbon Brake

WATER LEVEL/WELL DATA

Well Depth: 15.40 feet using _____ Water Depth: 11.62 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 1.9 gallons to purge
		.65 gal/ft (4 in)	0.6		
	3.78	<u>2.6</u> gal/ft (8 in)			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.60</u>	<u>1.20</u>	<u>1.80</u>	<u>na</u>
Time (Min.)	<u>12:53</u>	<u>12:57</u>	<u>13:01</u>	<u>na</u>
Temperature (C°)	<u>12.10</u>	<u>12.20</u>	<u>12.40</u>	<u>na</u>
pH (Units)	<u>7.52</u>	<u>7.38</u>	<u>7.37</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1131.00</u>	<u>1128.00</u>	<u>1125.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>1.80</u> gallons			
Water Appearance (describe color, clarity odor:)	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-4 11 10
 Sample Date: 04-Nov-10
 Sample Time: 14:01

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, raining,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 21.00 feet using _____ Water Depth: 15.75 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 2.6 gallons to purge
		.65 gal/ft (4 in)	0.9		

5.25 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.90</u>	<u>1.80</u>	<u>2.70</u>	<u>na</u>
Time (Min.)	<u>13:51</u>	<u>13:56</u>	<u>14:01</u>	<u>na</u>
Temperature (C°)	<u>16.10</u>	<u>16.30</u>	<u>16.40</u>	<u>na</u>
pH (Units)	<u>7.47</u>	<u>7.57</u>	<u>7.51</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1514.00</u>	<u>1533.00</u>	<u>1544.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>2.70</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-5 11 10
 Sample Date: 04-Nov-10
 Sample Time: 11:55

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, raining,
 Well Type and Location: Monitoring well

WATER LEVEL/WELL DATA

Well Depth: 20.80 feet using _____ Water Depth: 16.3 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 2.2 gallons to purge
		.65 gal/ft (4 in)	0.7		

4.5 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.75</u>	<u>1.50</u>	<u>2.25</u>	<u>na</u>
Time (Min.)	<u>11:46</u>	<u>11:50</u>	<u>11:55</u>	<u>na</u>
Temperature (C°)	<u>13.90</u>	<u>14.30</u>	<u>14.30</u>	<u>na</u>
pH (Units)	<u>7.07</u>	<u>7.02</u>	<u>7.01</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1615.00</u>	<u>1541.00</u>	<u>1527.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>2.25</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-7 11 10
 Sample Date: 01-Nov-10
 Sample Time: 17:53

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 17:00 Activity End: 18:15
 Weather: Indoors, 0
 Well Type and Location: 2" flushmount in Plant 1

WATER LEVEL/WELL DATA

Well Depth: 22.80 feet using _____ Water Depth: 15.23 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 3.7 gallons to purge
		.65 gal/ft (4 in)	1.2		

7.57 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.91</u>	<u>1.82</u>	<u>2.73</u>	<u>3.62</u>
Time (Min.)	<u>17:30</u>	<u>17:44</u>	<u>17:46</u>	<u>17:51</u>
Temperature (C°)	<u>14.80</u>	<u>14.82</u>	<u>14.83</u>	<u>14.82</u>
pH (Units)	<u>6.66</u>	<u>6.78</u>	<u>6.79</u>	<u>6.81</u>
Conductivity at 25°C (mS/cm)	<u>0.95</u>	<u>0.95</u>	<u>0.95</u>	<u>0.95</u>
ORP (mV)	<u>38.00</u>	<u>-29.00</u>	<u>-34.00</u>	<u>-39.00</u>
Turb (NTU)	<u>723.10</u>	<u>27.52</u>	<u>147.00</u>	<u>292.40</u>
DO (%)	<u>0.07</u>	<u>-0.03</u>	<u>-0.04</u>	<u>-0.04</u>
Total Volume Purged	<u>4.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>slightly cloudy, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-9 11 10
 Sample Date: 04-Nov-10
 Sample Time: 14:33

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, raining,;
 Well Type and Location: 2" flushmount in parking lot

WATER LEVEL/WELL DATA

Well Depth: 19.80 feet using _____ Water Depth: 14.6 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet		.09 gal/ft (1.5 in)		
	X	.16 gal/ft (2 in)	X	3 casing volumes = 2.5 gallons to purge
		.65 gal/ft (4 in)	0.8	

5.2 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.90</u>	<u>1.80</u>	<u>2.70</u>	<u>na</u>
Time (Min.)	<u>14:23</u>	<u>14:28</u>	<u>14:33</u>	<u>na</u>
Temperature (C°)	<u>16.80</u>	<u>17.20</u>	<u>17.30</u>	<u>na</u>
pH (Units)	<u>7.33</u>	<u>7.25</u>	<u>7.22</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1389.00</u>	<u>1336.00</u>	<u>1325.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>2.70 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		

OTHER OBSERVATIONS

MW-103 = Duplicate Sample NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-11 11 10
 Sample Date: 04-Nov-10
 Sample Time: 12:32

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: 12:13 Activity End: -
 Weather: cold, raining,
 Well Type and Location: 2" flushmount near carbon brake

WATER LEVEL/WELL DATA

Well Depth: 21.70 feet using _____ Water Depth: 16.87 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 2.4 gallons to purge
		.65 gal/ft (4 in)	0.8		
4.83		<u>2.6 gal/ft (8 in)</u>			

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.80</u>	<u>1.60</u>	<u>2.40</u>	<u>na</u>
Time (Min.)	<u>12:22</u>	<u>12:27</u>	<u>12:32</u>	<u>na</u>
Temperature (C°)	<u>13.20</u>	<u>13.50</u>	<u>13.50</u>	<u>na</u>
pH (Units)	<u>7.29</u>	<u>7.31</u>	<u>7.25</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1881.00</u>	<u>1588.00</u>	<u>1513.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>2.40 gallons</u>			
Water Appearance (describe color, clarity odor:)	<u>clear, sulfur odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, sulfur odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

MW-102 = Duplicate sample NAME (Print) Megan McMeans
 SIGNATURE: _____

Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: MW-12 11 10
 Sample Date: 04-Nov-10
 Sample Time: 13:24

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, raining,
 Well Type and Location: 2" flushmount near Carbon Brake

WATER LEVEL/WELL DATA

Well Depth: 13.80 feet using _____ Water Depth: 10.37 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet		.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 1.7 gallons to purge
		.65 gal/ft (4 in)	0.6		

3.43 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.60</u>	<u>1.20</u>	<u>1.80</u>	<u>na</u>
Time (Min.)	<u>13:16</u>	<u>13:20</u>	<u>13:24</u>	<u>na</u>
Temperature (C°)	<u>13.90</u>	<u>14.10</u>	<u>14.20</u>	<u>na</u>
pH (Units)	<u>7.55</u>	<u>7.45</u>	<u>7.37</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>1174.00</u>	<u>1170.00</u>	<u>1165.00</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>1.80</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Megan McMeans

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: MW-13 11 10
 Sample Date: 02-Nov-10
 Sample Time: 19:05

SITE/SAMPLE LOCATION
 Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 18:40 Activity End: 19:15
 Weather: ,30's
 Well Type and Location: 2" flushmount in front of Gate 9

WATER LEVEL/WELL DATA
 Well Depth: 18.80 feet using _____ Water Depth: 15.05 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: good
 Measuring Device/Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column	feet	.09 gal/ft (1.5 in)			
	X	.16 gal/ft (2 in)	X	3	casing volumes = 1.8 gallons to purge
		.65 gal/ft (4 in)	0.6		

3.75 2.6 gal/ft (8 in)
 Purge Method: peristaltic

Purge Vol. (gal)	0.45	0.90	1.35	1.80
Time (Min.)	18:47	18:51	18:56	19:01
Temperature (C°)	16.00	15.96	15.94	15.94
pH (Units)	7.38	7.32	7.31	7.30
Conductivity at 25°C (mS/cm)	0.78	0.78	0.77	0.77
ORP (mV)	-51.00	-44.00	-41.00	-38.00
Turb (NTU)	1751.00	208.30	1417.00	323.20
DO (%)	0.26	0.20	0.18	0.17
Total Volume Purged	2.00 gallons			
Water Appearance (describe color, clarity odor):	slightly cloudy			

SAMPLING PROCEDURES
 Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		
				/		

OTHER OBSERVATIONS
 NAME (Print) Brent Wheat
 SIGNATURE: _____
 Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 86-10 11 10
 Sample Date: 03-Nov-10
 Sample Time: 11:04

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 10:40 Activity End: 11:10
 Weather: Indoors,
 Well Type and Location: 1.5" flushmount inside Bosch

WATER LEVEL/WELL DATA

Well Depth: 27.00 feet using _____ Water Depth: 14.94 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 3.3 gallons to purge
		.65 gal/ft (4 in)	1.1		

12.06 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.82</u>	<u>1.64</u>	<u>2.46</u>	<u>3.83</u>
Time (Min.)	<u>10:48</u>	<u>10:53</u>	<u>10:58</u>	<u>11:03</u>
Temperature (C°)	<u>18.94</u>	<u>18.93</u>	<u>18.93</u>	<u>18.93</u>
pH (Units)	<u>7.01</u>	<u>7.02</u>	<u>7.03</u>	<u>7.03</u>
Conductivity at 25°C (mS/cm)	<u>2.13</u>	<u>2.14</u>	<u>2.14</u>	<u>2.14</u>
ORP (mV)	<u>81.00</u>	<u>-2.00</u>	<u>-26.00</u>	<u>-34.00</u>
Turb (NTU)	<u>9.76</u>	<u>6.49</u>	<u>5.43</u>	<u>2.42</u>
DO (%)	<u>0.01</u>	<u>0.05</u>	<u>0.01</u>	<u>-0.01</u>
Total Volume Purged	<u>4.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>slightly cloudy</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 86-15 11 10
 Sample Date: 03-Nov-10
 Sample Time: 10:28

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: JPS/BMW
 Activity Start: 9:15 Activity End: 10:30
 Weather: Indoors,
 Well Type and Location: 1.5" flushmount inside Bosch

WATER LEVEL/WELL DATA

Well Depth: 25.30 feet using _____ Water Depth: 15.22 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: Good
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 2.8 gallons to purge
		.65 gal/ft (4 in)	0.9	

10.08 2.6 gal/ft (8 in)

Purge Method: peristaltic

Purge Vol. (gal)	<u>0.68</u>	<u>1.36</u>	<u>2.04</u>	<u>2.72</u>
Time (Min.)	<u>10:13</u>	<u>10:18</u>	<u>10:21</u>	<u>10:25</u>
Temperature (C°)	<u>19.56</u>	<u>19.64</u>	<u>19.65</u>	<u>19.69</u>
pH (Units)	<u>6.84</u>	<u>6.88</u>	<u>6.89</u>	<u>6.90</u>
Conductivity at 25°C (mS/cm)	<u>5.54</u>	<u>5.47</u>	<u>5.48</u>	<u>5.49</u>
ORP (mV)	<u>223.00</u>	<u>216.00</u>	<u>213.00</u>	<u>209.00</u>
Turb (NTU)	<u>41.58</u>	<u>37.00</u>	<u>58.69</u>	<u>54.69</u>
DO (%)	<u>0.05</u>	<u>0.03</u>	<u>0.01</u>	<u>0.00</u>
Total Volume Purged	<u>3.00</u> gallons			
Water Appearance (describe color, clarity odor):	<u>clear</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL/</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

NAME (Print) Brent Wheat

SIGNATURE: _____

- Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: 7-25 11 10
 Sample Date: 04-Nov-10
 Sample Time: 10:00

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, overcast, raining,
 Well Type and Location: 1.5" stickup

WATER LEVEL/WELL DATA

Well Depth: 26.60 feet using _____ Water Depth: 20.2 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)		
Column feet	X	.09 gal/ft (1.5 in)		
		.16 gal/ft (2 in)	X	3 casing volumes = 1.8 gallons to purge
		.65 gal/ft (4 in)	0.6	

6.4 2.6 gal/ft (8 in)

Purge Method: Peristaltic

Purge Vol. (gal)	<u>0.50</u>	<u>1.00</u>	<u>1.70</u>	<u>na</u>
Time (Min.)	<u>9:50</u>	<u>9:55</u>	<u>10:00</u>	<u>na</u>
Temperature (C°)	<u>12.20</u>	<u>12.60</u>	<u>12.50</u>	<u>na</u>
pH (Units)	<u>7.64</u>	<u>7.53</u>	<u>7.55</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>978.60</u>	<u>863.50</u>	<u>859.70</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>1.80 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: Peristaltic

Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
<u>VOC</u>	<u>8260B</u>	<u>3 40 ml VOA</u>		<u>HCL</u>	<u>N</u>	<u>Y</u>
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		
				<u>/</u>		

OTHER OBSERVATIONS

Collect MS/MSD. NAME (Print) Megan McMeans

SIGNATURE: _____

Notes: (1) *Described whether well was locked and the condition of the protective casing and concrete collar.*
 (2) *Describe sequence of purging/sampling including equipment type and decontamination method.*



Sample No.: 7-50 11 10
 Sample Date: 04-Nov-10
 Sample Time: 11:10

SITE/SAMPLE LOCATION

Site Name: Honeywell South Bend Project No.: 3310102011
 Personnel Present: MLM - Peerless Midwest
 Activity Start: - Activity End: -
 Weather: cold, raining,
 Well Type and Location: 1.5" stickup

WATER LEVEL/WELL DATA

Well Depth: 50.00 feet using _____ Water Depth: 19.73 feet using _____
 (from top of well casing) (measuring device) (from top of well casing) (measuring device)
 Historical Well Depth: _____ feet Protective Casing Stickup: _____ feet Protect. Casing Well
 (from ground surface) (for above-ground surface) Casing Difference: _____ feet
 Floating Product Thickness: _____ feet using _____
 (measuring device)
 Well Condition: -
 Measuring Device Decontamination Procedure: Alconox & DI Rinse
 PI Meter ID: na Ambient Air: na ppm Well Mouth: na ppm

PURGING PROCEDURES

Height of Water		.041 gal/ft (1 in)			
Column feet	X	.09 gal/ft (1.5 in)			
		.16 gal/ft (2 in)	X	3	casing volumes = 8.3 gallons to purge
		.65 gal/ft (4 in)	2.8		

30.27 2.6 gal/ft (8 in)

Purge Method: Dedicated Bailer & Peristaltic Pump

Purge Vol. (gal)	<u>3.00</u>	<u>6.00</u>	<u>9.00</u>	<u>na</u>
Time (Min.)	<u>10:40</u>	<u>10:55</u>	<u>11:10</u>	<u>na</u>
Temperature (C°)	<u>11.50</u>	<u>11.10</u>	<u>11.60</u>	<u>na</u>
pH (Units)	<u>7.64</u>	<u>7.61</u>	<u>7.62</u>	<u>na</u>
Conductivity at 25°C (mS/cm)	<u>849.10</u>	<u>838.40</u>	<u>840.80</u>	<u>na</u>
ORP (mV)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Turb (NTU)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
DO (%)	<u>na</u>	<u>na</u>	<u>na</u>	<u>na</u>
Total Volume Purged	<u>9.00 gallons</u>			
Water Appearance (describe color, clarity odor):	<u>clear, no odor</u>			

SAMPLING PROCEDURES

Sampling Procedure: peristaltic
 Sample Water Appearance (color, clarity, odor): clear, no odor

ANALYTICAL PARAMETERS

Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				/		
				/		
				/		

OTHER OBSERVATIONS

Dedicated bailer used to purge 3 gallons, peristaltic pump used to purge 6 gallons. NAME (Print) Megan McMeans
 SIGNATURE: _____

- Notes: (1) Described whether well was locked and the condition of the protective casing and concrete collar.
 (2) Describe sequence of purging/sampling including equipment type and decontamination method.

APPENDIX B

ANALYTICAL RESULTS – YEAR 2010

Analytical Results Groundwater Samples
 VOC Recovery Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

CONSTITUENTS	EPA_MCL	EW-1 05 10		EW-2 05 10		EW-3 05 10		EW-4 05 10		EW-5 05 10	
		Sample Date	Primary	Sample Date	Primary	Sample Date	Primary	Sample Date	Primary	Sample Date	Primary
Volatle Organic Compounds											
1,1,1-TRICHLOROETHANE	200	2.5 U	5 U	26	21	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	NA	8.8	15	34	29	1 U	1 U	2.9	1 U	1 U	2.5 U
1,1-DICHLOROETHANE	7	2.5 U	5 U	5.2	5.3	1 U	1 U	1 U	1 U	1 U	2.5 U
1,2-DICHLOROETHANE	5	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	[7.7]
1,2-DICHLOROETHENE (TOTAL)	NA	200	240	140	120	52	56	49	60	9.9	160
1,2-DICHLOROPROPANE	5	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	2.5 U
BENZENE	5	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	2.5 U
CHLOROETHANE	NA	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	2.5 U
CIS-1,2-DICHLOROETHENE	70	[170]	[210]	[130]	[110]	28	28	46	57	3.9	[130]
TETRACHLOROETHENE	5	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	2.5 U
TOLUENE	1000	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	2.5 U
TRANS-1,2-DICHLOROETHENE	100	24	34	12	9.4	24	28	3.4	2.8	6.1	26
TRANS-1,3-DICHLOROPROPENE	NA	2.5 U	5 U	2.5 U	2 U	1 U	1 U	1 U	1 U	1 U	2.5 U
TRICHLOROETHENE	5	[35]	[30]	[89]	[75]	[7.1]	[7.7]	[8.1]	1.8	[30]	2.5 U
VINYL CHLORIDE	2	[16]	[32]	[6.3]	[6.2]	1 U	1 U	1 U	1 U	1 U	[5.8]
Inorganics											
ARSENIC, (Total)	10	5.3	8.7	3.2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHROMIUM, (Total)	100	16.3	26.8	170	11.2	2 U	2 U	23.4	2 U	2 U	2 U
COPPER (Total)	1,300	2	4.9	[57]	3.9	1 U	1 U	3	2.1	5.1	8.9
LEAD (Total)	15	3.2	.6	5.1	2.3	7	4.6	163	2 U	2 U	21.2
NICKEL (Total)	NA	113	280	124	43.9	10 U	191	48	29.7	10 U	167
ZINC (Total)	NA	19	12	16	38	10 U	10 U	10 U	10 U	10 U	28
CYANIDE	200	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U
BIOCHEMICAL OXYGEN DEMAND (BOD)	NA	500	500	300	400	200 U	200 U	200	200	200 U	400
NITROGEN, AMMONIA (AS N)	NA	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U	7,100
OIL AND GREASE (Total)	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TOTAL PHOSPHORUS	NA	9,000	19,000	6,000	4,000 U	4,000 U	13,000	8,000	11,000	4,000 U	17,000
TOTAL SUSPENDED SOLIDS (TSS)	NA										

Notes:
 U = not detected above indicated laboratory reporting limit
 [170] = concentration is equal to or greater than the EPA
 Maximum Contaminant Level (MCL) for Drinking Water
 -- = not analyzed
 NA = not available

Analytical Results Groundwater Samples
 Naphtha Recovery Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

Field Sample ID	EPA_MCL	E3A 05 10	E3A 11 10	RWB-16 05 10	RWB-16 11 10	RWB-23 05 10	RWB-23 11 10
Sample Date		05/04/10	11/04/10	05/06/10	11/05/10	05/06/10	11/03/10
	Units	Primary	Primary	Primary	Primary	Primary	Primary
CONSTITUENTS							
Volatiles Organic Compounds							
1,1,1-TRICHLOROETHANE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
1,1-DICHLOROETHANE	ug/L	7	5.8	1 U	1 U	8 U	10 U
1,1-DICHLOROETHENE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
1,2-DICHLOROETHANE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
1,2-DICHLOROETHENE (TOTAL)	ug/L	8.6	6.5	2 U	2 U	390	470
1,2-DICHLOROPROPANE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
BENZENE	ug/L	1.9	1.9	[11]	[11]	[24]	[18]
CHLOROETHANE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
CIS-1,2-DICHLOROETHENE	ug/L	7.3	5.3	1 U	1 U	[390]	[460]
NAPHTHALENE	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
TOLUENE	ug/L	1000	1 U	1 U	1 U	8 U	10
TRANS-1,2-DICHLOROETHENE	ug/L	1.3	1.2	1 U	1 U	8 U	10 U
TRANS-1,3-DICHLOROPROPENE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
TRICHLOROETHENE	ug/L	1 U	1 U	1 U	1 U	8 U	10 U
VINYL CHLORIDE	ug/L	[9.4]	[9.8]	1 U	1 U	[160]	[170]
						[91]	[110]
Inorganics							
ARSENIC, (Total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
CHROMIUM, (Total)	ug/L	2 U	2 U	2 U	2 U	2 U	2 U
COPPER (Total)	ug/L	2 U	2 U	2 U	2 U	2 U	2 U
LEAD (Total)	ug/L	1 U	6.5	1 U	1 U	4.1	26.2
NICKEL (Total)	ug/L	11.7	19	2 U	2 U	1 U	[32.5]
ZINC (Total)	ug/L	21.6	171	10 U	10 U	11.1	38.2
CYANIDE	ug/L	17	19	2,000 U	2,000 U	44.2	188
BIOCHEMICAL OXYGEN DEMAND (BOD)	ug/L	2,000 U	6,000	2,000 U	2,000 U	2,000 U	2,000 U
NITROGEN, AMMONIA (AS N)	ug/L	500	500	5,000 U	5,000 U	500	200
OIL AND GREASE (Total)	ug/L	100 U	100 U	100 U	100 U	100 U	100 U
TOTAL PHOSPHORUS	ug/L	NA	160	160	140	120	120
TOTAL SUSPENDED SOLIDS (TSS)	ug/L	4,000 U	4,000 U	4,000 U	6,000	4,000 U	14,000

Notes:
 U = not detected above indicated laboratory reporting limit
 [9.8] = concentration is equal to or greater than the EPA
 Maximum Contaminant Level (MCL) for Drinking Water
 -- = not analyzed
 NA = not available

Analytical Results Groundwater Samples
 Shallow Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

Field Sample ID	7-25 05 10	7-25 11 10	86-10 05 10	86-10 11 10	86-15 05 10	86-15 11 10	MW-2 05 10	MW-2 11 10	MW-4 05 10	MW-4 11 10	MW-5 05 10	
Sample Date	05/04/10	11/04/10	05/05/10	11/03/10	05/05/10	11/03/10	05/05/10	11/04/10	05/05/10	11/04/10	05/05/10	
	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	
CONSTITUENTS	EPA_MCL											
Volatile Organic Compounds	Units											
1,1,1-TRICHLOROETHANE	1 U	1 U	3.9	3.5	5.7 U	2 U	[740]	[610]	1 U	2.4	3.4	
1,1-DICHLOROETHANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	140	170	2.5	10	1 U	
1,1-DICHLOROETHANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
1,2-DICHLOROETHANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
1,2-DICHLOROETHANE	--	1 U	--	62	--	53	--	3,500	--	140	--	
1,2-DICHLOROPROPANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
2-BUTANONE	10 U	5 U	17 U	5 U	57 U	10 U	910 U	200 U	10 U	10 U	10 U	
ACETONE	10 U	5 U	17 U	5 U	57 U	10 U	910 U	200 U	10 U	10 U	10 U	
BENZENE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
CARBON DISULFIDE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
CHLOROETHANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
CIS-1,2-DICHLOROETHENE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
DIBROMOMETHANE	1 U	1 U	49	54	21	21	[3,500]	[3,500]	3.3	[140]	1 U	
IODOMETHANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
METHYLCYCLOHEXANE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
NAPHTHALENE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
TETRACHLOROETHENE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
TOLUENE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
TRANS-1,2-DICHLOROETHENE	1 U	1 U	6.2	7.5	35	32	91 U	41	1 U	2 U	1 U	
TRANS-1,3-DICHLOROPROPENE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	2 U	1 U	
TRICHLOROETHENE	1 U	1 U	[23]	[20]	[160]	[160]	[140]	[170]	[16]	[14]	[18]	
VINYL CHLORIDE	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 U	[17]	1	
Inorganics												
CYANIDE	10 U	--	10 U	--	10 U	--	10 U	--	10 U	--	10 U	
TOTAL PHENOLS	40 U	--	40 U	--	40 U	--	40 U	--	40 U	--	40 U	
Arsenic - filtered	10 U	--	10 U	--	10 U	--	10 U	--	10 U	--	10 U	
CHROMIUM - filtered	5 U	--	5 U	--	5 U	--	5 U	--	5 U	--	5 U	
LEAD - filtered	3 U	--	3 U	--	3 U	--	3 U	--	3 U	--	3 U	
NICKEL - filtered	40 U	--	40 U	--	40 U	--	40 U	--	40 U	--	40 U	

Notes:
 U = not detected above indicated laboratory reporting limit
 [23] = concentration is equal to or greater than the EPA
 Maximum Contaminant Level (MCL) for Drinking Water
 -- = not analyzed
 NA = not available

Analytical Results Groundwater Samples
 Shallow Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

Field Sample ID	MW-5 11 10	MW-7 05 10	MW-7 11 10	MW-9 05 10	MW-9 11 10	MW-103	MW-10 05 10	MW-104	MW-11 05 10	MW-11 11 10	MW-102	MW-12 05 10
Sample Date	11/04/10	05/05/10	11/01/10	05/05/10	11/04/10	11/04/10	05/05/10	05/05/10	05/05/10	11/04/10	11/04/10	05/05/10
EPA_MCL	4.9	6.5	7.7									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
CONSTITUENTS												
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	28	28	5.7 U	4.4 U	4.7 U	6.7 U
1,1-DICHLOROETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	3.3	3.3 U	8	10	9.6	6.7 U
1,1-DICHLOROETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
1,2-DICHLOROETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
1,2-DICHLOROETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
1,2-DICHLOROPROPANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
2-BUTANONE	5 U	17 U	5 U	10 U	5 U	5 U	33 U	33 U	57 U	22 U	24 U	67 U
ACETONE	5 U	17 U	5 U	10 U	5 U	5 U	33 U	33 U	57 U	22 U	24 U	67 U
BENZENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
CARBON DISULFIDE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
CHLOROETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
CIS-1,2-DICHLOROETHENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
DIBROMOMETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
IODOMETHANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
METHYLCYCLOHEXANE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
NAPHTHALENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
TETRACHLOROETHENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
TOLUENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
TRANS-1,2-DICHLOROETHENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
TRANS-1,3-DICHLOROPROPENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
TRICHLOROETHENE	1 U	1.7 U	1 U	1 U	1 U	1 U	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
VINYL CHLORIDE	2	[44]	[54]	1	1 U	1 U	[95]	[90]	[28]	[31]	[34]	[15]
Inorganics												
CYANIDE	200	10 U		10 U			10 U	10 U	10 U			10 U
TOTAL PHENOLS	NA	40 U		40 U			40 U	40 U	40 U			40 U
Arsenic - filtered	10	10 U		10 U			10 U	10 U	10 U			10 U
CHROMIUM - filtered	100	5 U		5 U			5 U	5 U	5 U			5 U
LEAD - filtered	15	3 U		3 U			3 U	3 U	3 U			3 U
NICKEL - filtered	NA	40 U		40 U			40 U	40 U	40 U			40 U

Notes:
 U = not detected above indicated laboratory reporting limit
 [23] = concentration is equal to or greater than the EPA
 Maximum Contaminant Level (MCL) for Drinking Water
 -- = not analyzed
 NA = not available

Analytical Results Groundwater Samples
 Shallow Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

CONSTITUENTS	Field Sample ID	Sample Date	EPA_MCL	MW-12 11 10		MW-13 05 10		MW-13 11 10		S3 11 10		S4A 05 10		S4A 11 10		S9 05 10		S9 11 10		S14 05 10		S14 11 10			
				Primary	11/04/10	Primary	05/05/10	Primary	11/02/10	Primary	05/05/10	Primary	11/04/10	Primary	11/02/10	Primary	05/03/10	Primary	11/02/10	Primary	05/05/10	Primary	11/03/10	Primary	05/05/10
Volatiles Organic Compounds																									
1,1,1-TRICHLOROETHANE	200	1	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	NA	1.6	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	7		7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	5		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	NA	59	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	5		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-BUTANONE	NA		NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	NA		NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	5		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	70	51	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IODOMETHANE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYLCYCLOHEXANE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1,000		1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	100	7.6	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	NA		NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5	[7.9]	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2		2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics																									
CYANIDE	200		200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOTAL PHENOLS	NA		NA	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Arsenic - filtered	10		10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHROMIUM - filtered	100		100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
LEAD - filtered	15		15	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
NICKEL - filtered	NA		NA	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U

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Analytical Results Groundwater Samples
 Shallow Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

Field Sample ID	Sample Date	EPA_MCL	Unifs	Volatiles Organic Compounds	S15 05/10		S16 05/10		S17 05/10		S20 05/10		S21 05/10		S21 11/10	
					Primary	11/03/10	Primary	05/03/10	Primary	11/02/10	Primary	05/04/10	Primary	05/04/10	Primary	05/04/10
1,1,1-TRICHLOROETHANE	200	1 U	9.1 U	7	1.9	2	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	NA	1 U	9.1 U	3.2 U	2	2	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	7	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	5	1 U	9.1 U	3.2 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	49
1,2-DICHLOROETHANE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	5	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-BUTANONE	NA	10 U	9.1 U	16 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U
ACETONE	NA	10 U	9.1 U	16 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U
BENZENE	5	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	70	1.6	11	3.2 U	1.6	1.6	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	32
DIBROMOMETHANE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IODOMETHANE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYLCYCLOHEXANE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1,000	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	100	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	NA	1 U	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5	1 U	9.1 U	3.2 U	1.10	1.10	1.10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2	1.8	9.1 U	3.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics																
CYANIDE	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOTAL PHENOLS	NA	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Arsenic - filtered	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHROMIUM - filtered	100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
LEAD - filtered	15	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
NICKEL - filtered	NA	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U

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Analytical Results Groundwater Samples
Shallow Wells
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex
South Bend, Indiana

CONSTITUENTS	Field Sample ID	Sample Date	EPA_MCL	Groundwater Monitoring Program - Year 2010															
				S22 01 10	S22 04 10	S22 07 10	S22 10 10	S23 01 10	S23 04 10	S23 07 10	S23 10 10	S24 05 10	S24 11 10	S25 05 10	S25 11 10				
				Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary		
Volatiles Organic Compounds																			
1,1,1-TRICHLOROETHANE			200	3.3 U	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
1,1-DICHLOROETHANE			NA	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
1,1-DICHLOROETHANE			7	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
1,2-DICHLOROETHANE			5	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
1,2-DICHLOROETHANE			NA	--	--	--	--	--	--	--	--	--	--	--	190	--	16		
1,2-DICHLOROPROPANE			5	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
2-BUTANONE			NA	33 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	40 U	7.5 U	7.5 U	5 U		
ACETONE			NA	33 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	40 U	7.5 U	7.5 U	5 U		
BENZENE			5	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
CARBON DISULFIDE			38	3.3 U	2 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
CHLOROETHANE			NA	3.3 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
CIS-1,2-DICHLOROETHENE			70	[98]	63	36	6.6	1 U	1 U	1 U	1 U	1 U	1 U	[100]	[110]	12	11		
DIBROMOMETHANE			NA	3.3 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
IODOMETHANE			NA	3.3 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
METHYLCYCLOHEXANE			NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
NAPHTHALENE			NA	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
TETRACHLOROETHENE			5	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
TOLUENE			1,000	3.3 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
TRANS-1,2-DICHLOROETHENE			100	20	18	17	22	1 U	1 U	1 U	1 U	1 U	1 U	79	87	5.1	4.4		
TRANS-1,3-DICHLOROPROPENE			NA	3.3 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1.5 U	1.5 U	1 U		
TRICHLOROETHENE			5	3.3 U	2 U	2 U	[5.9]	1 U	1 U	1 U	1 U	1 U	1 U	[17]	[17]	1 U	1 U		
VINYL CHLORIDE			2	[5.6]	[20]	[25]	[9.2]	1 U	1 U	1 U	1 U	1 U	1 U	4 U	[2.5]	1 U	1 U		
Inorganics																			
CYANIDE			200	--	--	--	--	--	--	10 U	--	--	--	10 U	--	--	--		
TOTAL PHENOLS			NA	--	--	--	--	--	--	40 U	--	--	--	40 U	--	--	--		
Arsenic - filtered			10	--	--	--	--	--	--		--	--	--	10 U	--	--	--		
CHROMIUM - filtered			100	--	--	--	--	--	--	5 U	--	--	--	5 U	--	--	--		
LEAD - filtered			15	--	--	--	--	--	--	3 U	--	--	--	3 U	--	--	--		
NICKEL - filtered			NA	--	--	--	--	--	--	40 U	--	--	--	40 U	--	--	--		

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Analytical Results Groundwater Samples
 Shallow Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

CONSTITUENTS	Field Sample ID	S26 05 10		S26 11 10		S27 05 10		S27 11 10		S28 05 10		S28 11 10	
		05/03/10	Primary	11/02/10	Primary	05/03/10	Primary	11/02/10	Primary	05/03/10	Primary	11/02/10	Primary
Units	EPA_MCL												
Volatiles Organic Compounds													
1,1,1-TRICHLOROETHANE	200	1 U	1 U	1 U	1 U	8.9	8.6	2 U	2 U	1.8			
1,1-DICHLOROETHANE	NA	1 U	1 U	1 U	1 U	23	25	2 U	2 U	1.4			
1,1-DICHLOROETHANE	7	1 U	1 U	1 U	1 U	2.3	1.7	2 U	2 U				
1,2-DICHLOROETHANE	5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
1,2-DICHLOROETHANE	NA	--	11	--	--	--	24	--	--	72			
1,2-DICHLOROPROPANE	5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
2-BUTANONE	NA	10 U	5 U	10 U	5 U	10 U	5 U	20 U	20 U	5 U			
ACETONE	NA	10 U	5 U	10 U	5 U	10 U	5 U	20 U	20 U	5 U			
BENZENE	5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
CARBON DISULFIDE	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
CHLOROETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
CIS-1,2-DICHLOROETHENE	70	3.5	8.2	19	22	26	26	2 U	2 U				
DIBROMOMETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
IODOMETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
METHYLCYCLOHEXANE	NA	--	--	--	--	--	--	--	--				
NAPHTHALENE	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
TETRACHLOROETHENE	5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
TOLUENE	1,000	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
TRANS-1,2-DICHLOROETHENE	100	1.2	2.7	2.5	2.7	42	46	2 U	2 U				
TRANS-1,3-DICHLOROPROPENE	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
TRICHLOROETHENE	5	[11]	[19]	[12]	[11]	[61]	[64]	2 U	2 U				
VINYL CHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U				
Inorganics													
CYANIDE	200	10 U	--	10 U	--	10 U	--	10 U	--				
TOTAL PHENOLS	NA	40 U	--	40 U	--	40 U	--	40 U	--				
Arsenic - filtered	10	10 U	--	10 U	--	10 U	--	10 U	--				
CHROMIUM - filtered	100	5 U	--	5 U	--	5 U	--	5 U	--				
LEAD - filtered	15	3 U	--	3 U	--	3 U	--	3 U	--				
NICKEL - filtered	NA	40 U	--	40 U	--	40 U	--	40 U	--				

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Analytical Results Groundwater Samples
Intermediate Wells
Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex
South Bend, Indiana

CONSTITUENTS	Field Sample ID	Sample Date	Units	7-50 05 10		7-50 11 10		D8 05 10		D8 11 10	
				05/04/10	Primary	11/04/10	Primary	05/05/10	Primary	11/03/10	Primary
Volatile Organic Compounds	EPA_MCL										
1,1,1-TRICHLOROETHANE	200		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	7		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	5		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE	NA		ug/L	--	--	--	--	--	25	--	--
1,2-DICHLOROPROPANE	5		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-BUTANONE	NA		ug/L	10 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U
ACETONE	NA		ug/L	10 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U
BENZENE	5		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	70		ug/L	1 U	1 U	1 U	1 U	1 U	16	1 U	1 U
DIBROMOMETHANE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IODOMETHANE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYLCYCLOHEXANE	NA		ug/L	--	--	--	--	--	--	--	--
NAPHTHALENE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1,000		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	100		ug/L	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	NA		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2		ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics											
CYANIDE	200		ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOTAL PHENOLS	NA		ug/L	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Arsenic - filtered	10		ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHROMIUM - filtered	100		ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
LEAD - filtered	15		ug/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
NICKEL - filtered	NA		ug/L	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U

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Analytical Results Groundwater Samples
 Deep Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

Field Sample ID	Sample Date	2D 05 10	2D 11 10	11/04/10	11/04/10	7D 05 10	05/05/10	MW-103	7D 11 10	11/03/10	9-D 05 10	05/05/10	9D 11 10	11/03/10	D4 05 10	05/04/10	D4 11 10	11/02/10	
Sample Date	Sample Date	Primary	Primary	Duplicate of 2D 11 10	Duplicate of 2D 11 10	Primary	Primary	Duplicate of 7D 05 10	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	
Units	EPA_MCL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
CONSTITUENTS																			
<i>Volatile Organic Compounds</i>																			
1,1,1-TRICHLOROETHANE	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	5	4.1	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]	[5]
1,2-DICHLOROETHENE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-BUTANONE	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	70	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
DIBROMOMETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IODOMETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYLCYCLOHEXANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<i>Inorganics</i>																			
CYANIDE	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOTAL PHENOLS	NA	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Arsenic - filtered	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHROMIUM - filtered	100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
LEAD - filtered	15	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
NICKEL - filtered	NA	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U

Notes:
 U = not detected above indicated laboratory reporting limit
 [5] = concentration is equal to or greater than the EPA
 Maximum Contaminant Level (MCL) for Drinking Water
 -- = not analyzed
 NA = not available

Analytical Results Groundwater Samples
 Deep Wells
 Groundwater Monitoring Program - Year 2010
 Honeywell Industrial Complex
 South Bend, Indiana

CONSTITUENTS	Field Sample ID Sample Date	EPA_MCL	Units	D5 05 10		D5 11 10		D7 05 10		D7 11 10		D12 05 10		D12 11 10		MW-100 11/03/10
				Primary	Duplicate of D5 05 10	Primary	Duplicate of D5 05 10	Primary	[21]	Primary	[18]	Primary	Duplicate of D12 11 10	Primary	Duplicate of D12 11 10	
Volatile Organic Compounds																
1,1,1-TRICHLOROETHANE	200	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	7	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE	NA	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROPROPANE	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-BUTANONE	NA	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U
ACETONE	NA	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U
BENZENE	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	70	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
IODOMETHANE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYLCYCLOHEXANE	NA	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NAPHTHALENE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1,000	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	100	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	NA	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics																
CYANIDE	200	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOTAL PHENOLS	NA	ug/L	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Arsenic - filtered	10	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHROMIUM - filtered	100	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
LEAD - filtered	15	ug/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
NICKEL - filtered	NA	ug/L	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U

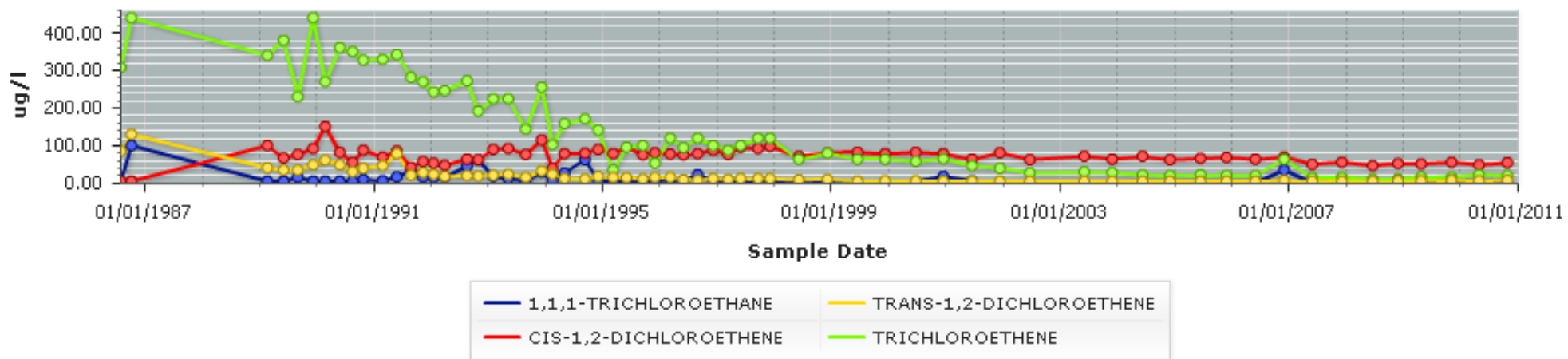
Notes:
 U = not detected above indicated laboratory reporting limit
 [5] = concentration is equal to or greater than the EPA
 Maximum Contaminant Level (MCL) for Drinking Water
 -- = not analyzed
 NA = not available

APPENDIX C

TIME-SERIES ANALYSIS OF CONTAMINANT CONCENTRATIONS

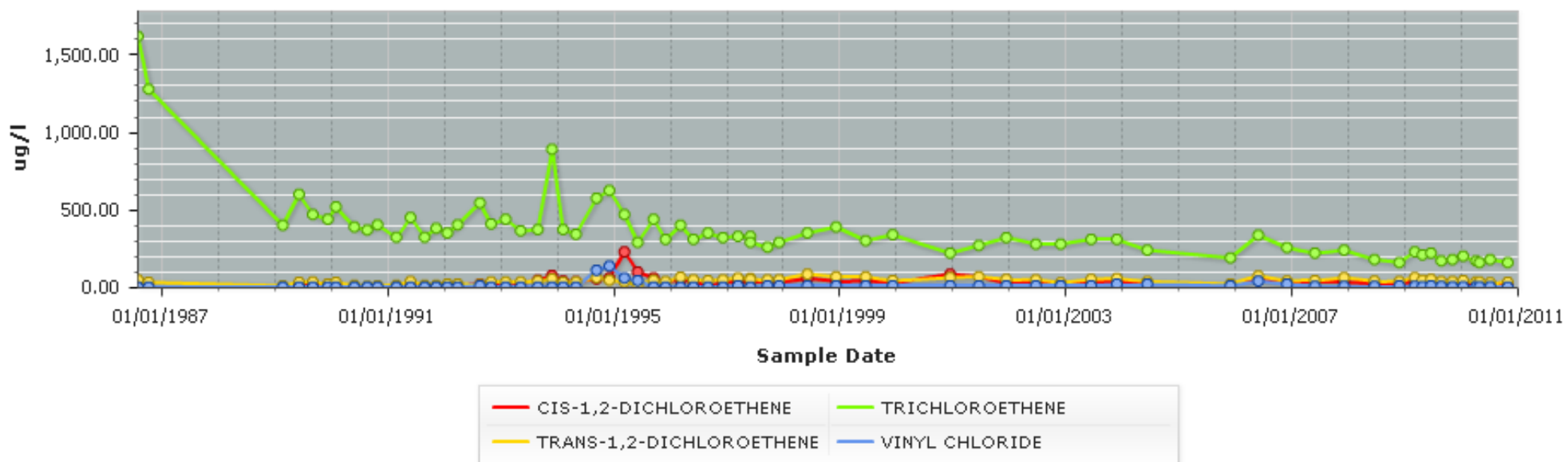
Analytical Results for 86-10

Site: Honeywell South Bend IN



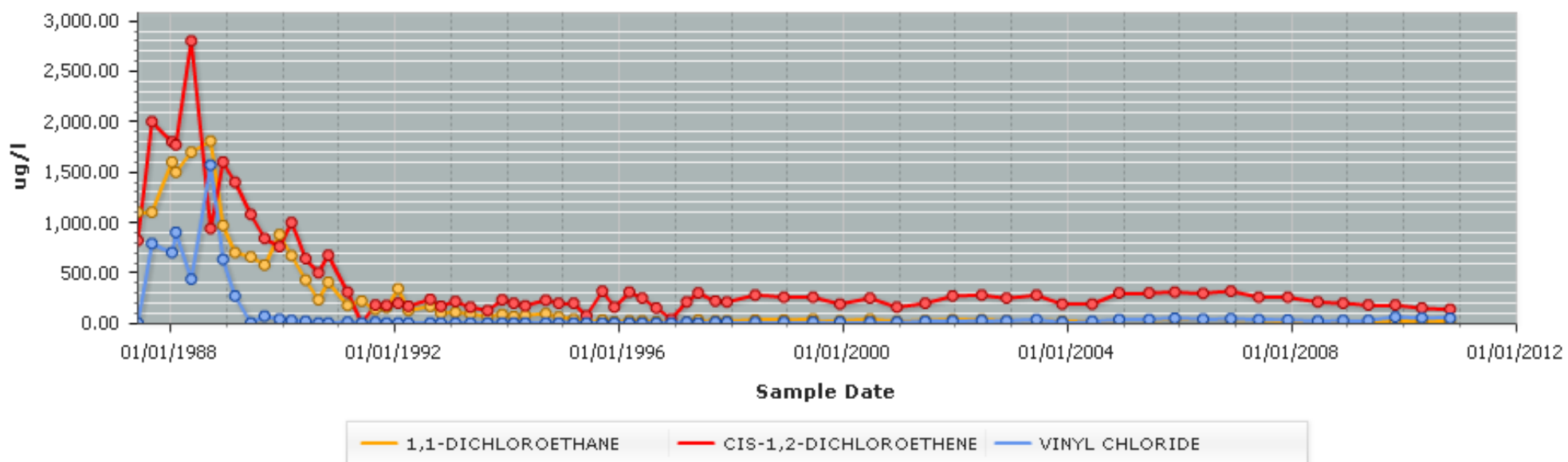
Analytical Results for 86-15

Site: Honeywell South Bend IN



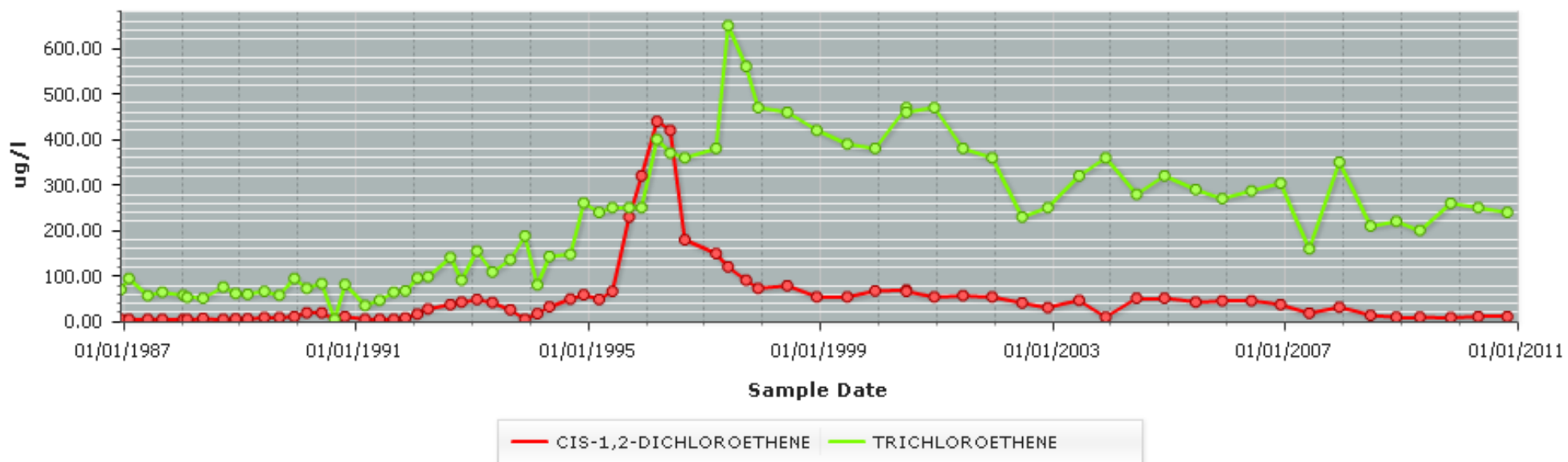
Analytical Results for S4A

Site: Honeywell South Bend IN



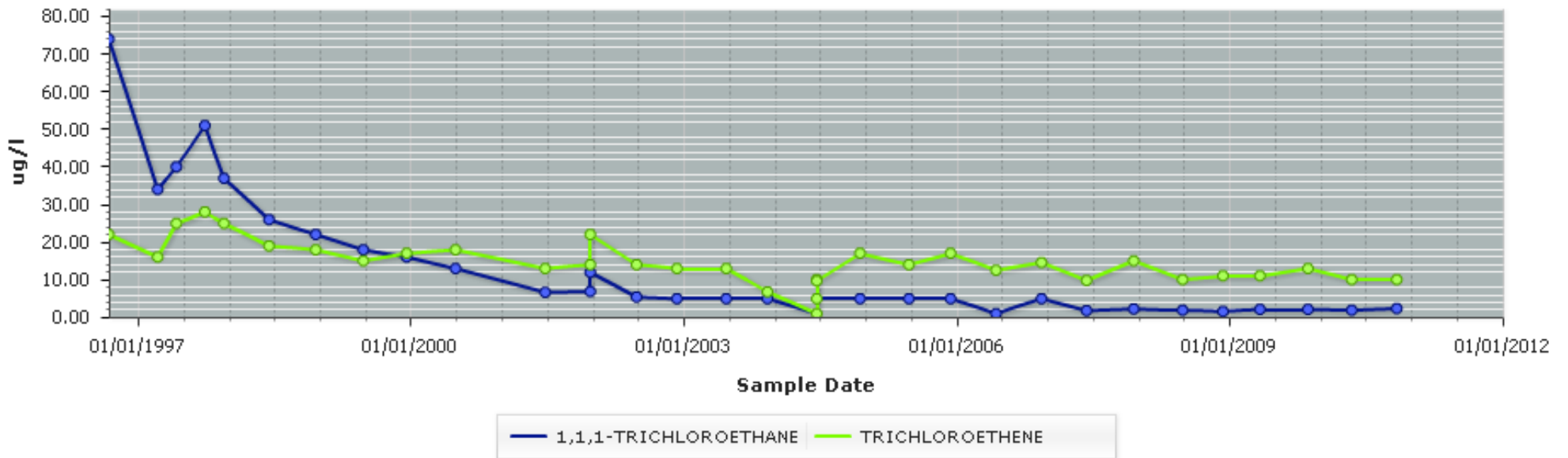
Analytical Results for S16

Site: Honeywell South Bend IN



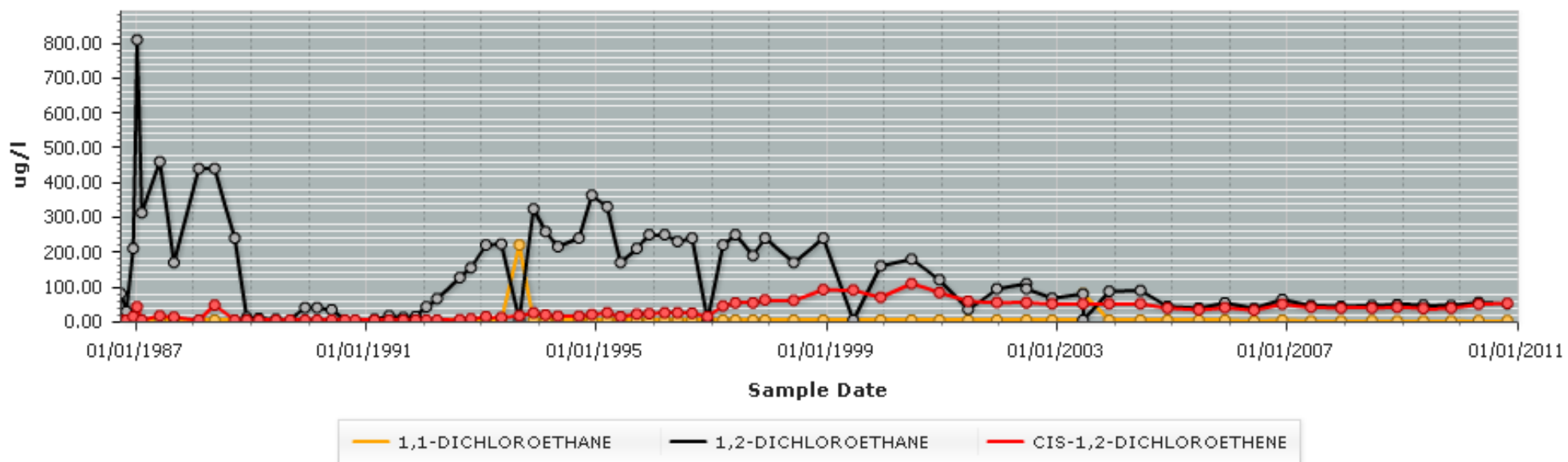
Analytical Results for S17

Site: Honeywell South Bend IN



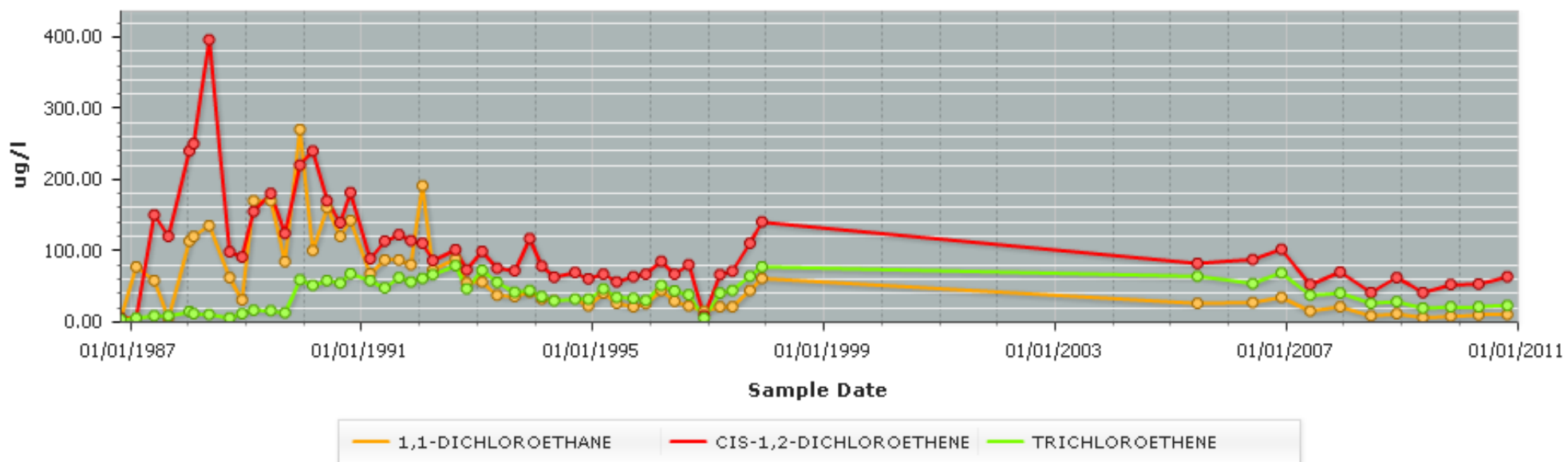
Analytical Results for S9

Site: Honeywell South Bend IN



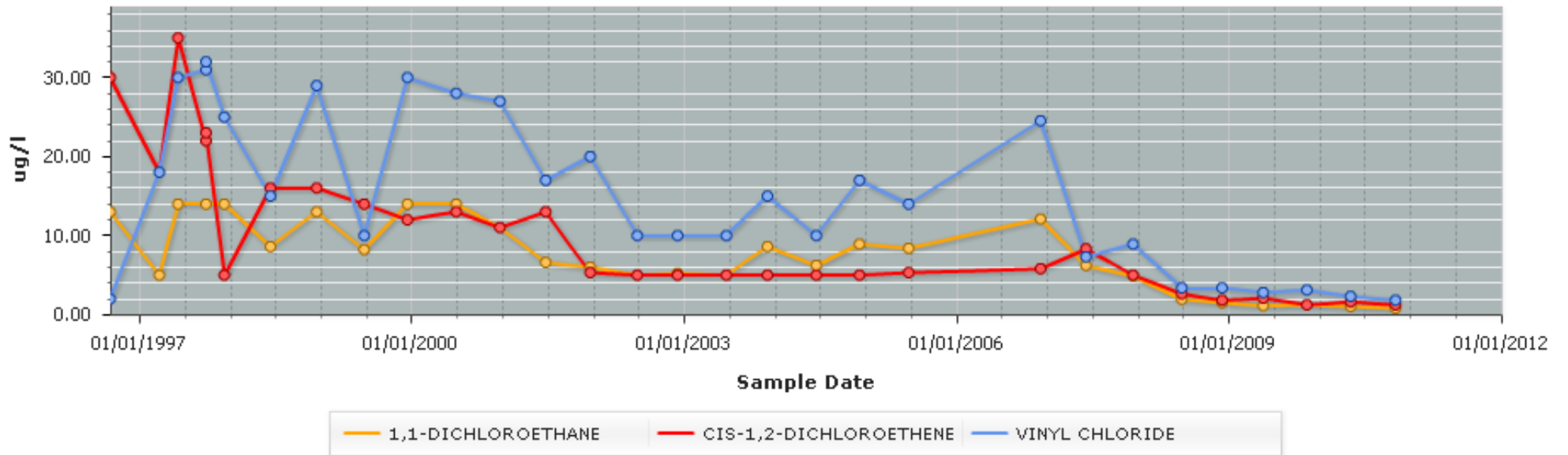
Analytical Results for S14

Site: Honeywell South Bend IN



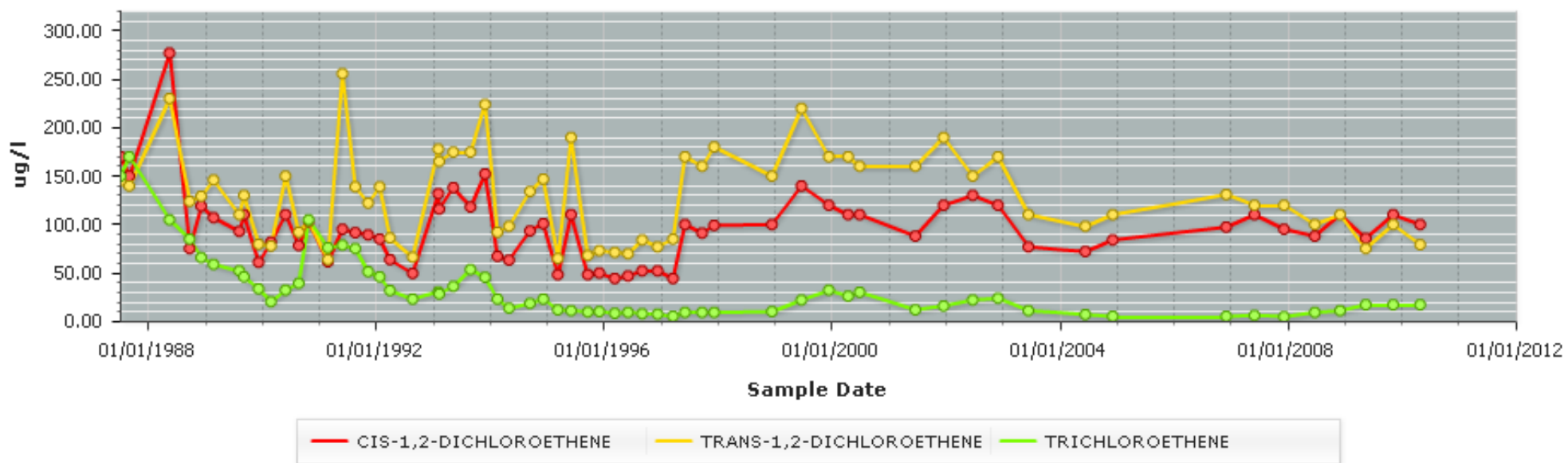
Analytical Results for S15

Site: Honeywell South Bend IN



Analytical Results for S24

Site: Honeywell South Bend IN



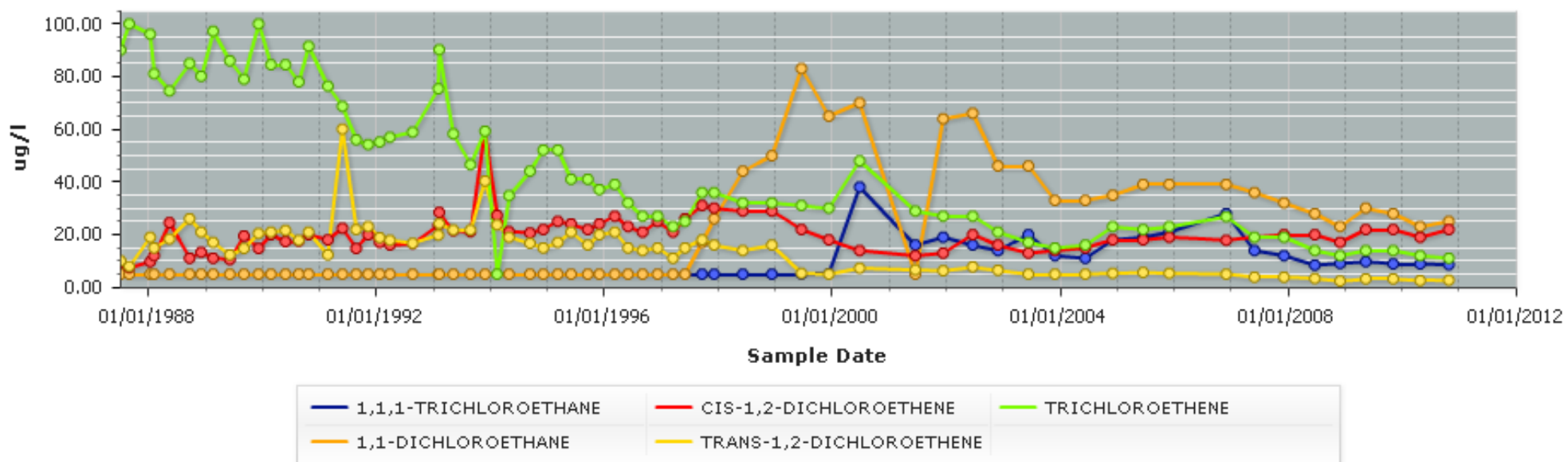
Analytical Results for S26

Site: Honeywell South Bend (IN)



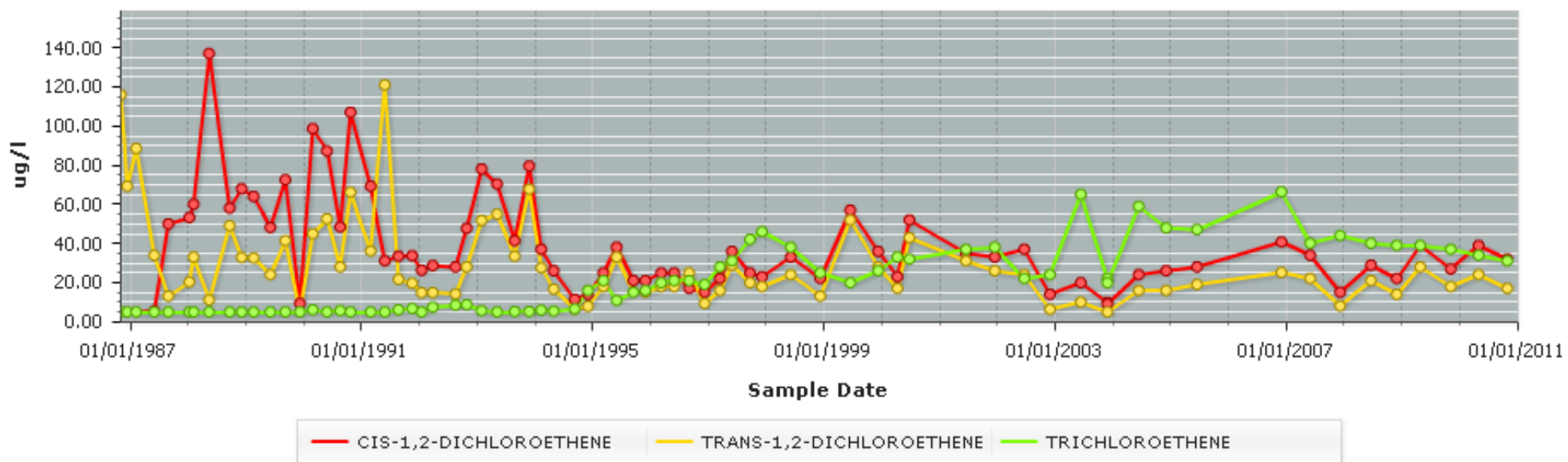
Analytical Results for S27

Site: Honeywell South Bend IN



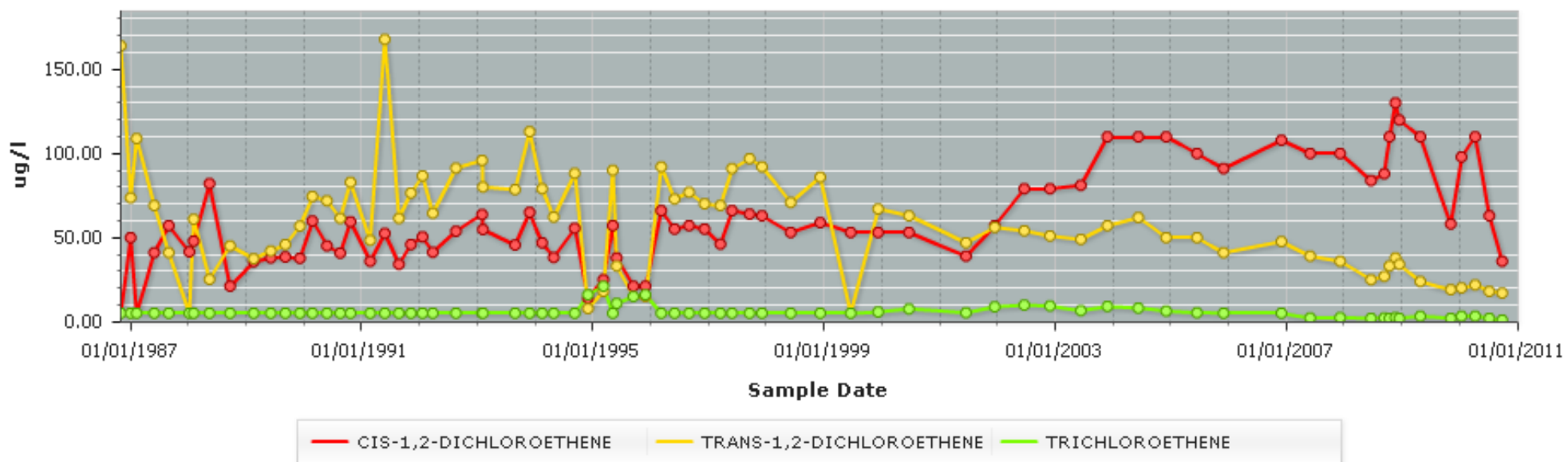
Analytical Results for S21

Site: Honeywell South Bend IN



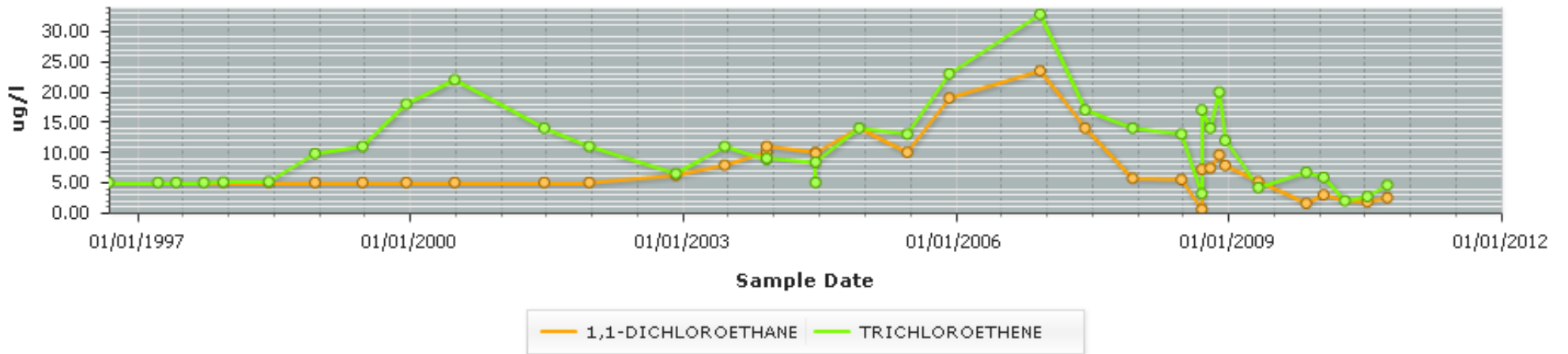
Analytical Results for S22

Site: Honeywell South Bend IN



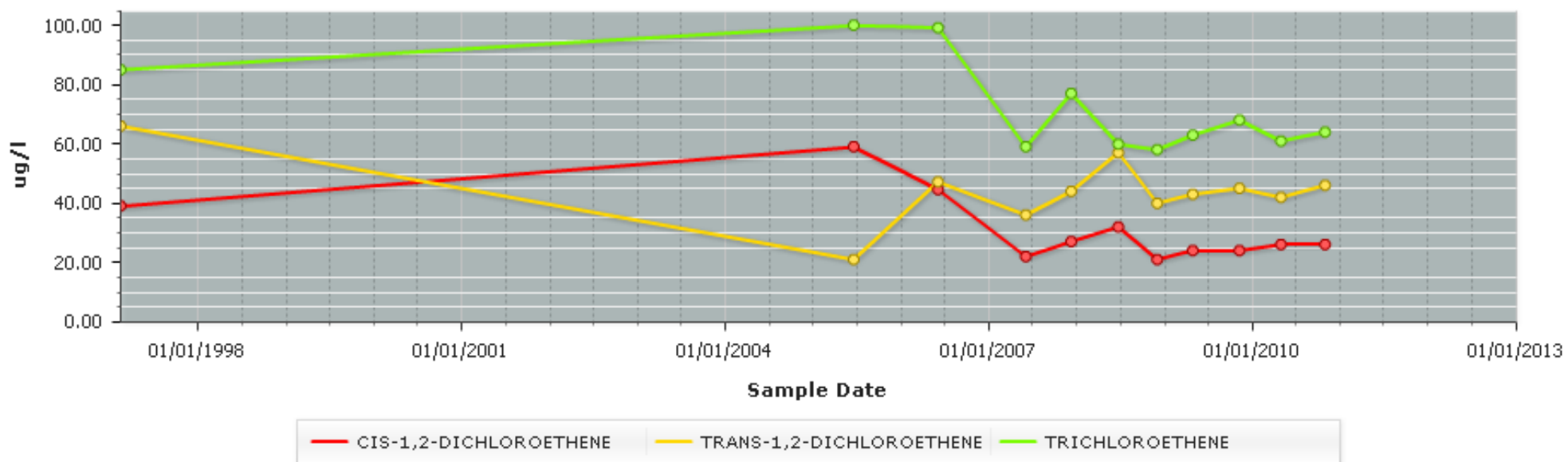
Analytical Results for S23

Site: Honeywell South Bend IN



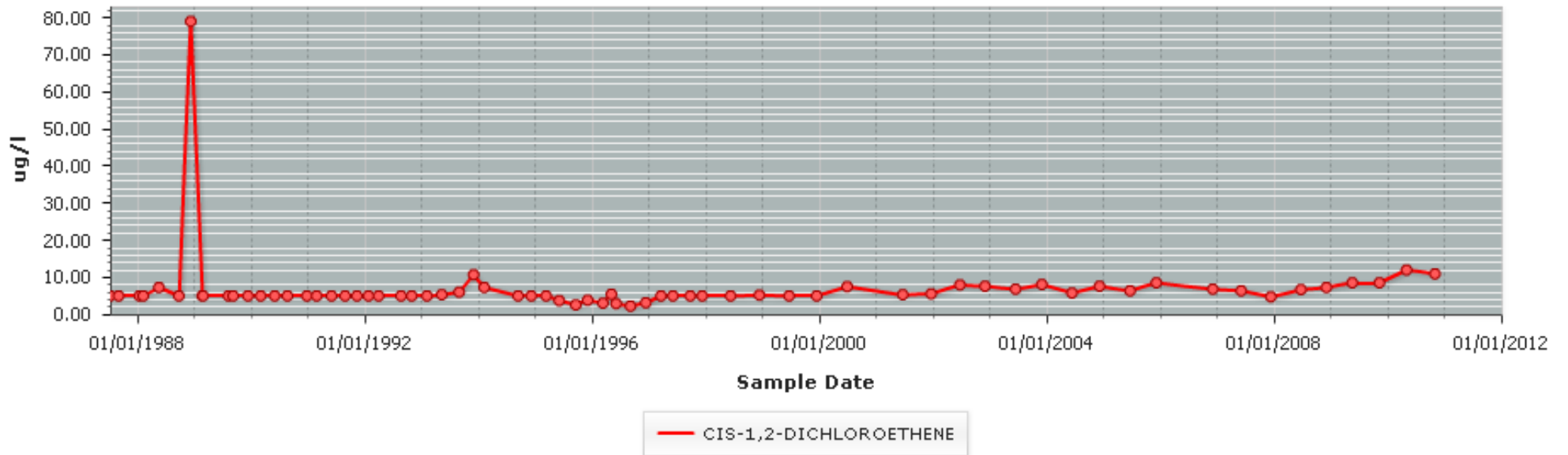
Analytical Results for S28

Site: Honeywell South Bend IN



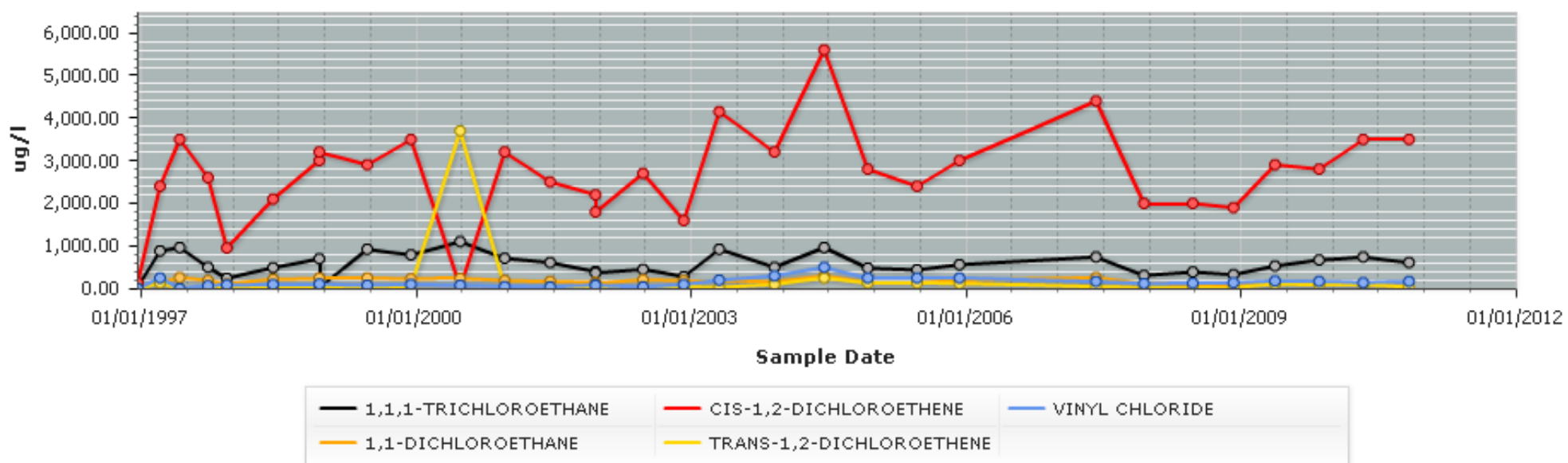
Analytical Results for S25

Site: Honeywell South Bend IN



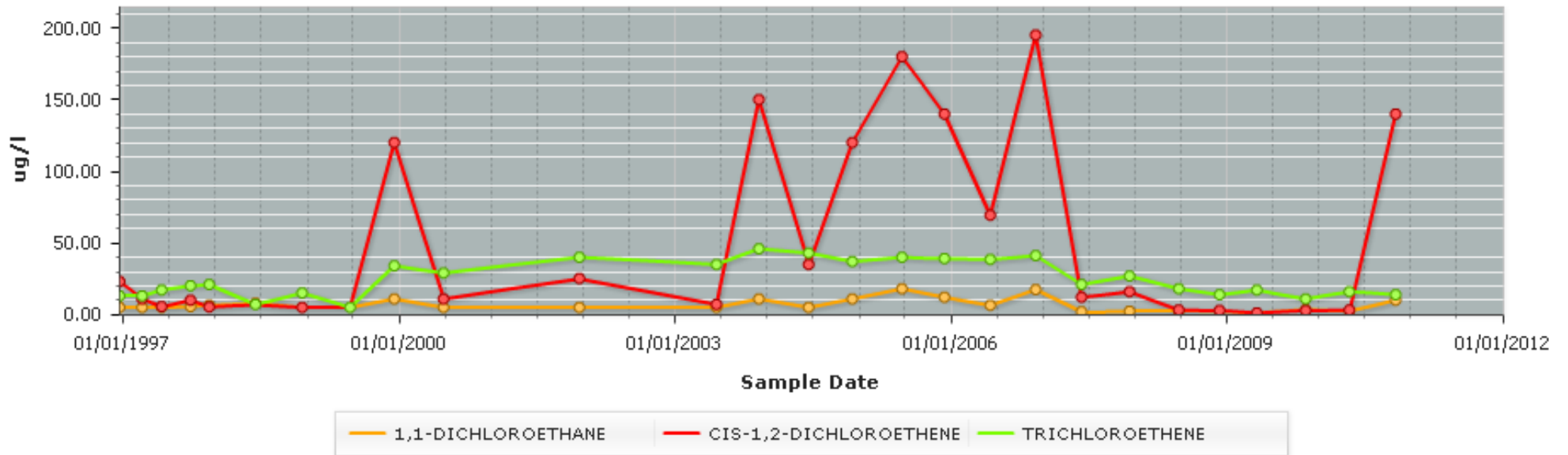
Analytical Results for MW-2

Site: Honeywell South Bend IN



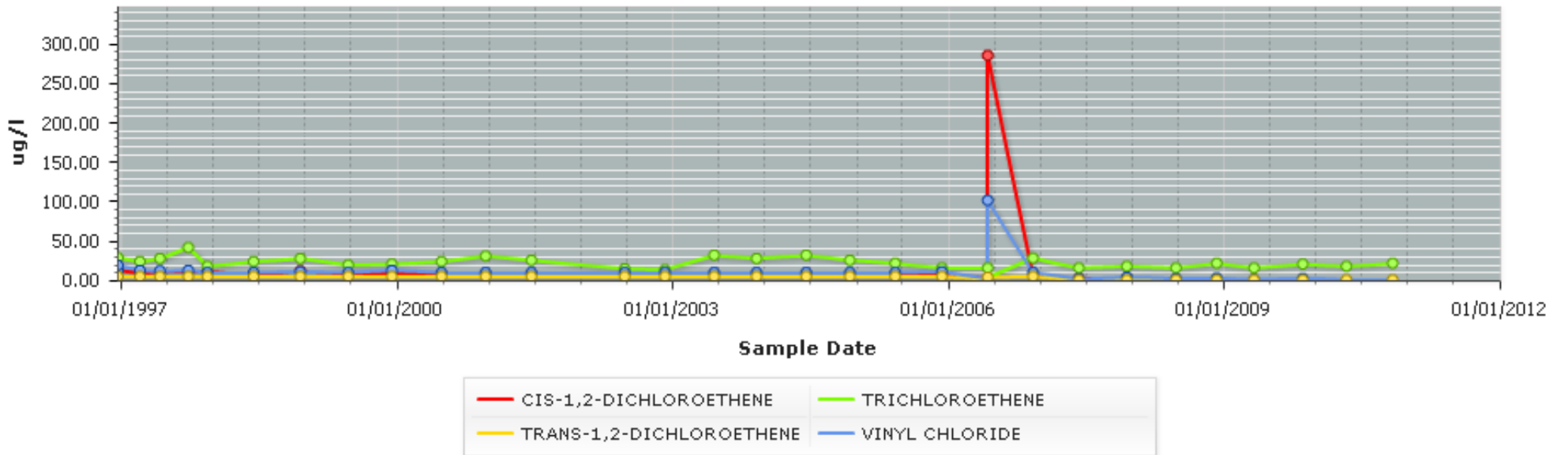
Analytical Results for MW-4

Site: Honeywell South Bend IN



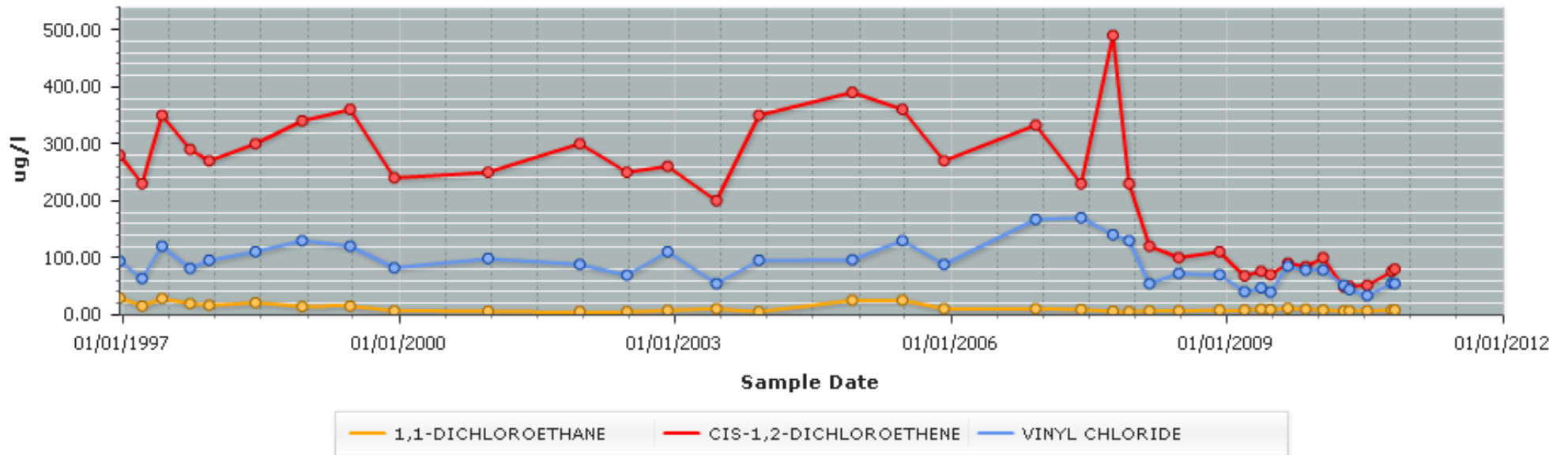
Analytical Results for MW-5

Site: Honeywell South Bend IN



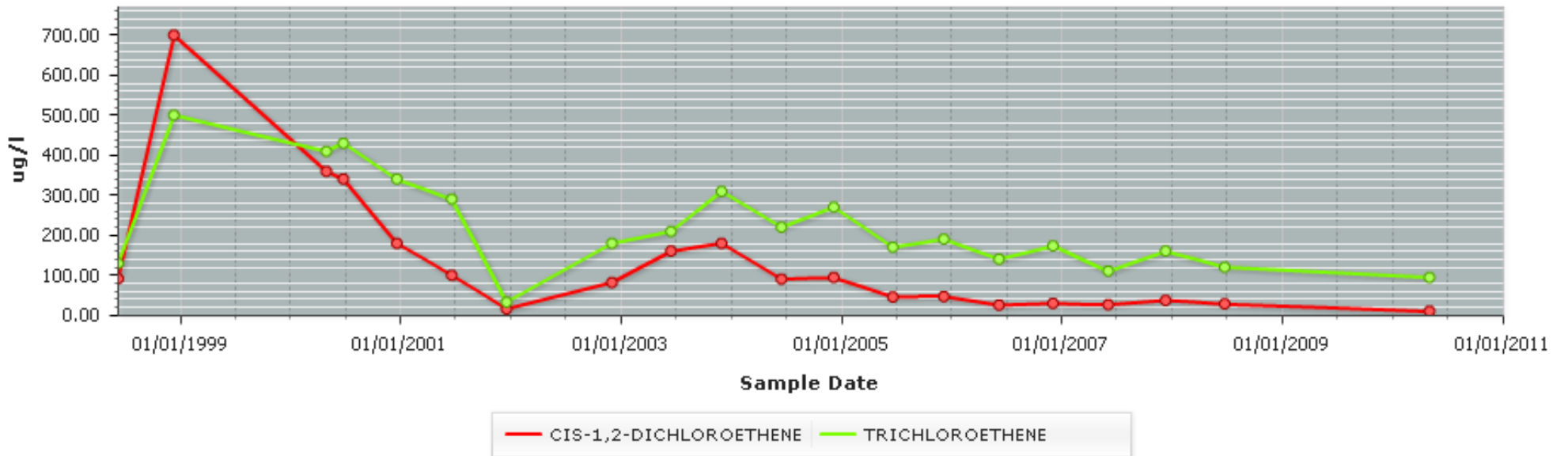
Analytical Results for MW-7

Site: Honeywell South Bend IN



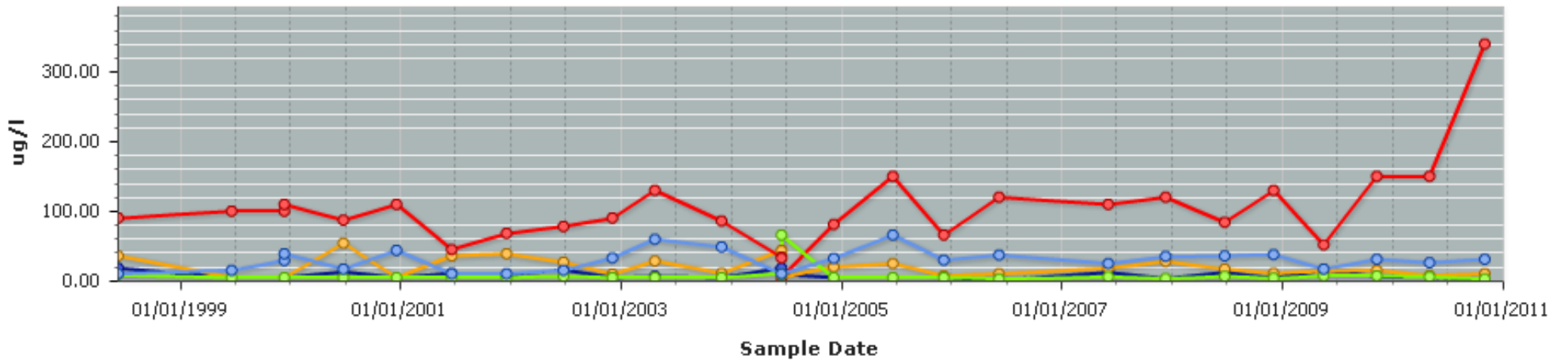
Analytical Results for MW-10

Site: Honeywell South Bend IN



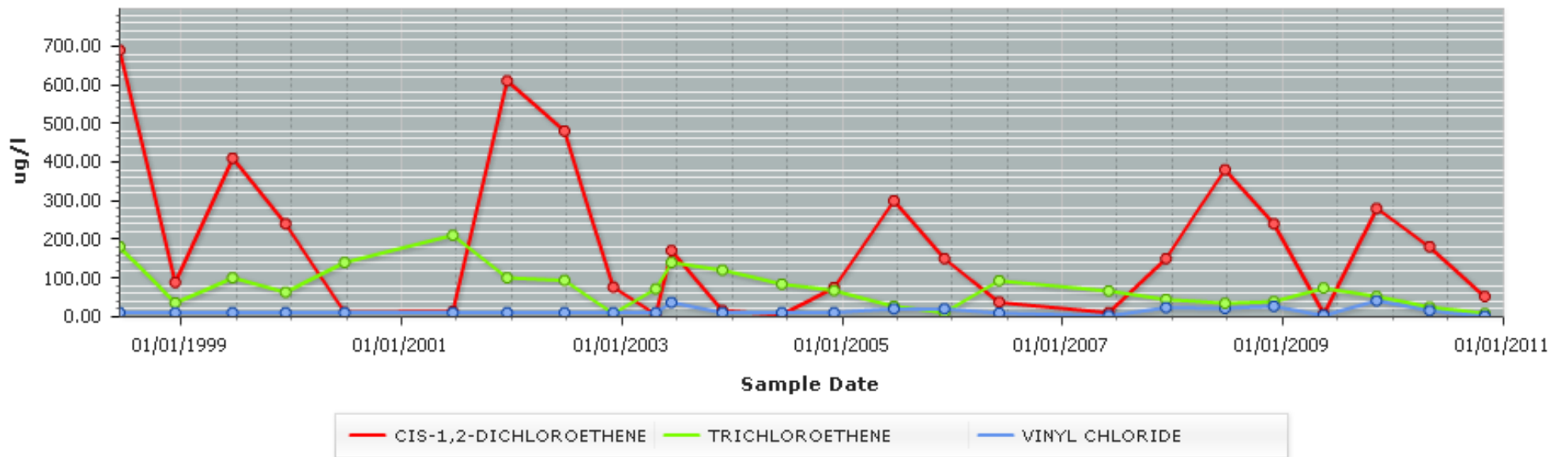
Analytical Results for MW-11

Site: Honeywell South Bend IN



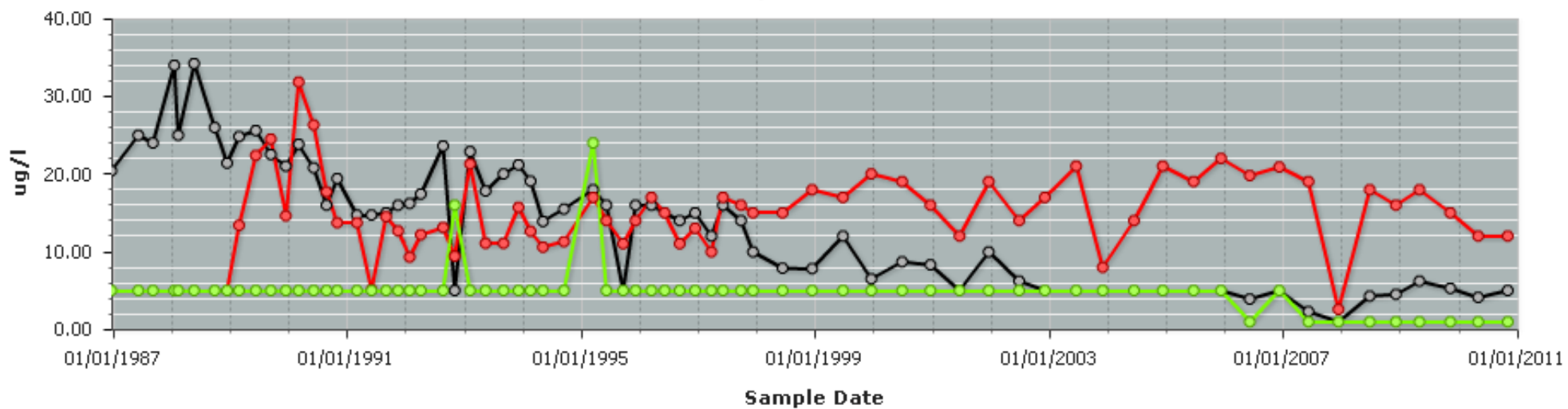
Analytical Results for MW-12

Site: Honeywell South Bend IN



Analytical Results for 2D

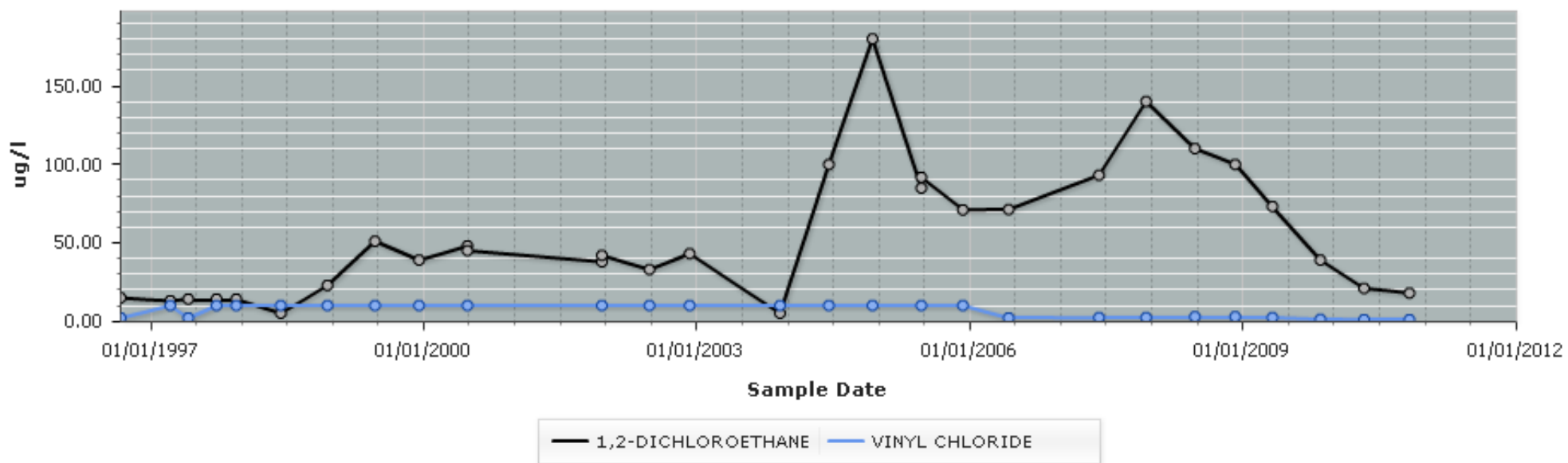
Site: Honeywell South Bend IN



— 1,2-DICHLOROETHANE — CIS-1,2-DICHLOROETHENE — TRICHLOROETHENE

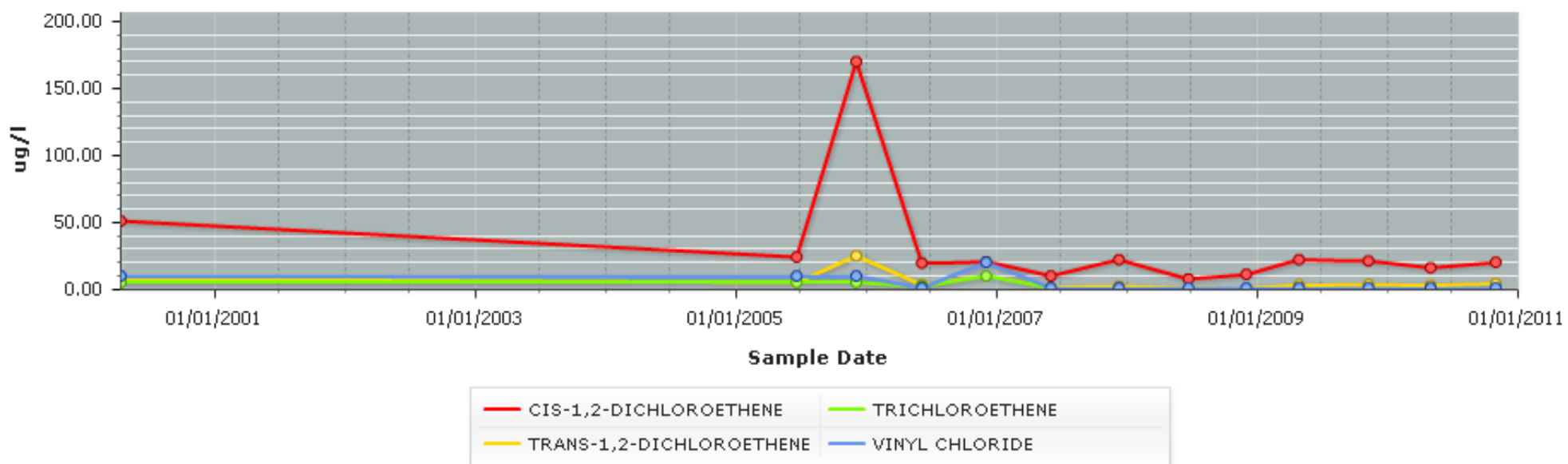
Analytical Results for D7

Site: Honeywell South Bend IN



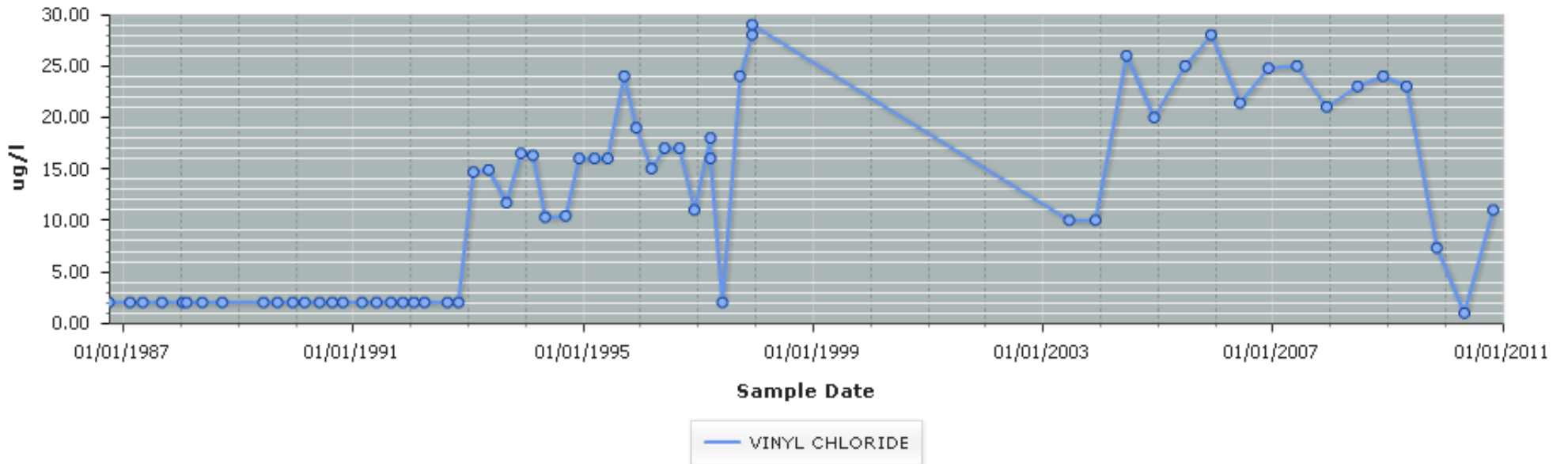
Analytical Results for D8

Site: Honeywell South Bend IN



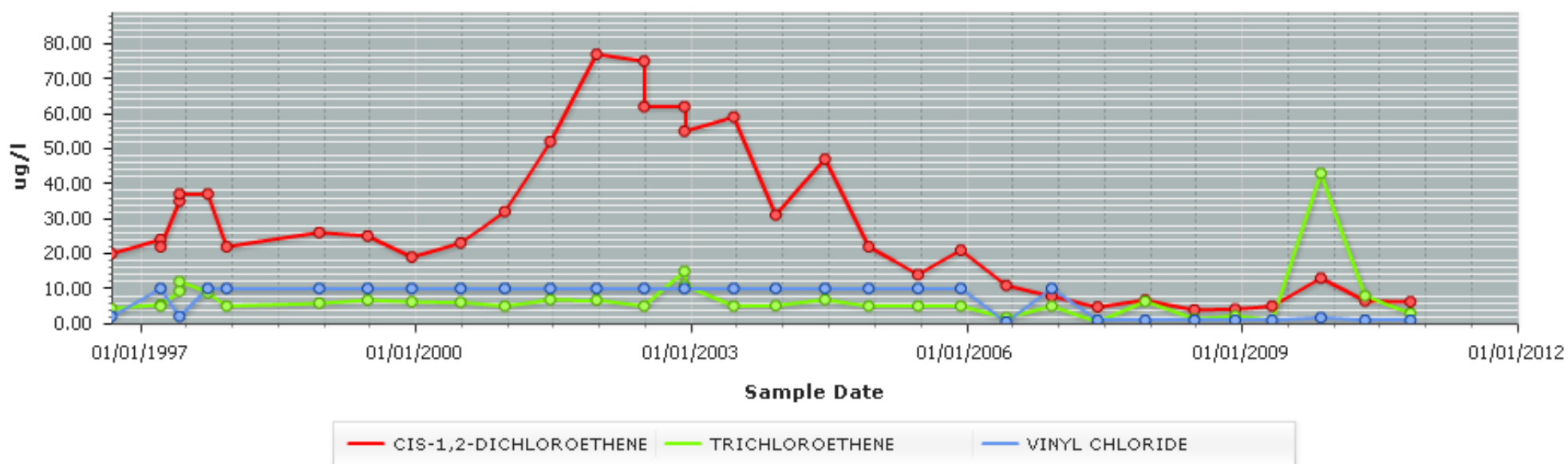
Analytical Results for D4

Site: Honeywell South Bend IN



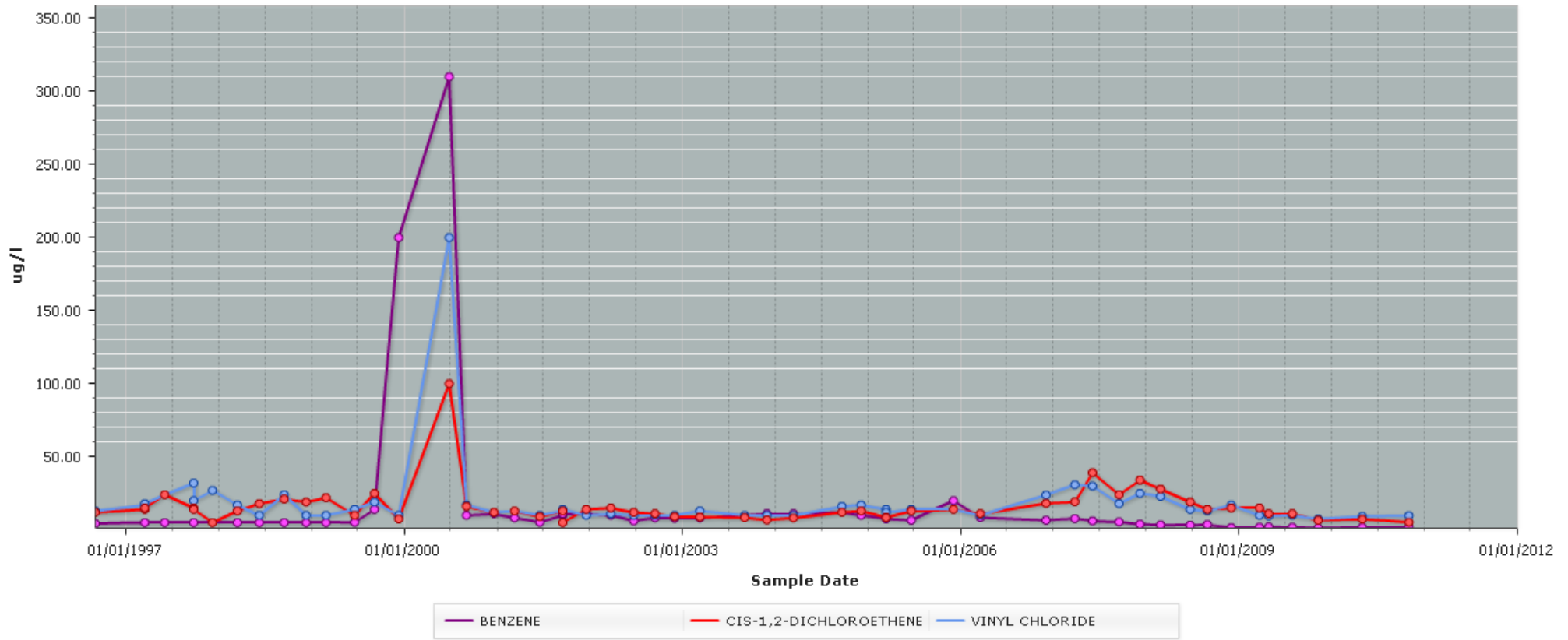
Analytical Results for 7D

Site: Honeywell South Bend IN



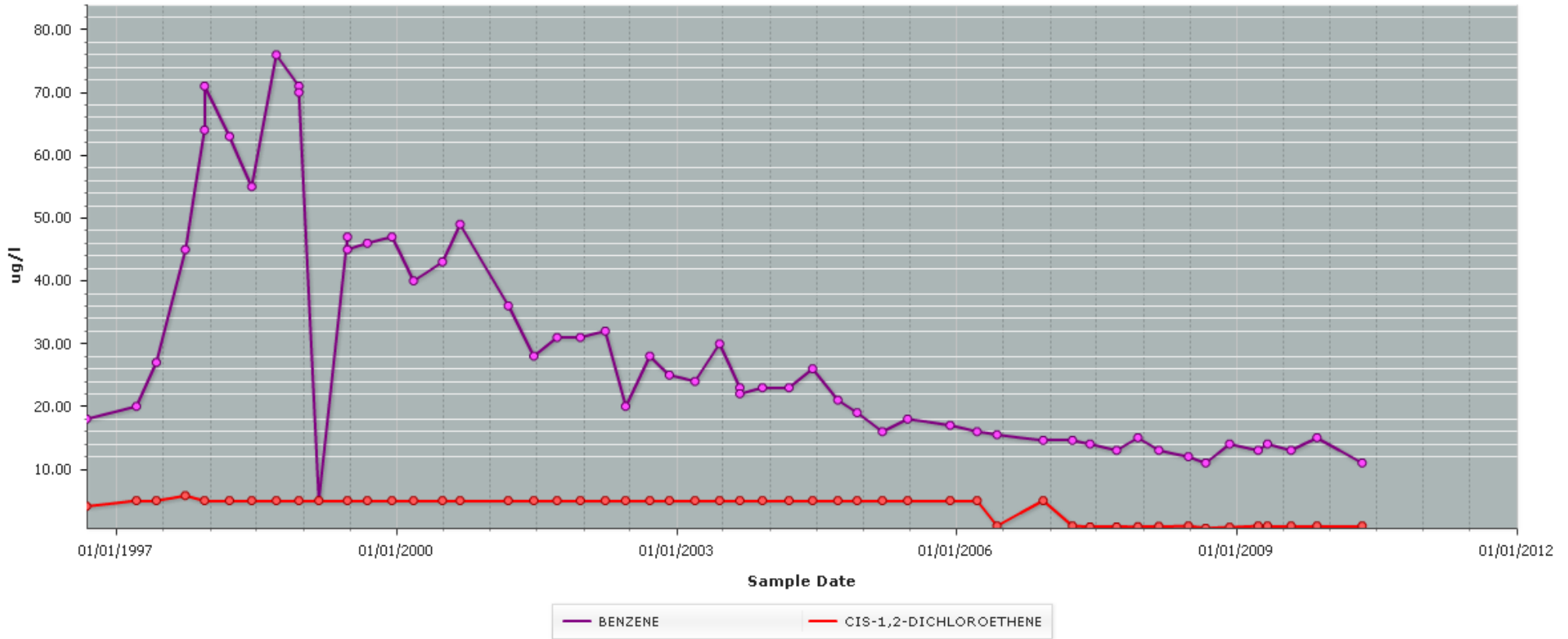
Analytical Results for E3A

Site: Honeywell South Bend (IN)



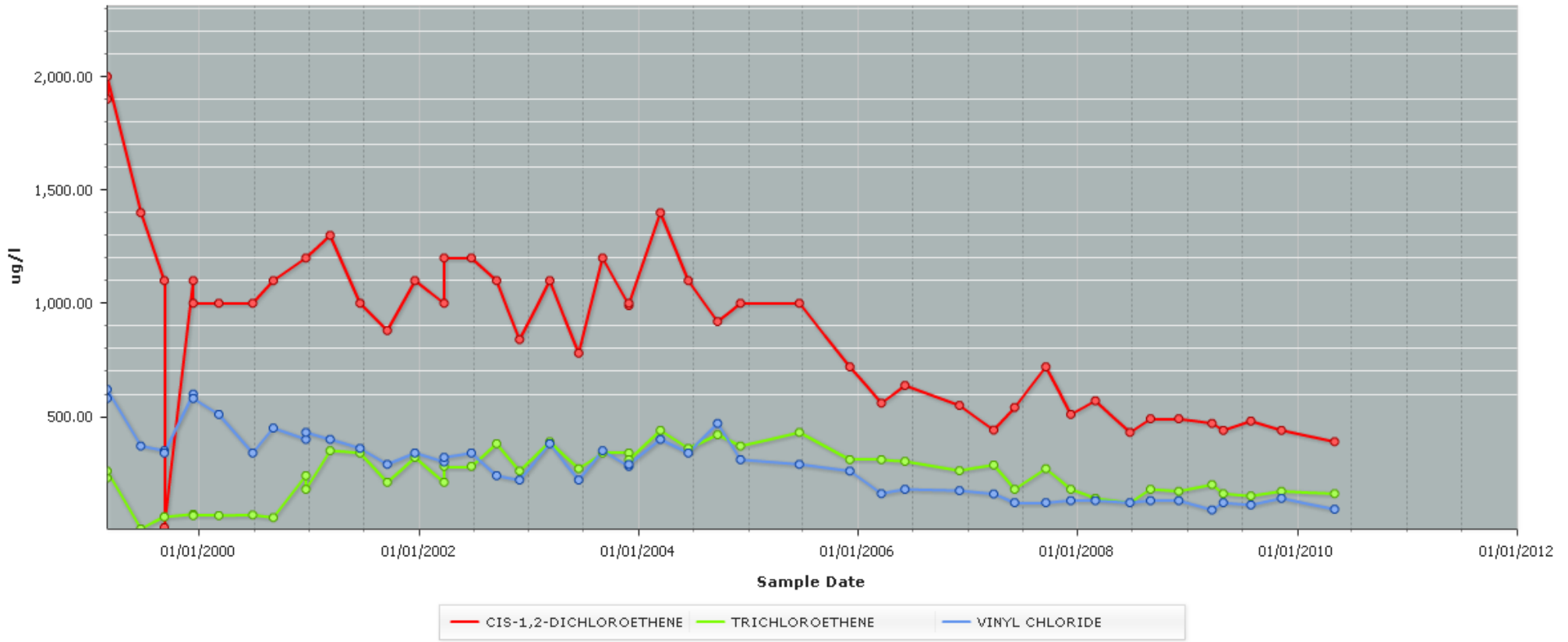
Analytical Results for RWB16

Site: Honeywell South Bend (IN)



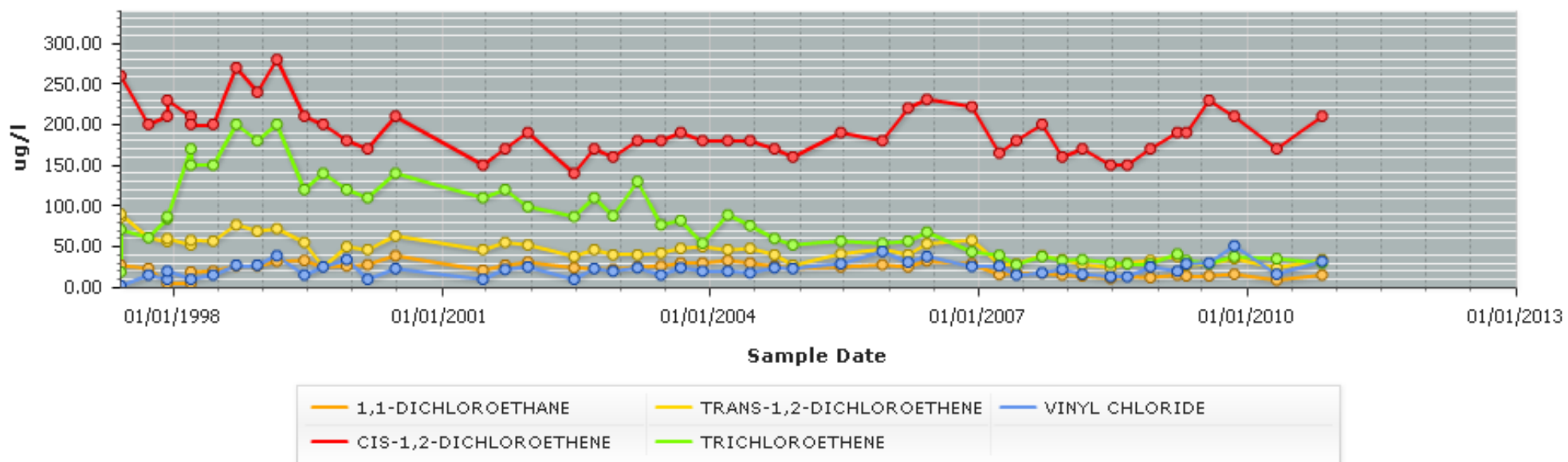
Analytical Results for RWB23

Site: Honeywell South Bend (IN)



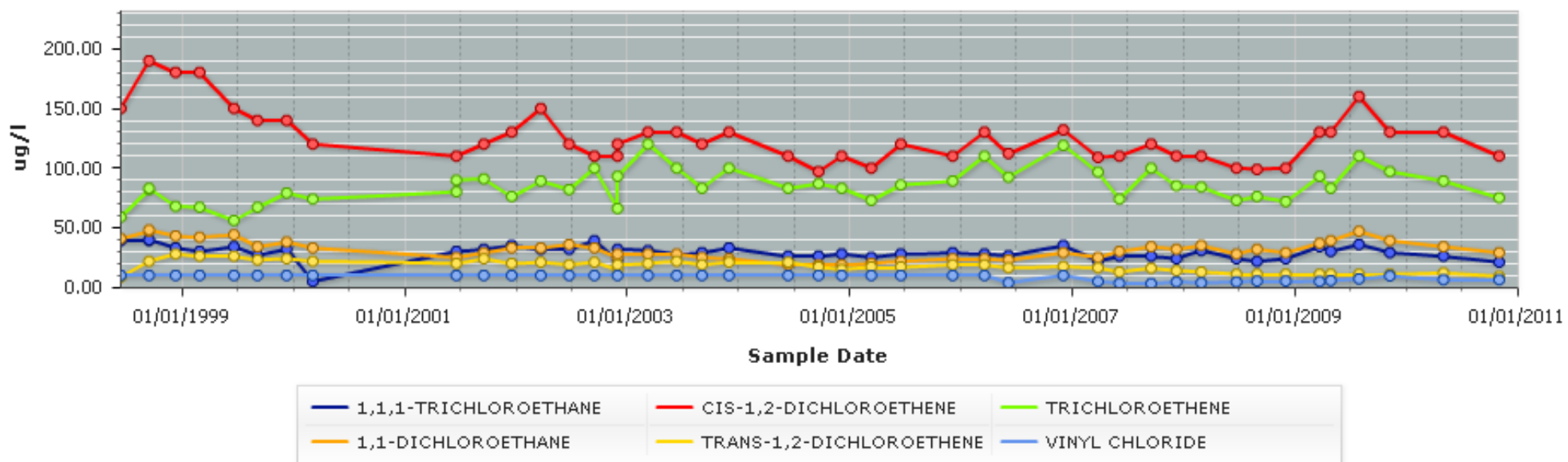
Analytical Results for EW-1

Site: Honeywell South Bend IN



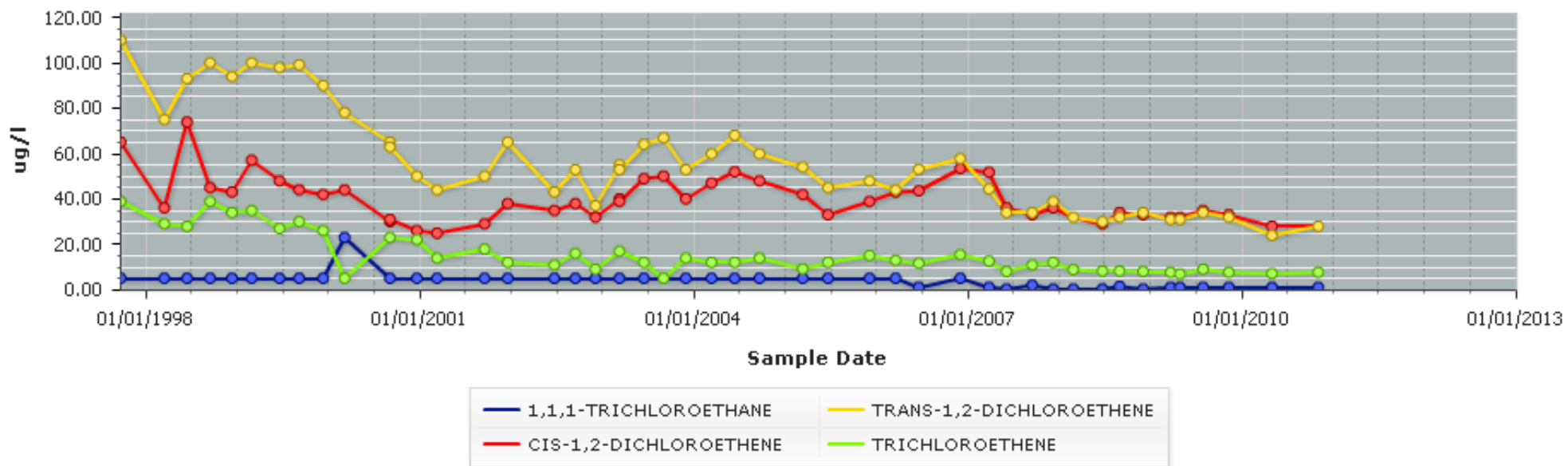
Analytical Results for EW-2

Site: Honeywell South Bend IN



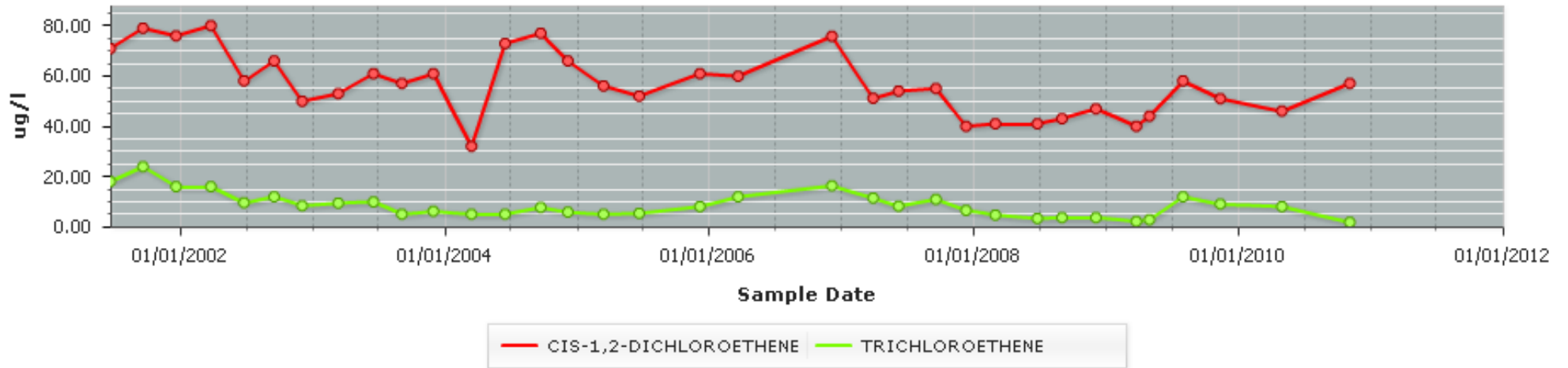
Analytical Results for EW-3

Site: Honeywell South Bend IN



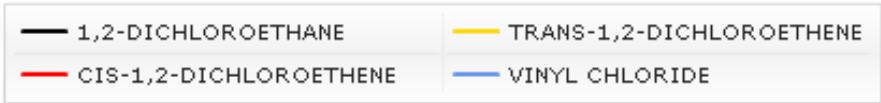
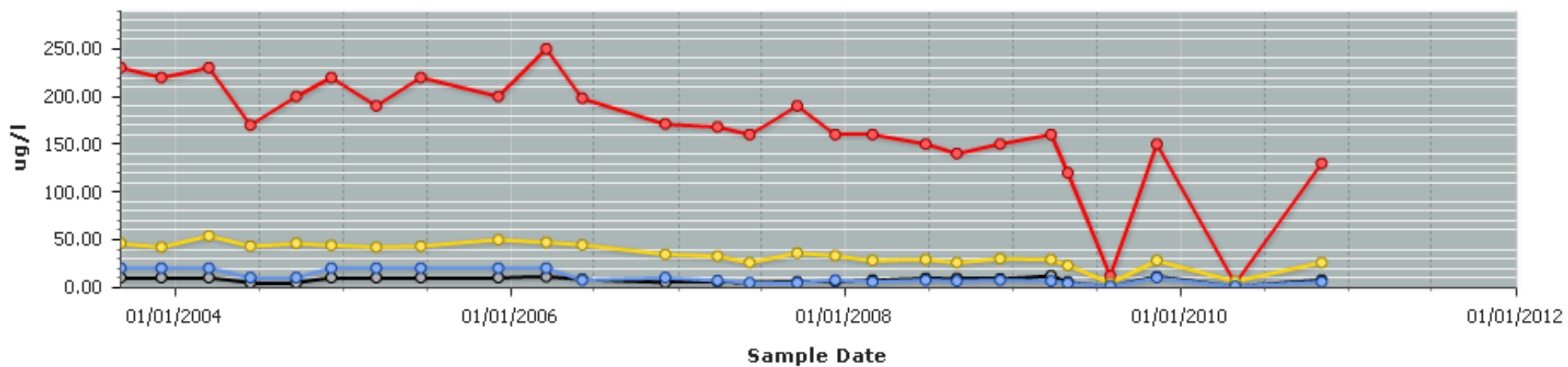
Analytical Results for EW-4

Site: Honeywell South Bend IN



Analytical Results for EW-5

Site: Honeywell South Bend IN



APPENDIX D

LABORATORY ANALYTICAL REPORTS

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 5133286

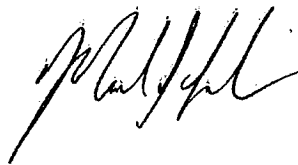
HONEYWELL SOUTH BEND

Lot #: A0D150524

Steven Murray

Macted Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.



Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

Approved for release.
Mark J. Loeb
Project Manager II
4/21/2010 4:49 PM

CHANNEL 70039
1002 TestAmerica

April 21, 2010



CASE NARRATIVE

A0D150524

The following report contains the analytical results for two water samples and one quality control sample submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the Honeywell South Bend Site, project number 5133286. The samples were received April 15, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 1.0 and 1.5°C.

GC/MS VOLATILES

The matrix spike/matrix spike duplicate(s) for S-22 0410 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

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EXECUTIVE SUMMARY - Detection Highlights

A0D150524

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S-23 0410 04/14/10 13:15 001				
1,1-Dichloroethane	2.0	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	6.5	1.0	ug/L	SW846 8260B
Trichloroethene	2.0	1.0	ug/L	SW846 8260B
S-22 0410 04/14/10 11:07 002				
cis-1,2-Dichloroethene	110	3.3	ug/L	SW846 8260B
trans-1,2-Dichloroethene	22	3.3	ug/L	SW846 8260B
Vinyl chloride	9.2	3.3	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A0D150524

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Phenolics	MCAWW 420.1
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0D150524

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT</u>	<u>SAMPLE ID</u>	<u>SAMPLED</u>	<u>SAMP</u>
				<u>DATE</u>	<u>TIME</u>
LX14L	001	S-23	0410	04/14/10	13:15
LX14V	002	S-22	0410	04/14/10	11:07
LX14X	003	TRIP	BLANK	04/14/10	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-001 Work Order #...: LX14L1AG Matrix.....: WG
 Date Sampled...: 04/14/10 13:15 Date Received...: 04/15/10
 Prep Date.....: 04/19/10 Analysis Date...: 04/19/10
 Prep Batch #...: 0110149
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	2.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	6.5	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-001 Work Order #...: LX14L1AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	2.0	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-001 Work Order #...: LX14L1AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 0410

DISSOLVED Metals

Lot-Sample #...: A0D150524-001

Matrix.....: WG

Date Sampled...: 04/14/10 13:15 Date Received...: 04/15/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 0109013						
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/20/10	LX14L1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-04/20/10	LX14L1AD
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/20/10	LX14L1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 0410

General Chemistry

Lot-Sample #...: A0D150524-001 Work Order #...: LX14L Matrix.....: WG
Date Sampled...: 04/14/10 13:15 Date Received...: 04/15/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/16/10	0106342
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	04/19/10	0109216
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-002 Work Order #...: LX14V1AG Matrix.....: WG
 Date Sampled...: 04/14/10 11:07 Date Received...: 04/15/10
 Prep Date.....: 04/19/10 Analysis Date...: 04/19/10
 Prep Batch #...: 0110149
 Dilution Factor: 3.33 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	33	ug/L
Acrolein	ND	67	ug/L
Acrylonitrile	ND	67	ug/L
Benzene	ND	3.3	ug/L
Bromobenzene	ND	3.3	ug/L
Bromochloromethane	ND	3.3	ug/L
Bromodichloromethane	ND	3.3	ug/L
Bromoform	ND	3.3	ug/L
Bromomethane	ND	3.3	ug/L
Methyl ethyl ketone	ND	33	ug/L
n-Butylbenzene	ND	3.3	ug/L
sec-Butylbenzene	ND	3.3	ug/L
tert-Butylbenzene	ND	3.3	ug/L
Carbon disulfide	ND	3.3	ug/L
Carbon tetrachloride	ND	3.3	ug/L
Chlorobenzene	ND	3.3	ug/L
Chlorodibromomethane	ND	3.3	ug/L
Chloroethane	ND	3.3	ug/L
2-Chloroethyl vinyl ether	ND	33	ug/L
Chloroform	ND	3.3	ug/L
Chloromethane	ND	3.3	ug/L
2-Chlorotoluene	ND	3.3	ug/L
4-Chlorotoluene	ND	3.3	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.7	ug/L
1,2-Dibromoethane	ND	3.3	ug/L
Dibromomethane	ND	3.3	ug/L
1,2-Dichlorobenzene	ND	3.3	ug/L
1,3-Dichlorobenzene	ND	3.3	ug/L
1,4-Dichlorobenzene	ND	3.3	ug/L
trans-1,4-Dichloro-2-butene	ND	3.3	ug/L
Dichlorodifluoromethane	ND	3.3	ug/L
1,1-Dichloroethane	ND	3.3	ug/L
1,2-Dichloroethane	ND	3.3	ug/L
cis-1,2-Dichloroethene	110	3.3	ug/L
trans-1,2-Dichloroethene	22	3.3	ug/L
1,1-Dichloroethene	ND	3.3	ug/L
Dichlorofluoromethane	ND	6.7	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-002 Work Order #...: LX14V1AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	3.3	ug/L
1,3-Dichloropropane	ND	3.3	ug/L
2,2-Dichloropropane	ND	3.3	ug/L
cis-1,3-Dichloropropene	ND	3.3	ug/L
trans-1,3-Dichloropropene	ND	3.3	ug/L
1,1-Dichloropropene	ND	3.3	ug/L
Ethylbenzene	ND	3.3	ug/L
Diethyl ether	ND	6.7	ug/L
Ethyl methacrylate	ND	3.3	ug/L
Hexachlorobutadiene	ND	3.3	ug/L
2-Hexanone	ND	33	ug/L
Iodomethane	ND	3.3	ug/L
Isopropylbenzene	ND	3.3	ug/L
p-Isopropyltoluene	ND	3.3	ug/L
Methylene chloride	ND	3.3	ug/L
Methyl methacrylate	ND	6.7	ug/L
4-Methyl-2-pentanone (MIBK)	ND	33	ug/L
Methyl tert-butyl ether (MTBE)	ND	17	ug/L
Naphthalene	ND	3.3	ug/L
n-Propylbenzene	ND	3.3	ug/L
Styrene	ND	3.3	ug/L
1,1,1,2-Tetrachloroethane	ND	3.3	ug/L
1,1,2,2-Tetrachloroethane	ND	3.3	ug/L
Tetrachloroethene	ND	3.3	ug/L
Tetrahydrofuran	ND	17	ug/L
Toluene	ND	3.3	ug/L
1,2,3-Trichlorobenzene	ND	3.3	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	3.3	ug/L
1,2,4-Trimethylbenzene	ND	3.3	ug/L
1,3,5-Trimethylbenzene	ND	3.3	ug/L
Vinyl acetate	ND	6.7	ug/L
Vinyl chloride	9.2	3.3	ug/L
m-Xylene & p-Xylene	ND	6.7	ug/L
o-Xylene	ND	3.3	ug/L
Cyclohexanone	ND	67	ug/L
Trichlorofluoromethane	ND	3.3	ug/L
Trichloroethene	ND	3.3	ug/L
1,2,4-Trichloro- benzene	ND	3.3	ug/L
1,1,1-Trichloroethane	ND	3.3	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-002 Work Order #...: LX14V1AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	3.3	ug/L
1,2,3-Trichloropropane	ND	3.3	ug/L
1-Chlorohexane	ND	3.3	ug/L
n-Heptane	ND	3.3	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 0410

DISSOLVED Metals

Lot-Sample #...: A0D150524-002
 Date Sampled...: 04/14/10 11:07

Date Received...: 04/15/10

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0109013						
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/20/10	LX14V1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-04/20/10	LX14V1AD
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/20/10	LX14V1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 0410

General Chemistry

Lot-Sample #...: A0D150524-002 Work Order #...: LX14V Matrix.....: WG
Date Sampled...: 04/14/10 11:07 Date Received..: 04/15/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/16/10	0106342
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	04/19/10	0109216
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0D150524-003 Work Order #...: LX14X1AA Matrix.....: WQ
 Date Sampled...: 04/14/10 Date Received...: 04/15/10
 Prep Date.....: 04/19/10 Analysis Date...: 04/19/10
 Prep Batch #...: 0110149
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0D150524-003 Work Order #...: LX14X1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0D150524-003 Work Order #...: LX14X1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	86	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0D150524
 MB Lot-Sample #: A0D200000-149

Work Order #...: LX7QV1AA

Matrix.....: WATER

Analysis Date...: 04/19/10
 Dilution Factor: 1

Prep Date.....: 04/19/10
 Prep Batch #...: 0110149

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- 2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0D150524

Work Order #...: LX7QV1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0D150524

Work Order #...: LX7QV1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
Dibromofluoromethane	98	(73 - 122)		
1,2-Dichloroethane-d4	101	(61 - 128)		
Toluene-d8	99	(76 - 110)		
4-Bromofluorobenzene	87	(74 - 116)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A0D150524

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
MB Lot-Sample #: A0D190000-013 Prep Batch #...: 0109013						
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/20/10	LX5571AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/20/10	LX5571AC
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-04/20/10	LX5571AD
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0D150524

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Cyanide, Total	ND	Work Order #: LX4M61AA 0.010	mg/L	MB Lot-Sample #: A0D160000-342 SW846 9012A	A0D160000-342 04/16/10	0106342
		Dilution Factor: 1				
Total Phenols	ND	Work Order #: LX6PT1AA 0.040	mg/L	MB Lot-Sample #: A0D190000-216 MCAWW 420.1	A0D190000-216 04/19/10	0109216
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD
 Prep Date.....: 04/19/10 Analysis Date...: 04/19/10
 Prep Batch #...: 0110149
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Chloromethane	119	(48 - 123)			SW846 8260B
	101	(48 - 123)	16	(0-30)	SW846 8260B
Bromomethane	92	(64 - 129)			SW846 8260B
	93	(64 - 129)	0.20	(0-30)	SW846 8260B
Vinyl chloride	110	(61 - 120)			SW846 8260B
	106	(61 - 120)	3.4	(0-30)	SW846 8260B
Chloroethane	97	(66 - 126)			SW846 8260B
	96	(66 - 126)	1.2	(0-30)	SW846 8260B
Methylene chloride	99	(78 - 118)			SW846 8260B
	97	(78 - 118)	2.1	(0-30)	SW846 8260B
Acetone	97	(22 - 200)			SW846 8260B
	98	(22 - 200)	0.84	(0-95)	SW846 8260B
Carbon disulfide	111	(73 - 139)			SW846 8260B
	107	(73 - 139)	3.5	(0-30)	SW846 8260B
1,1-Dichloroethene	113	(63 - 130)			SW846 8260B
	109	(63 - 130)	3.8	(0-20)	SW846 8260B
1,1-Dichloroethane	102	(86 - 123)			SW846 8260B
	101	(86 - 123)	0.77	(0-30)	SW846 8260B
Chloroform	97	(84 - 128)			SW846 8260B
	99	(84 - 128)	2.5	(0-30)	SW846 8260B
1,2-Dichloroethane	99	(79 - 136)			SW846 8260B
	99	(79 - 136)	0.44	(0-30)	SW846 8260B
Methyl ethyl ketone	89	(28 - 237)			SW846 8260B
	92	(28 - 237)	3.5	(0-65)	SW846 8260B
1,1,1-Trichloroethane	104	(78 - 140)			SW846 8260B
	104	(78 - 140)	0.23	(0-30)	SW846 8260B
Carbon tetrachloride	105	(75 - 149)			SW846 8260B
	103	(75 - 149)	1.9	(0-30)	SW846 8260B
Bromodichloromethane	102	(87 - 130)			SW846 8260B
	102	(87 - 130)	0.060	(0-30)	SW846 8260B
1,2-Dichloropropane	101	(82 - 115)			SW846 8260B
	105	(82 - 115)	3.3	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	88	(84 - 130)			SW846 8260B
	91	(84 - 130)	2.7	(0-30)	SW846 8260B
Trichloroethene	100	(75 - 122)			SW846 8260B
	99	(75 - 122)	0.84	(0-20)	SW846 8260B
Chlorodibromomethane	90	(81 - 138)			SW846 8260B
	87	(81 - 138)	3.5	(0-30)	SW846 8260B
1,1,2-Trichloroethane	94	(83 - 122)			SW846 8260B
	94	(83 - 122)	0.49	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	100	(80 - 116)			SW846 8260B
	100	(80 - 116)	0.37	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	93	(84 - 130)			SW846 8260B
	89	(84 - 130)	4.3	(0-30)	SW846 8260B
Bromoform	90	(76 - 150)			SW846 8260B
	84	(76 - 150)	7.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	90	(78 - 141)			SW846 8260B
	93	(78 - 141)	2.4	(0-32)	SW846 8260B
2-Hexanone	94	(35 - 200)			SW846 8260B
	90	(35 - 200)	4.3	(0-52)	SW846 8260B
Tetrachloroethene	102	(88 - 113)			SW846 8260B
	101	(88 - 113)	1.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	95	(85 - 118)			SW846 8260B
	97	(85 - 118)	1.4	(0-30)	SW846 8260B
Toluene	103	(74 - 119)			SW846 8260B
	98	(74 - 119)	4.8	(0-20)	SW846 8260B
Chlorobenzene	97	(76 - 117)			SW846 8260B
	98	(76 - 117)	0.51	(0-20)	SW846 8260B
Ethylbenzene	95	(86 - 116)			SW846 8260B
	92	(86 - 116)	2.5	(0-30)	SW846 8260B
Styrene	93	(85 - 117)			SW846 8260B
	94	(85 - 117)	0.53	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	102	(85 - 113)			SW846 8260B
	101	(85 - 113)	0.99	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	101	(80 - 120)			SW846 8260B
	105	(80 - 120)	3.2	(0-30)	SW846 8260B
Dichlorodifluoromethane	99	(70 - 130)			SW846 8260B
	90	(70 - 130)	9.4	(0-30)	SW846 8260B
Trichlorofluoromethane	119	(70 - 130)			SW846 8260B
	116	(70 - 130)	2.0	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	119	(70 - 130)			SW846 8260B
	114	(70 - 130)	4.7	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	107	(70 - 130)			SW846 8260B
	115	(70 - 130)	7.7	(0-30)	SW846 8260B
1,2-Dibromoethane	101	(70 - 130)			SW846 8260B
	97	(70 - 130)	3.6	(0-30)	SW846 8260B
Isopropylbenzene	93	(70 - 130)			SW846 8260B
	90	(70 - 130)	2.8	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	102	(70 - 130)			SW846 8260B
	102	(70 - 130)	0.45	(0-30)	SW846 8260B
1,4-Dichlorobenzene	100	(70 - 130)			SW846 8260B
	99	(70 - 130)	1.7	(0-30)	SW846 8260B
1,2-Dichlorobenzene	103	(70 - 130)			SW846 8260B
	100	(70 - 130)	2.5	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	87	(70 - 130)			SW846 8260B
	91	(70 - 130)	4.7	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	99	(70 - 130)			SW846 8260B
	97	(70 - 130)	2.1	(0-30)	SW846 8260B
o-Xylene	96	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.2	(0-30)	SW846 8260B
m-Xylene & p-Xylene	94	(70 - 130)			SW846 8260B
	91	(70 - 130)	2.8	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	105	(70 - 130)			SW846 8260B
	120	(70 - 130)	13	(0-30)	SW846 8260B
Acrolein	107	(50 - 130)			SW846 8260B
	110	(50 - 130)	2.6	(0-30)	SW846 8260B
Vinyl acetate	113	(70 - 130)			SW846 8260B
	115	(70 - 130)	1.3	(0-30)	SW846 8260B
Acrylonitrile	96	(50 - 130)			SW846 8260B
	98	(50 - 130)	1.6	(0-30)	SW846 8260B
Bromobenzene	102	(70 - 130)			SW846 8260B
	103	(70 - 130)	0.89	(0-30)	SW846 8260B
Bromochloromethane	100	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.26	(0-30)	SW846 8260B
n-Butylbenzene	100	(70 - 130)			SW846 8260B
	98	(70 - 130)	1.0	(0-30)	SW846 8260B
sec-Butylbenzene	96	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.92	(0-30)	SW846 8260B
tert-Butylbenzene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.80	(0-30)	SW846 8260B
2-Chlorotoluene	107	(70 - 130)			SW846 8260B
	107	(70 - 130)	0.31	(0-30)	SW846 8260B
4-Chlorotoluene	103	(70 - 130)			SW846 8260B
	105	(70 - 130)	1.6	(0-30)	SW846 8260B
Dibromomethane	101	(70 - 130)			SW846 8260B
	102	(70 - 130)	0.79	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	RPD <u>LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	99	(70 - 130)			SW846 8260B
	99	(70 - 130)	0.43	(0-30)	SW846 8260B
2,2-Dichloropropane	106	(70 - 130)			SW846 8260B
	105	(70 - 130)	0.75	(0-30)	SW846 8260B
1,1-Dichloropropene	104	(70 - 130)			SW846 8260B
	103	(70 - 130)	0.74	(0-30)	SW846 8260B
Hexachlorobutadiene	97	(70 - 130)			SW846 8260B
	91	(70 - 130)	6.7	(0-30)	SW846 8260B
Iodomethane	107	(70 - 130)			SW846 8260B
	107	(70 - 130)	0.21	(0-30)	SW846 8260B
p-Isopropyltoluene	97	(70 - 130)			SW846 8260B
	97	(70 - 130)	0.14	(0-30)	SW846 8260B
Naphthalene	88	(70 - 130)			SW846 8260B
	82	(70 - 130)	7.6	(0-30)	SW846 8260B
n-Propylbenzene	100	(70 - 130)			SW846 8260B
	99	(70 - 130)	0.86	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	98	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.4	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	95	(70 - 130)			SW846 8260B
	89	(70 - 130)	7.0	(0-30)	SW846 8260B
1,2,3-Trichloropropane	104	(70 - 130)			SW846 8260B
	107	(70 - 130)	3.0	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	98	(70 - 130)			SW846 8260B
	97	(70 - 130)	0.71	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.67	(0-30)	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Dibromofluoromethane	87	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
	99	(61 - 128)
Toluene-d8	90	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	109	(74 - 116)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0D150524

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A0D190000-013 Prep Batch #...: 0109013					
Chromium	94	(80 - 120)	SW846 6010B	04/19-04/20/10	LX5571AE
		Dilution Factor: 1			
Lead	100	(80 - 120)	SW846 6010B	04/19-04/20/10	LX5571AF
		Dilution Factor: 1			
Nickel	90	(80 - 120)	SW846 6010B	04/19-04/20/10	LX5571AG
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0D150524

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	100	(69 - 118)	SW846 9012A Dilution Factor: 1	Work Order #: LX4M61AC LCS Lot-Sample#: A0D160000-342 04/16/10	0106342
Total Phenols	88	(54 - 137)	MCAWW 420.1 Dilution Factor: 1	Work Order #: LX6PT1AC LCS Lot-Sample#: A0D190000-216 04/19/10	0109216

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix.....: WG
 MS Lot-Sample #: A0D150524-002 LX14V1AJ-MSD
 Date Sampled...: 04/14/10 11:07 Date Received...: 04/15/10
 Prep Date.....: 04/19/10 Analysis Date...: 04/19/10
 Prep Batch #...: 0110149
 Dilution Factor: 3.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	112	(62 - 130)			SW846 8260B
	101	(62 - 130)	11	(0-20)	SW846 8260B
Chloromethane	96	(40 - 137)			SW846 8260B
	84	(40 - 137)	13	(0-39)	SW846 8260B
Bromomethane	79	(55 - 145)			SW846 8260B
	71	(55 - 145)	10	(0-30)	SW846 8260B
Vinyl chloride	110	(88 - 126)			SW846 8260B
	92	(88 - 126)	14	(0-30)	SW846 8260B
Chloroethane	94	(59 - 142)			SW846 8260B
	86	(59 - 142)	9.2	(0-30)	SW846 8260B
Methylene chloride	96	(82 - 115)			SW846 8260B
	90	(82 - 115)	6.3	(0-30)	SW846 8260B
Acetone	82	(45 - 128)			SW846 8260B
	72	(45 - 128)	13	(0-30)	SW846 8260B
Carbon disulfide	115	(69 - 138)			SW846 8260B
	104	(69 - 138)	9.7	(0-41)	SW846 8260B
1,1-Dichloroethane	105	(88 - 127)			SW846 8260B
	98	(88 - 127)	6.2	(0-30)	SW846 8260B
Chloroform	99	(83 - 141)			SW846 8260B
	93	(83 - 141)	6.9	(0-30)	SW846 8260B
1,2-Dichloroethane	97	(71 - 160)			SW846 8260B
	97	(71 - 160)	0.39	(0-30)	SW846 8260B
Methyl ethyl ketone	97	(71 - 123)			SW846 8260B
	88	(71 - 123)	9.1	(0-30)	SW846 8260B
1,1,1-Trichloroethane	101	(71 - 162)			SW846 8260B
	95	(71 - 162)	6.2	(0-30)	SW846 8260B
Carbon tetrachloride	103	(63 - 176)			SW846 8260B
	94	(63 - 176)	9.2	(0-30)	SW846 8260B
Bromodichloromethane	104	(80 - 146)			SW846 8260B
	103	(80 - 146)	1.1	(0-30)	SW846 8260B
1,2-Dichloropropane	100	(87 - 114)			SW846 8260B
	99	(87 - 114)	0.59	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	84	(82 - 130)			SW846 8260B
	80 a	(82 - 130)	4.2	(0-30)	SW846 8260B
Trichloroethene	95	(62 - 130)			SW846 8260B
	95	(62 - 130)	0.36	(0-20)	SW846 8260B
Chlorodibromomethane	94	(71 - 158)			SW846 8260B
	95	(71 - 158)	0.76	(0-30)	SW846 8260B
1,1,2-Trichloroethane	99	(86 - 129)			SW846 8260B
	98	(86 - 129)	1.1	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix.....: WG
 MS Lot-Sample #: A0D150524-002 LX14V1AJ-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	97	(78 - 118)			SW846 8260B
	94	(78 - 118)	2.6	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	87	(73 - 147)			SW846 8260B
	88	(73 - 147)	0.40	(0-30)	SW846 8260B
Bromoform	95	(58 - 176)			SW846 8260B
	92	(58 - 176)	3.4	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	94	(82 - 135)			SW846 8260B
	85	(82 - 135)	10	(0-30)	SW846 8260B
2-Hexanone	99	(81 - 128)			SW846 8260B
	95	(81 - 128)	4.4	(0-30)	SW846 8260B
Tetrachloroethene	99	(85 - 121)			SW846 8260B
	97	(85 - 121)	2.0	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	104	(88 - 116)			SW846 8260B
	104	(88 - 116)	0.48	(0-30)	SW846 8260B
Toluene	97	(70 - 119)			SW846 8260B
	96	(70 - 119)	0.38	(0-20)	SW846 8260B
Chlorobenzene	96	(76 - 117)			SW846 8260B
	96	(76 - 117)	0.49	(0-20)	SW846 8260B
Ethylbenzene	89	(86 - 132)			SW846 8260B
	86	(86 - 132)	3.3	(0-30)	SW846 8260B
Styrene	88	(83 - 120)			SW846 8260B
	84	(83 - 120)	3.9	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	112	(87 - 114)			SW846 8260B
	78 a	(87 - 114)	7.7	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	108	(85 - 116)			SW846 8260B
	100	(85 - 116)	4.4	(0-30)	SW846 8260B
Dichlorodifluoromethane	82	(70 - 130)			SW846 8260B
	75	(70 - 130)	9.1	(0-30)	SW846 8260B
Trichlorofluoromethane	104	(70 - 130)			SW846 8260B
	90	(70 - 130)	15	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	113	(70 - 130)			SW846 8260B
	100	(70 - 130)	12	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	97	(70 - 130)			SW846 8260B
	101	(70 - 130)	4.1	(0-30)	SW846 8260B
1,2-Dibromoethane	102	(70 - 130)			SW846 8260B
	101	(70 - 130)	0.50	(0-30)	SW846 8260B
Isopropylbenzene	76	(70 - 130)			SW846 8260B
	75	(70 - 130)	2.1	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix.....: WG
 MS Lot-Sample #: A0D150524-002 LX14V1AJ-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.74	(0-30)	SW846 8260B
1,4-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.96	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	92	(70 - 130)	3.4	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	102	(70 - 130)			SW846 8260B
	102	(70 - 130)	0.06	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	75	(70 - 130)			SW846 8260B
	79	(70 - 130)	4.5	(0-30)	SW846 8260B
o-Xylene	87	(70 - 130)			SW846 8260B
	85	(70 - 130)	2.7	(0-30)	SW846 8260B
m-Xylene & p-Xylene	87	(70 - 130)			SW846 8260B
	84	(70 - 130)	2.7	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acrolein	98	(50 - 130)			SW846 8260B
	89	(50 - 130)	9.8	(0-30)	SW846 8260B
Acrylonitrile	102	(50 - 130)			SW846 8260B
	93	(50 - 130)	9.1	(0-30)	SW846 8260B
Vinyl acetate	101	(70 - 130)			SW846 8260B
	114	(70 - 130)	12	(0-30)	SW846 8260B
Bromobenzene	101	(70 - 130)			SW846 8260B
	101	(70 - 130)	0.52	(0-30)	SW846 8260B
Bromochloromethane	101	(70 - 130)			SW846 8260B
	94	(70 - 130)	7.6	(0-30)	SW846 8260B
n-Butylbenzene	88	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.5	(0-30)	SW846 8260B
sec-Butylbenzene	85	(70 - 130)			SW846 8260B
	85	(70 - 130)	0.08	(0-30)	SW846 8260B
tert-Butylbenzene	89	(70 - 130)			SW846 8260B
	90	(70 - 130)	0.83	(0-30)	SW846 8260B
2-Chlorotoluene	101	(70 - 130)			SW846 8260B
	99	(70 - 130)	1.6	(0-30)	SW846 8260B
4-Chlorotoluene	99	(70 - 130)			SW846 8260B
	97	(70 - 130)	1.3	(0-30)	SW846 8260B
Dibromomethane	107	(70 - 130)			SW846 8260B
	103	(70 - 130)	3.9	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix.....: WG
 MS Lot-Sample #: A0D150524-002 LX14V1AJ-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	100	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.72	(0-30)	SW846 8260B
2,2-Dichloropropane	91	(70 - 130)			SW846 8260B
	88	(70 - 130)	2.8	(0-30)	SW846 8260B
1,1-Dichloropropene	98	(70 - 130)			SW846 8260B
	95	(70 - 130)	3.4	(0-30)	SW846 8260B
Hexachlorobutadiene	74	(70 - 130)			SW846 8260B
	73	(70 - 130)	1.3	(0-30)	SW846 8260B
Iodomethane	103	(70 - 130)			SW846 8260B
	93	(70 - 130)	10	(0-30)	SW846 8260B
p-Isopropyltoluene	88	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.3	(0-30)	SW846 8260B
Naphthalene	71	(70 - 130)			SW846 8260B
	77	(70 - 130)	7.9	(0-30)	SW846 8260B
n-Propylbenzene	94	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.66	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	93	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.87	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	71	(70 - 130)			SW846 8260B
	74	(70 - 130)	4.2	(0-30)	SW846 8260B
1,2,3-Trichloropropane	110	(70 - 130)			SW846 8260B
	115	(70 - 130)	4.4	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	91	(70 - 130)			SW846 8260B
	90	(70 - 130)	0.78	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	87	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.0	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
	99	(61 - 128)
Toluene-d8	99	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	104	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0D150524

Matrix.....: WG

Date Sampled...: 04/14/10 13:15 Date Received...: 04/15/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: A0D150524-001 Prep Batch #...: 0109013						
Chromium	102	(75 - 125)		SW846 6010B	04/19-04/20/10	LX14L1AH
	103	(75 - 125)	0.73 (0-20)	SW846 6010B	04/19-04/20/10	LX14L1AJ
Dilution Factor: 1						
Lead	105	(75 - 125)		SW846 6010B	04/19-04/20/10	LX14L1AK
	105	(75 - 125)	0.24 (0-20)	SW846 6010B	04/19-04/20/10	LX14L1AL
Dilution Factor: 1						
Nickel	98	(75 - 125)		SW846 6010B	04/19-04/20/10	LX14L1AM
	96	(75 - 125)	1.6 (0-20)	SW846 6010B	04/19-04/20/10	LX14L1AN
Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0D150524

Matrix.....: WATER

Date Sampled...: 04/14/10 08:30 Date Received...: 04/14/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Cyanide			WO#:	LXXX31AH-MS/LXXX31AJ-MSD	MS Lot-Sample #:	A0D140455-002	
	92	(42 - 140)			SW846 9012A	04/16/10	0106340
	78	(42 - 140)	15	(0-20)	SW846 9012A	04/16/10	0106340
			Dilution Factor: 1				
Total Phenols			WO#:	LXQ111AE-MS/LXQ111AF-MSD	MS Lot-Sample #:	A0D090535-004	
	64	(10 - 155)			MCAWW 420.1	04/19/10	0109216
	69	(10 - 155)	6.7	(0-41)	MCAWW 420.1	04/19/10	0109216
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

TL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

Client: **MATEC** Project Manager: **Steve Murray** Date: **4/14/10** Chain of Custody Number: **145773**

Address: **41 Hughes Drive** Telephone Number (Area Code)/Fax Number: **(231) 922-9050** Lab Number: _____ Page **1** of **1**

City: **Townsend** State: **MI** Zip Code: **49086** Site Contact: **James Staley** Lab Contact: **Mark Leeb**

Project Name and Location (Site): **Honeywell South Bend** Contract/Purchase Order/Quote No.: **5133286** Center/Warehouse Number: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)

Sample I.D. No. and Description	Date	Time	Matrix			Containers & Preservatives						Analysis (Attach list if more space is needed)				Special Instructions/ Conditions of Receipt						
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	Dissolved Metals	Total Cyanide		Total Phenols	RL60 VOC'S				
S-23 0410	4-14-10	1315	X																			
S-22 0410	4-14-10	1107	X	X																		
Trip Blank				X																		

Field Filtered for Dissolved Metals Filtered for Total Cyanide and Dissolved Metals

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Return to Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Relinquished By: *[Signature]* Date: **4/14/10** Time: **15:40**

2. Relinquished By: *[Signature]* Date: _____ Time: _____

3. Relinquished By: _____ Date: _____ Time: _____

1. Received By: *[Signature]* Date: **4/15/10** Time: **9:20**

2. Received By: _____ Date: _____ Time: _____

3. Received By: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report, CANARY - Stays with the Sample, PINK - Field Copy

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: A0D1SD524

Client Mactec Project HON - South Bend By: Chris [Signature]
 Cooler Received on 4-15-10 Opened on 4-15-10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other
 TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
 If YES, Quantity 4 Quantity Unsalvageable _____
 Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
 Were custody seals on the bottle(s)? Yes No

2. Shippers' packing slip attached to the cooler(s)? Yes No
 3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
 4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other _____
 6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps

METHOD: IR Other
 COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No
 8. Could all bottle labels be reconciled with the COC? Yes No
 9. Were sample(s) at the correct pH upon receipt? Yes No NA
 10. Were correct bottle(s) used for the test(s) indicated? Yes No NA
 11. Were air bubbles >6 mm in any VOA vials? Yes No NA
 12. Sufficient quantity received to perform indicated analyses? Yes No
 13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
 Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 121709-HNO₃; Sulfuric Acid Lot# 121709-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials
23	2262 712	4/15/10	CS
22	2262 712		J

**TestAmerica Cooler Receipt Form/Narrative
North Canton Facility**

Client ID	pH	Date	Initials
Cooler #	Temp. °C	Method	Coolant
241-990	1.5	IR	Ice
241-781	1.0	L	L

Discrepancies Cont'd:

END OF REPORT

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310090039.6100.1

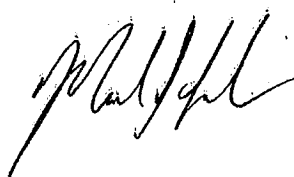
HONEYWELL-SOUTH BEND

Lot #: A0E070460

Steven Murray

Mactec Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.



Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

Approved for release.
Mark J. Loeb
Project Manager II
5/20/2010 12:58 PM

160520 TestAmerica(2) 20039

May 20, 2010



CASE NARRATIVE

A0E070460

The following report contains the analytical results for twenty-nine water samples and one quality control sample submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the Honeywell-South Bend Site, project number 3310090039.6100.1. The samples were received May 07, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on May 19, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 0.7 to 3.9°C.

GC/MS VOLATILES

The matrix spike/matrix spike duplicate(s) for 86-15 05 10 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 0134166 and 0134106 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike(s) for batch(es) 0133353 had recoveries outside acceptance limits. However, since the associated laboratory control sample(s) were in control, no corrective action was necessary.

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample.

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike (MS) samples in batch(es) 0130039.

PESTICIDES-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0131044.

Sample(s) RWB16 05 10 (GRAB) had elevated reporting limits due to matrix interference that routine clean-up techniques could not remove.

The opening CCV passed average, but failed DDT biased low. Since sample(s) RWB16 05 10 (GRAB), RWB23 05 10 (GRAB), and EW-2 05 10 (GRAB) were non-detect, no corrective action was needed.

PCB-608

The analytical results met the requirements of the laboratory's QA/QC program.

CASE NARRATIVE (continued)

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The matrix spike/matrix spike duplicate(s) for batch(es) 0137438 had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

N:\QAQC\Customer Service\Narrative - Combined RCRA_CWA 032609.doc

EXECUTIVE SUMMARY - Detection Highlights

AOE070460

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S9 05 10 05/05/10 11:20 002				
1,1-Dichloroethane	3.3	1.7	ug/L	SW846 8260B
1,2-Dichloroethane	55	1.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	50	1.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	6.8	1.7	ug/L	SW846 8260B
S14 05 10 05/05/10 10:25 003				
1,1-Dichloroethane	9.6	1.7	ug/L	SW846 8260B
1,2-Dichloroethane	7.1	1.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	53	1.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	4.0	1.7	ug/L	SW846 8260B
Trichloroethene	21	1.7	ug/L	SW846 8260B
1,1,1-Trichloroethane	5.2	1.7	ug/L	SW846 8260B
S15 05 10 05/05/10 09:45 004				
cis-1,2-Dichloroethene	1.6	1.0	ug/L	SW846 8260B
Vinyl chloride	2.3	1.0	ug/L	SW846 8260B
S17 05 10 05/05/10 14:40 007				
1,1-Dichloroethane	2.0	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.6	1.0	ug/L	SW846 8260B
Trichloroethene	10	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.9	1.0	ug/L	SW846 8260B
MW-101 05 10 05/05/10 008				
1,1-Dichloroethane	2.0	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.6	1.0	ug/L	SW846 8260B
Trichloroethene	10	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	2.0	1.0	ug/L	SW846 8260B
MW-7 05 10 05/05/10 16:00 009				
1,1-Dichloroethane	6.5	1.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	50	1.7	ug/L	SW846 8260B
Vinyl chloride	44	1.7	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

AOE070460

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
86-15 05 10 05/05/10 11:45 010				
cis-1,2-Dichloroethene	21	5.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	35	5.7	ug/L	SW846 8260B
Trichloroethene	160	5.7	ug/L	SW846 8260B
86-10 05 10 05/05/10 12:35 011				
cis-1,2-Dichloroethene	49	1.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	6.2	1.7	ug/L	SW846 8260B
Trichloroethene	23	1.7	ug/L	SW846 8260B
1,1,1-Trichloroethane	3.9	1.7	ug/L	SW846 8260B
MW-104 05 10 05/05/10 012				
cis-1,2-Dichloroethene	9.5	3.3	ug/L	SW846 8260B
Trichloroethene	90	3.3	ug/L	SW846 8260B
1,1,1-Trichloroethane	28	3.3	ug/L	SW846 8260B
MW-10 05 10 05/05/10 17:20 013				
1,1-Dichloroethane	3.3	2.5	ug/L	SW846 8260B
cis-1,2-Dichloroethene	9.9	2.5	ug/L	SW846 8260B
Trichloroethene	95	2.5	ug/L	SW846 8260B
1,1,1-Trichloroethane	28	2.5	ug/L	SW846 8260B
MW-11 05 10 05/05/10 18:00 014				
1,1-Dichloroethane	8.0	5.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	150	5.7	ug/L	SW846 8260B
Vinyl chloride	26	5.7	ug/L	SW846 8260B
MW-12 05 10 05/05/10 18:30 015				
cis-1,2-Dichloroethene	180	6.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	15	6.7	ug/L	SW846 8260B
Vinyl chloride	15	6.7	ug/L	SW846 8260B
Trichloroethene	24	6.7	ug/L	SW846 8260B
MW-2 05 10 05/05/10 18:55 016				
1,1-Dichloroethane	140	91	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3500	91	ug/L	SW846 8260B
Vinyl chloride	140	91	ug/L	SW846 8260B
1,1,1-Trichloroethane	740	91	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A0E070460

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-4 05 10 05/05/10 16:17 018				
1,1-Dichloroethane	2.5	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.3	1.0	ug/L	SW846 8260B
Trichloroethene	16	1.0	ug/L	SW846 8260B
MW-5 05 10 05/05/10 15:43 019				
Tetrachloroethene	7.8	1.0	ug/L	SW846 8260B
Vinyl chloride	1.0	1.0	ug/L	SW846 8260B
Trichloroethene	18	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	3.4	1.0	ug/L	SW846 8260B
D8 05 10 05/05/10 10:48 021				
cis-1,2-Dichloroethene	16	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	2.9	1.0	ug/L	SW846 8260B
7D 05 10 05/05/10 09:55 023				
cis-1,2-Dichloroethene	6.5	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	4.9	1.0	ug/L	SW846 8260B
Trichloroethene	7.9	1.0	ug/L	SW846 8260B
MW-103 05 10 05/05/10 024				
cis-1,2-Dichloroethene	6.8	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	4.9	1.0	ug/L	SW846 8260B
Trichloroethene	7.9	1.0	ug/L	SW846 8260B
RWB16 05 10 (GRAB) 05/06/10 07:30 025				
Benzene	11	1.0	ug/L	CFR136A 624
RWB23 05 10 (GRAB) 05/06/10 09:50 026				
cis-1,2-Dichloroethene	390	8.0	ug/L	CFR136A 624
Benzene	24	8.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	390	16	ug/L	CFR136A 624
Trichloroethene	160	8.0	ug/L	CFR136A 624
Vinyl chloride	91	8.0	ug/L	CFR136A 624

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A0E070460

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EW-2 05 10 (GRAB) 05/06/10 11:40 027				
cis-1,2-Dichloroethene	130	2.5	ug/L	CFR136A 624
trans-1,2-Dichloroethene	12	2.5	ug/L	CFR136A 624
1,1-Dichloroethane	34	2.5	ug/L	CFR136A 624
1,1-Dichloroethene	5.2	2.5	ug/L	CFR136A 624
1,2-Dichloroethene (total)	140	5.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	26	2.5	ug/L	CFR136A 624
Trichloroethene	89	2.5	ug/L	CFR136A 624
Vinyl chloride	6.3	2.5	ug/L	CFR136A 624
Total Cyanide	0.016	0.010	mg/L	SM18 4500-CN E
RWB16 05 10 (COMP) 05/06/10 09:30 028				
Total phosphorus	0.16	0.10	mg/L	SM18 4500-P E
Nitrogen, as Ammonia	0.6	0.2	mg/L	SM18 4500NH3-F
RWB23 05 10 (COMP) 05/06/10 09:50 029				
Copper	4.1	2.0	ug/L	MCAWW 200.8
Nickel	11.1	2.0	ug/L	MCAWW 200.8
Zinc	44.2	10.0	ug/L	MCAWW 200.8
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F
EW-2 05 10 (COMP) 05/06/10 11:40 030				
Chromium	3.2	2.0	ug/L	MCAWW 200.8
Copper	170	2.0	ug/L	MCAWW 200.8
Nickel	5.1	2.0	ug/L	MCAWW 200.8
Lead	57.0	1.0	ug/L	MCAWW 200.8
Zinc	124	10.0	ug/L	MCAWW 200.8
Total Suspended Solids	6.0	4.0	mg/L	SM18 2540 D
Nitrogen, as Ammonia	0.3	0.2	mg/L	SM18 4500NH3-F

ANALYTICAL METHODS SUMMARY

A0E070460

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids	CFR136A 625
Biochemical Oxygen Demand	SM18 5210 B
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A SGT HEM
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Organochlorine Pesticides and PCBs	CFR136A 608
Phenolics	MCAWW 420.1
Purgeables	CFR136A 624
Total cyanide	SM18 4500-CN E
Total phosphorus	SM18 4500-P E
Total Suspended Solids	SM18 2540 D
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

- CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

AOE070460

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L06P7	001	S3 05 10	05/05/10	12:15
L06QL	002	S9 05 10	05/05/10	11:20
L06QN	003	S14 05 10	05/05/10	10:25
L06QP	004	S15 05 10	05/05/10	09:45
L06QR	005	MW-9 05 10	05/05/10	09:00
L06QV	006	MW-13 05 10	05/05/10	12:55
L06QX	007	S17 05 10	05/05/10	14:40
L06Q1	008	MW-101 05 10	05/05/10	
L06Q4	009	MW-7 05 10	05/05/10	16:00
L06Q5	010	86-15 05 10	05/05/10	11:45
L06Q9	011	86-10 05 10	05/05/10	12:35
L06RA	012	MW-104 05 10	05/05/10	
L06RE	013	MW-10 05 10	05/05/10	17:20
L06RF	014	MW-11 05 10	05/05/10	18:00
L06RH	015	MW-12 05 10	05/05/10	18:30
L06RJ	016	MW-2 05 10	05/05/10	18:55
L06RL	017	TRIP BLANK	05/05/10	
L06RN	018	MW-4 05 10	05/05/10	16:17
L06R1	019	MW-5 05 10	05/05/10	15:43
L06R4	020	D12 05 10	05/05/10	13:49
L06R6	021	D8 05 10	05/05/10	10:48
L06R8	022	9D 05 10	05/05/10	08:10
L06R9	023	7D 05 10	05/05/10	09:55
L06TA	024	MW-103 05 10	05/05/10	
L06TC	025	RWB16 05 10 (GRAB)	05/06/10	07:30
L06TG	026	RWB23 05 10 (GRAB)	05/06/10	09:50
L06TK	027	EW-2 05 10 (GRAB)	05/06/10	11:40
L06TM	028	RWB16 05 10 (COMP)	05/06/10	09:30
L06T2	029	RWB23 05 10 (COMP)	05/06/10	09:50
L06T5	030	EW-2 05 10 (COMP)	05/06/10	11:40

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: S3 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-001 Work Order #...: L06P71AH Matrix.....: WG
 Date Sampled...: 05/05/10 12:15 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S3 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-001 Work Order #...: L06P71AH Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S3 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-001 Work Order #....: L06P71AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S3 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-001

Matrix.....: WG

Date Sampled...: 05/05/10 12:15 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06P71AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06P71AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06P71AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06P71AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S3 05 10

General Chemistry

Lot-Sample #...: A0E070460-001 Work Order #...: L06P7 Matrix.....: WG
Date Sampled...: 05/05/10 12:15 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-002 Work Order #...: L06QL1AH Matrix.....: WG
 Date Sampled...: 05/05/10 11:20 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1.67 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	17	ug/L
Acrolein	ND	33	ug/L
Acrylonitrile	ND	33	ug/L
Benzene	ND	1.7	ug/L
Bromobenzene	ND	1.7	ug/L
Bromochloromethane	ND	1.7	ug/L
Bromodichloromethane	ND	1.7	ug/L
Bromoform	ND	1.7	ug/L
Bromomethane	ND	1.7	ug/L
Methyl ethyl ketone	ND	17	ug/L
n-Butylbenzene	ND	1.7	ug/L
sec-Butylbenzene	ND	1.7	ug/L
tert-Butylbenzene	ND	1.7	ug/L
Carbon disulfide	ND	1.7	ug/L
Carbon tetrachloride	ND	1.7	ug/L
Chlorobenzene	ND	1.7	ug/L
Chlorodibromomethane	ND	1.7	ug/L
Chloroethane	ND	1.7	ug/L
2-Chloroethyl vinyl ether	ND	17	ug/L
Chloroform	ND	1.7	ug/L
Chloromethane	ND	1.7	ug/L
2-Chlorotoluene	ND	1.7	ug/L
4-Chlorotoluene	ND	1.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.3	ug/L
1,2-Dibromoethane	ND	1.7	ug/L
Dibromomethane	ND	1.7	ug/L
1,2-Dichlorobenzene	ND	1.7	ug/L
1,3-Dichlorobenzene	ND	1.7	ug/L
1,4-Dichlorobenzene	ND	1.7	ug/L
trans-1,4-Dichloro-2-butene	ND	1.7	ug/L
Dichlorodifluoromethane	ND	1.7	ug/L
1,1-Dichloroethane	3.3	1.7	ug/L
1,2-Dichloroethane	55	1.7	ug/L
cis-1,2-Dichloroethene	50	1.7	ug/L
trans-1,2-Dichloroethene	6.8	1.7	ug/L
1,1-Dichloroethene	ND	1.7	ug/L
Dichlorofluoromethane	ND	3.3	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-002 Work Order #...: L06QL1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.7	ug/L
1,3-Dichloropropane	ND	1.7	ug/L
2,2-Dichloropropane	ND	1.7	ug/L
cis-1,3-Dichloropropene	ND	1.7	ug/L
trans-1,3-Dichloropropene	ND	1.7	ug/L
1,1-Dichloropropene	ND	1.7	ug/L
Ethylbenzene	ND	1.7	ug/L
Diethyl ether	ND	3.3	ug/L
Ethyl methacrylate	ND	1.7	ug/L
Hexachlorobutadiene	ND	1.7	ug/L
2-Hexanone	ND	17	ug/L
Iodomethane	ND	1.7	ug/L
Isopropylbenzene	ND	1.7	ug/L
p-Isopropyltoluene	ND	1.7	ug/L
Methylene chloride	ND	1.7	ug/L
Methyl methacrylate	ND	3.3	ug/L
4-Methyl-2-pentanone (MIBK)	ND	17	ug/L
Methyl tert-butyl ether (MTBE)	ND	8.4	ug/L
Naphthalene	ND	1.7	ug/L
n-Propylbenzene	ND	1.7	ug/L
Styrene	ND	1.7	ug/L
1,1,1,2-Tetrachloroethane	ND	1.7	ug/L
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L
Tetrachloroethene	ND	1.7	ug/L
Tetrahydrofuran	ND	8.4	ug/L
Toluene	ND	1.7	ug/L
1,2,3-Trichlorobenzene	ND	1.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.7	ug/L
1,2,4-Trimethylbenzene	ND	1.7	ug/L
1,3,5-Trimethylbenzene	ND	1.7	ug/L
Vinyl acetate	ND	3.3	ug/L
Vinyl chloride	ND	1.7	ug/L
m-Xylene & p-Xylene	ND	3.3	ug/L
o-Xylene	ND	1.7	ug/L
Cyclohexanone	ND	33	ug/L
Trichlorofluoromethane	ND	1.7	ug/L
Trichloroethene	ND	1.7	ug/L
1,2,4-Trichloro- benzene	ND	1.7	ug/L
1,1,1-Trichloroethane	ND	1.7	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-002 Work Order #...: L06QL1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.7	ug/L
1,2,3-Trichloropropane	ND	1.7	ug/L
1-Chlorohexane	ND	1.7	ug/L
n-Heptane	ND	1.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S9 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-002

Matrix.....: WG

Date Sampled...: 05/05/10 11:20 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06QL1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06QL1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06QL1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QL1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S9 05 10

General Chemistry

Lot-Sample #...: A0E070460-002 Work Order #...: L06QL Matrix.....: WG
Date Sampled...: 05/05/10 11:20 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137439
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S14 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-003 Work Order #....: L06QN1AH Matrix.....: WG
 Date Sampled...: 05/05/10 10:25 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 1.67 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	17	ug/L
Acrolein	ND	33	ug/L
Acrylonitrile	ND	33	ug/L
Benzene	ND	1.7	ug/L
Bromobenzene	ND	1.7	ug/L
Bromochloromethane	ND	1.7	ug/L
Bromodichloromethane	ND	1.7	ug/L
Bromoform	ND	1.7	ug/L
Bromomethane	ND	1.7	ug/L
Methyl ethyl ketone	ND	17	ug/L
n-Butylbenzene	ND	1.7	ug/L
sec-Butylbenzene	ND	1.7	ug/L
tert-Butylbenzene	ND	1.7	ug/L
Carbon disulfide	ND	1.7	ug/L
Carbon tetrachloride	ND	1.7	ug/L
Chlorobenzene	ND	1.7	ug/L
Chlorodibromomethane	ND	1.7	ug/L
Chloroethane	ND	1.7	ug/L
2-Chloroethyl vinyl ether	ND	17	ug/L
Chloroform	ND	1.7	ug/L
Chloromethane	ND	1.7	ug/L
2-Chlorotoluene	ND	1.7	ug/L
4-Chlorotoluene	ND	1.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.3	ug/L
1,2-Dibromoethane	ND	1.7	ug/L
Dibromomethane	ND	1.7	ug/L
1,2-Dichlorobenzene	ND	1.7	ug/L
1,3-Dichlorobenzene	ND	1.7	ug/L
1,4-Dichlorobenzene	ND	1.7	ug/L
trans-1,4-Dichloro-2-butene	ND	1.7	ug/L
Dichlorodifluoromethane	ND	1.7	ug/L
1,1-Dichloroethane	9.6	1.7	ug/L
1,2-Dichloroethane	7.1	1.7	ug/L
cis-1,2-Dichloroethene	53	1.7	ug/L
trans-1,2-Dichloroethene	4.0	1.7	ug/L
1,1-Dichloroethene	ND	1.7	ug/L
Dichlorofluoromethane	ND	3.3	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S14 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-003 Work Order #...: L06QN1AH Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.7	ug/L
1,3-Dichloropropane	ND	1.7	ug/L
2,2-Dichloropropane	ND	1.7	ug/L
cis-1,3-Dichloropropene	ND	1.7	ug/L
trans-1,3-Dichloropropene	ND	1.7	ug/L
1,1-Dichloropropene	ND	1.7	ug/L
Ethylbenzene	ND	1.7	ug/L
Diethyl ether	ND	3.3	ug/L
Ethyl methacrylate	ND	1.7	ug/L
Hexachlorobutadiene	ND	1.7	ug/L
2-Hexanone	ND	17	ug/L
Iodomethane	ND	1.7	ug/L
Isopropylbenzene	ND	1.7	ug/L
p-Isopropyltoluene	ND	1.7	ug/L
Methylene chloride	ND	1.7	ug/L
Methyl methacrylate	ND	3.3	ug/L
4-Methyl-2-pentanone (MIBK)	ND	17	ug/L
Methyl tert-butyl ether (MTBE)	ND	8.4	ug/L
Naphthalene	ND	1.7	ug/L
n-Propylbenzene	ND	1.7	ug/L
Styrene	ND	1.7	ug/L
1,1,1,2-Tetrachloroethane	ND	1.7	ug/L
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L
Tetrachloroethene	ND	1.7	ug/L
Tetrahydrofuran	ND	8.4	ug/L
Toluene	ND	1.7	ug/L
1,2,3-Trichlorobenzene	ND	1.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.7	ug/L
1,2,4-Trimethylbenzene	ND	1.7	ug/L
1,3,5-Trimethylbenzene	ND	1.7	ug/L
Vinyl acetate	ND	3.3	ug/L
Vinyl chloride	ND	1.7	ug/L
m-Xylene & p-Xylene	ND	3.3	ug/L
o-Xylene	ND	1.7	ug/L
Cyclohexanone	ND	33	ug/L
Trichlorofluoromethane	ND	1.7	ug/L
Trichloroethene	21	1.7	ug/L
1,2,4-Trichloro- benzene	ND	1.7	ug/L
1,1,1-Trichloroethane	5.2	1.7	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S14 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-003 Work Order #....: L06QN1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.7	ug/L
1,2,3-Trichloropropane	ND	1.7	ug/L
1-Chlorohexane	ND	1.7	ug/L
n-Heptane	ND	1.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S14 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-003

Matrix.....: WG

Date Sampled...: 05/05/10 10:25 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06QN1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06QN1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06QN1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QN1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S14 05 10

General Chemistry

Lot-Sample #...: A0E070460-003 Work Order #...: L06QN Matrix.....: WG
Date Sampled...: 05/05/10 10:25 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S15 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-004 Work Order #....: L06QP1AH Matrix.....: WG
 Date Sampled....: 05/05/10 09:45 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	1.6	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S15 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-004 Work Order #....: L06QP1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	2.3	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S15 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-004 Work Order #....: L06QP1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S15 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-004

Matrix.....: WG

Date Sampled...: 05/05/10 09:45 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06QP1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06QP1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06QP1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QP1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S15 05 10

General Chemistry

Lot-Sample #...: A0E070460-004 Work Order #...: L06QP Matrix.....: WG
Date Sampled...: 05/05/10 09:45 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-9 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-005 Work Order #....: L06QR1AH Matrix.....: WG
 Date Sampled....: 05/05/10 09:00 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-005 Work Order #...: L06QR1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-005 Work Order #...: L06QR1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-9 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-005

Matrix.....: WG

Date Sampled...: 05/05/10 09:00 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06QR1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06QR1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06QR1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QR1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-9 05 10

General Chemistry

Lot-Sample #...: A0E070460-005 Work Order #...: L06QR Matrix.....: WG
Date Sampled...: 05/05/10 09:00 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-13 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-006 Work Order #...: L06QV1AH Matrix.....: WG
 Date Sampled...: 05/05/10 12:55 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-13 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-006 Work Order #...: L06QV1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-13 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-006 Work Order #...: L06QV1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-13 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-006

Matrix.....: WG

Date Sampled...: 05/05/10 12:55 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06QV1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06QV1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06QV1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QV1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-13 05 10

General Chemistry

Lot-Sample #...: A0E070460-006 Work Order #...: L06QV Matrix.....: WG
Date Sampled...: 05/05/10 12:55 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S17 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-007 Work Order #....: L06QX1AH Matrix.....: WG
 Date Sampled....: 05/05/10 14:40 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	2.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	1.6	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S17 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-007 Work Order #...: L06QX1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	10	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	1.9	1.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S17 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-007 Work Order #....: L06QX1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S17 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-007

Matrix.....: WG

Date Sampled...: 05/05/10 14:40 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06QX1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06QX1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06QX1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QX1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S17 05 10

General Chemistry

Lot-Sample #...: A0E070460-007 Work Order #...: L06QX Matrix.....: WG
Date Sampled...: 05/05/10 14:40 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-101 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-008 Work Order #....: L06Q11AH Matrix.....: WG
 Date Sampled....: 05/05/10 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	2.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	1.6	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-101 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-008 Work Order #...: L06Q11AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	10	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	2.0	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-101 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-008 Work Order #...: L06Q11AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	82	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-101 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-008

Matrix.....: WG

Date Sampled...: 05/05/10

Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q11AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q11AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q11AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q11AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-101 05 10

General Chemistry

Lot-Sample #...: A0E070460-008 Work Order #...: L06Q1 Matrix.....: WG
Date Sampled...: 05/05/10 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-009 Work Order #...: L06Q41AH Matrix.....: WG
 Date Sampled...: 05/05/10 16:00 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1.67 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	17	ug/L
Acrolein	ND	33	ug/L
Acrylonitrile	ND	33	ug/L
Benzene	ND	1.7	ug/L
Bromobenzene	ND	1.7	ug/L
Bromochloromethane	ND	1.7	ug/L
Bromodichloromethane	ND	1.7	ug/L
Bromoform	ND	1.7	ug/L
Bromomethane	ND	1.7	ug/L
Methyl ethyl ketone	ND	17	ug/L
n-Butylbenzene	ND	1.7	ug/L
sec-Butylbenzene	ND	1.7	ug/L
tert-Butylbenzene	ND	1.7	ug/L
Carbon disulfide	ND	1.7	ug/L
Carbon tetrachloride	ND	1.7	ug/L
Chlorobenzene	ND	1.7	ug/L
Chlorodibromomethane	ND	1.7	ug/L
Chloroethane	ND	1.7	ug/L
2-Chloroethyl vinyl ether	ND	17	ug/L
Chloroform	ND	1.7	ug/L
Chloromethane	ND	1.7	ug/L
2-Chlorotoluene	ND	1.7	ug/L
4-Chlorotoluene	ND	1.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.3	ug/L
1,2-Dibromoethane	ND	1.7	ug/L
Dibromomethane	ND	1.7	ug/L
1,2-Dichlorobenzene	ND	1.7	ug/L
1,3-Dichlorobenzene	ND	1.7	ug/L
1,4-Dichlorobenzene	ND	1.7	ug/L
trans-1,4-Dichloro-2-butene	ND	1.7	ug/L
Dichlorodifluoromethane	ND	1.7	ug/L
1,1-Dichloroethane	6.5	1.7	ug/L
1,2-Dichloroethane	ND	1.7	ug/L
cis-1,2-Dichloroethene	50	1.7	ug/L
trans-1,2-Dichloroethene	ND	1.7	ug/L
1,1-Dichloroethene	ND	1.7	ug/L
Dichlorofluoromethane	ND	3.3	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-009 Work Order #...: L06Q41AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.7	ug/L
1,3-Dichloropropane	ND	1.7	ug/L
2,2-Dichloropropane	ND	1.7	ug/L
cis-1,3-Dichloropropene	ND	1.7	ug/L
trans-1,3-Dichloropropene	ND	1.7	ug/L
1,1-Dichloropropene	ND	1.7	ug/L
Ethylbenzene	ND	1.7	ug/L
Diethyl ether	ND	3.3	ug/L
Ethyl methacrylate	ND	1.7	ug/L
Hexachlorobutadiene	ND	1.7	ug/L
2-Hexanone	ND	17	ug/L
Iodomethane	ND	1.7	ug/L
Isopropylbenzene	ND	1.7	ug/L
p-Isopropyltoluene	ND	1.7	ug/L
Methylene chloride	ND	1.7	ug/L
Methyl methacrylate	ND	3.3	ug/L
4-Methyl-2-pentanone (MIBK)	ND	17	ug/L
Methyl tert-butyl ether (MTBE)	ND	8.4	ug/L
Naphthalene	ND	1.7	ug/L
n-Propylbenzene	ND	1.7	ug/L
Styrene	ND	1.7	ug/L
1,1,1,2-Tetrachloroethane	ND	1.7	ug/L
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L
Tetrachloroethene	ND	1.7	ug/L
Tetrahydrofuran	ND	8.4	ug/L
Toluene	ND	1.7	ug/L
1,2,3-Trichlorobenzene	ND	1.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.7	ug/L
1,2,4-Trimethylbenzene	ND	1.7	ug/L
1,3,5-Trimethylbenzene	ND	1.7	ug/L
Vinyl acetate	ND	3.3	ug/L
Vinyl chloride	44	1.7	ug/L
m-Xylene & p-Xylene	ND	3.3	ug/L
o-Xylene	ND	1.7	ug/L
Cyclohexanone	ND	33	ug/L
Trichlorofluoromethane	ND	1.7	ug/L
Trichloroethene	ND	1.7	ug/L
1,2,4-Trichloro- benzene	ND	1.7	ug/L
1,1,1-Trichloroethane	ND	1.7	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-009 Work Order #...: L06Q41AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.7	ug/L
1,2,3-Trichloropropane	ND	1.7	ug/L
1-Chlorohexane	ND	1.7	ug/L
n-Heptane	ND	1.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-7 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-009

Matrix.....: WG

Date Sampled...: 05/05/10 16:00 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q41AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q41AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q41AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q41AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-7 05 10

General Chemistry

Lot-Sample #...: A0E070460-009 Work Order #...: L06Q4 Matrix.....: WG
Date Sampled...: 05/05/10 16:00 Date Received..: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-15 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-010 Work Order #....: L06Q51AW Matrix.....: WG
 Date Sampled....: 05/05/10 11:45 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 5.71 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	57	ug/L
Acrolein	ND	110	ug/L
Acrylonitrile	ND	110	ug/L
Benzene	ND	5.7	ug/L
Bromobenzene	ND	5.7	ug/L
Bromochloromethane	ND	5.7	ug/L
Bromodichloromethane	ND	5.7	ug/L
Bromoform	ND	5.7	ug/L
Bromomethane	ND	5.7	ug/L
Methyl ethyl ketone	ND	57	ug/L
n-Butylbenzene	ND	5.7	ug/L
sec-Butylbenzene	ND	5.7	ug/L
tert-Butylbenzene	ND	5.7	ug/L
Carbon disulfide	ND	5.7	ug/L
Carbon tetrachloride	ND	5.7	ug/L
Chlorobenzene	ND	5.7	ug/L
Chlorodibromomethane	ND	5.7	ug/L
Chloroethane	ND	5.7	ug/L
2-Chloroethyl vinyl ether	ND	57	ug/L
Chloroform	ND	5.7	ug/L
Chloromethane	ND	5.7	ug/L
2-Chlorotoluene	ND	5.7	ug/L
4-Chlorotoluene	ND	5.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/L
1,2-Dibromoethane	ND	5.7	ug/L
Dibromomethane	ND	5.7	ug/L
1,2-Dichlorobenzene	ND	5.7	ug/L
1,3-Dichlorobenzene	ND	5.7	ug/L
1,4-Dichlorobenzene	ND	5.7	ug/L
trans-1,4-Dichloro-2-butene	ND	5.7	ug/L
Dichlorodifluoromethane	ND	5.7	ug/L
1,1-Dichloroethane	ND	5.7	ug/L
1,2-Dichloroethane	ND	5.7	ug/L
cis-1,2-Dichloroethene	21	5.7	ug/L
trans-1,2-Dichloroethene	35	5.7	ug/L
1,1-Dichloroethene	ND	5.7	ug/L
Dichlorofluoromethane	ND	11	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 86-15 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-010 Work Order #....: L06Q51AW Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	5.7	ug/L
1,3-Dichloropropane	ND	5.7	ug/L
2,2-Dichloropropane	ND	5.7	ug/L
cis-1,3-Dichloropropene	ND	5.7	ug/L
trans-1,3-Dichloropropene	ND	5.7	ug/L
1,1-Dichloropropene	ND	5.7	ug/L
Ethylbenzene	ND	5.7	ug/L
Diethyl ether	ND	11	ug/L
Ethyl methacrylate	ND	5.7	ug/L
Hexachlorobutadiene	ND	5.7	ug/L
2-Hexanone	ND	57	ug/L
Iodomethane	ND	5.7	ug/L
Isopropylbenzene	ND	5.7	ug/L
p-Isopropyltoluene	ND	5.7	ug/L
Methylene chloride	ND	5.7	ug/L
Methyl methacrylate	ND	11	ug/L
4-Methyl-2-pentanone (MIBK)	ND	57	ug/L
Methyl tert-butyl ether (MTBE)	ND	29	ug/L
Naphthalene	ND	5.7	ug/L
n-Propylbenzene	ND	5.7	ug/L
Styrene	ND	5.7	ug/L
1,1,1,2-Tetrachloroethane	ND	5.7	ug/L
1,1,2,2-Tetrachloroethane	ND	5.7	ug/L
Tetrachloroethene	ND	5.7	ug/L
Tetrahydrofuran	ND	29	ug/L
Toluene	ND	5.7	ug/L
1,2,3-Trichlorobenzene	ND	5.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.7	ug/L
1,2,4-Trimethylbenzene	ND	5.7	ug/L
1,3,5-Trimethylbenzene	ND	5.7	ug/L
Vinyl acetate	ND	11	ug/L
Vinyl chloride	ND	5.7	ug/L
m-Xylene & p-Xylene	ND	11	ug/L
o-Xylene	ND	5.7	ug/L
Cyclohexanone	ND	110	ug/L
Trichlorofluoromethane	ND	5.7	ug/L
Trichloroethene	160	5.7	ug/L
1,2,4-Trichloro- benzene	ND	5.7	ug/L
1,1,1-Trichloroethane	ND	5.7	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-15 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-010 Work Order #....: L06Q51AW Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	5.7	ug/L
1,2,3-Trichloropropane	ND	5.7	ug/L
1-Chlorohexane	ND	5.7	ug/L
n-Heptane	ND	5.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-15 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-010

Matrix.....: WG

Date Sampled...: 05/05/10 11:45 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q51AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q51AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q51AL
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q51AE
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-15 05 10

General Chemistry

Lot-Sample #....: A0E070460-010 Work Order #....: L06Q5 Matrix.....: WG
Date Sampled....: 05/05/10 11:45 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-10 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-011 Work Order #....: L06Q91AH Matrix.....: WG
 Date Sampled....: 05/05/10 12:35 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 1.67 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	17	ug/L
Acrolein	ND	33	ug/L
Acrylonitrile	ND	33	ug/L
Benzene	ND	1.7	ug/L
Bromobenzene	ND	1.7	ug/L
Bromochloromethane	ND	1.7	ug/L
Bromodichloromethane	ND	1.7	ug/L
Bromoform	ND	1.7	ug/L
Bromomethane	ND	1.7	ug/L
Methyl ethyl ketone	ND	17	ug/L
n-Butylbenzene	ND	1.7	ug/L
sec-Butylbenzene	ND	1.7	ug/L
tert-Butylbenzene	ND	1.7	ug/L
Carbon disulfide	ND	1.7	ug/L
Carbon tetrachloride	ND	1.7	ug/L
Chlorobenzene	ND	1.7	ug/L
Chlorodibromomethane	ND	1.7	ug/L
Chloroethane	ND	1.7	ug/L
2-Chloroethyl vinyl ether	ND	17	ug/L
Chloroform	ND	1.7	ug/L
Chloromethane	ND	1.7	ug/L
2-Chlorotoluene	ND	1.7	ug/L
4-Chlorotoluene	ND	1.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.3	ug/L
1,2-Dibromoethane	ND	1.7	ug/L
Dibromomethane	ND	1.7	ug/L
1,2-Dichlorobenzene	ND	1.7	ug/L
1,3-Dichlorobenzene	ND	1.7	ug/L
1,4-Dichlorobenzene	ND	1.7	ug/L
trans-1,4-Dichloro-2-butene	ND	1.7	ug/L
Dichlorodifluoromethane	ND	1.7	ug/L
1,1-Dichloroethane	ND	1.7	ug/L
1,2-Dichloroethane	ND	1.7	ug/L
cis-1,2-Dichloroethene	49	1.7	ug/L
trans-1,2-Dichloroethene	6.2	1.7	ug/L
1,1-Dichloroethene	ND	1.7	ug/L
Dichlorofluoromethane	ND	3.3	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 86-10 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-011 Work Order #...: L06Q91AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.7	ug/L
1,3-Dichloropropane	ND	1.7	ug/L
2,2-Dichloropropane	ND	1.7	ug/L
cis-1,3-Dichloropropene	ND	1.7	ug/L
trans-1,3-Dichloropropene	ND	1.7	ug/L
1,1-Dichloropropene	ND	1.7	ug/L
Ethylbenzene	ND	1.7	ug/L
Diethyl ether	ND	3.3	ug/L
Ethyl methacrylate	ND	1.7	ug/L
Hexachlorobutadiene	ND	1.7	ug/L
2-Hexanone	ND	17	ug/L
Iodomethane	ND	1.7	ug/L
Isopropylbenzene	ND	1.7	ug/L
p-Isopropyltoluene	ND	1.7	ug/L
Methylene chloride	ND	1.7	ug/L
Methyl methacrylate	ND	3.3	ug/L
4-Methyl-2-pentanone (MIBK)	ND	17	ug/L
Methyl tert-butyl ether (MTBE)	ND	8.4	ug/L
Naphthalene	ND	1.7	ug/L
n-Propylbenzene	ND	1.7	ug/L
Styrene	ND	1.7	ug/L
1,1,1,2-Tetrachloroethane	ND	1.7	ug/L
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L
Tetrachloroethene	ND	1.7	ug/L
Tetrahydrofuran	ND	8.4	ug/L
Toluene	ND	1.7	ug/L
1,2,3-Trichlorobenzene	ND	1.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.7	ug/L
1,2,4-Trimethylbenzene	ND	1.7	ug/L
1,3,5-Trimethylbenzene	ND	1.7	ug/L
Vinyl acetate	ND	3.3	ug/L
Vinyl chloride	ND	1.7	ug/L
m-Xylene & p-Xylene	ND	3.3	ug/L
o-Xylene	ND	1.7	ug/L
Cyclohexanone	ND	33	ug/L
Trichlorofluoromethane	ND	1.7	ug/L
Trichloroethene	23	1.7	ug/L
1,2,4-Trichloro- benzene	ND	1.7	ug/L
1,1,1-Trichloroethane	3.9	1.7	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-10 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-011 Work Order #...: L06Q91AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.7	ug/L
1,2,3-Trichloropropane	ND	1.7	ug/L
1-Chlorohexane	ND	1.7	ug/L
n-Heptane	ND	1.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-10 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-011

Matrix.....: WG

Date Sampled...: 05/05/10 12:35 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q91AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q91AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q91AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06Q91AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 86-10 05 10

General Chemistry

Lot-Sample #....: A0E070460-011 Work Order #....: L06Q9 Matrix.....: WG
Date Sampled....: 05/05/10 12:35 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-104 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-012 Work Order #...: L06RA1AH Matrix.....: WG
 Date Sampled...: 05/05/10 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 3.33 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	33	ug/L
Acrolein	ND	67	ug/L
Acrylonitrile	ND	67	ug/L
Benzene	ND	3.3	ug/L
Bromobenzene	ND	3.3	ug/L
Bromochloromethane	ND	3.3	ug/L
Bromodichloromethane	ND	3.3	ug/L
Bromoform	ND	3.3	ug/L
Bromomethane	ND	3.3	ug/L
Methyl ethyl ketone	ND	33	ug/L
n-Butylbenzene	ND	3.3	ug/L
sec-Butylbenzene	ND	3.3	ug/L
tert-Butylbenzene	ND	3.3	ug/L
Carbon disulfide	ND	3.3	ug/L
Carbon tetrachloride	ND	3.3	ug/L
Chlorobenzene	ND	3.3	ug/L
Chlorodibromomethane	ND	3.3	ug/L
Chloroethane	ND	3.3	ug/L
2-Chloroethyl vinyl ether	ND	33	ug/L
Chloroform	ND	3.3	ug/L
Chloromethane	ND	3.3	ug/L
2-Chlorotoluene	ND	3.3	ug/L
4-Chlorotoluene	ND	3.3	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.7	ug/L
1,2-Dibromoethane	ND	3.3	ug/L
Dibromomethane	ND	3.3	ug/L
1,2-Dichlorobenzene	ND	3.3	ug/L
1,3-Dichlorobenzene	ND	3.3	ug/L
1,4-Dichlorobenzene	ND	3.3	ug/L
trans-1,4-Dichloro-2-butene	ND	3.3	ug/L
Dichlorodifluoromethane	ND	3.3	ug/L
1,1-Dichloroethane	ND	3.3	ug/L
1,2-Dichloroethane	ND	3.3	ug/L
cis-1,2-Dichloroethene	9.5	3.3	ug/L
trans-1,2-Dichloroethene	ND	3.3	ug/L
1,1-Dichloroethene	ND	3.3	ug/L
Dichlorofluoromethane	ND	6.7	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-104 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-012 Work Order #...: L06RA1AH Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	3.3	ug/L
1,3-Dichloropropane	ND	3.3	ug/L
2,2-Dichloropropane	ND	3.3	ug/L
cis-1,3-Dichloropropene	ND	3.3	ug/L
trans-1,3-Dichloropropene	ND	3.3	ug/L
1,1-Dichloropropene	ND	3.3	ug/L
Ethylbenzene	ND	3.3	ug/L
Diethyl ether	ND	6.7	ug/L
Ethyl methacrylate	ND	3.3	ug/L
Hexachlorobutadiene	ND	3.3	ug/L
2-Hexanone	ND	33	ug/L
Iodomethane	ND	3.3	ug/L
Isopropylbenzene	ND	3.3	ug/L
p-Isopropyltoluene	ND	3.3	ug/L
Methylene chloride	ND	3.3	ug/L
Methyl methacrylate	ND	6.7	ug/L
4-Methyl-2-pentanone (MIBK)	ND	33	ug/L
Methyl tert-butyl ether (MTBE)	ND	17	ug/L
Naphthalene	ND	3.3	ug/L
n-Propylbenzene	ND	3.3	ug/L
Styrene	ND	3.3	ug/L
1,1,1,2-Tetrachloroethane	ND	3.3	ug/L
1,1,2,2-Tetrachloroethane	ND	3.3	ug/L
Tetrachloroethene	ND	3.3	ug/L
Tetrahydrofuran	ND	17	ug/L
Toluene	ND	3.3	ug/L
1,2,3-Trichlorobenzene	ND	3.3	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	3.3	ug/L
1,2,4-Trimethylbenzene	ND	3.3	ug/L
1,3,5-Trimethylbenzene	ND	3.3	ug/L
Vinyl acetate	ND	6.7	ug/L
Vinyl chloride	ND	3.3	ug/L
m-Xylene & p-Xylene	ND	6.7	ug/L
o-Xylene	ND	3.3	ug/L
Cyclohexanone	ND	67	ug/L
Trichlorofluoromethane	ND	3.3	ug/L
Trichloroethene	90	3.3	ug/L
1,2,4-Trichloro- benzene	ND	3.3	ug/L
1,1,1-Trichloroethane	28	3.3	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-104 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-012 Work Order #....: L06RA1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	3.3	ug/L
1,2,3-Trichloropropane	ND	3.3	ug/L
1-Chlorohexane	ND	3.3	ug/L
n-Heptane	ND	3.3	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-104 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-012

Matrix.....: WG

Date Sampled...: 05/05/10

Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06RA1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06RA1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06RA1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06RA1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-104 05 10

General Chemistry

Lot-Sample #....: A0E070460-012 Work Order #....: L06RA Matrix.....: WG
Date Sampled....: 05/05/10 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-10 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-013 Work Order #....: L06RE1AH Matrix.....: WG
 Date Sampled....: 05/05/10 17:20 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 2.5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	25	ug/L
Acrolein	ND	50	ug/L
Acrylonitrile	ND	50	ug/L
Benzene	ND	2.5	ug/L
Bromobenzene	ND	2.5	ug/L
Bromochloromethane	ND	2.5	ug/L
Bromodichloromethane	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	2.5	ug/L
Methyl ethyl ketone	ND	25	ug/L
n-Butylbenzene	ND	2.5	ug/L
sec-Butylbenzene	ND	2.5	ug/L
tert-Butylbenzene	ND	2.5	ug/L
Carbon disulfide	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	2.5	ug/L
2-Chloroethyl vinyl ether	ND	25	ug/L
Chloroform	ND	2.5	ug/L
Chloromethane	ND	2.5	ug/L
2-Chlorotoluene	ND	2.5	ug/L
4-Chlorotoluene	ND	2.5	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L
1,2-Dibromoethane	ND	2.5	ug/L
Dibromomethane	ND	2.5	ug/L
1,2-Dichlorobenzene	ND	2.5	ug/L
1,3-Dichlorobenzene	ND	2.5	ug/L
1,4-Dichlorobenzene	ND	2.5	ug/L
trans-1,4-Dichloro-2-butene	ND	2.5	ug/L
Dichlorodifluoromethane	ND	2.5	ug/L
1,1-Dichloroethane	3.3	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
cis-1,2-Dichloroethene	9.9	2.5	ug/L
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,1-Dichloroethene	ND	2.5	ug/L
Dichlorofluoromethane	ND	5.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-10 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-013 Work Order #....: L06RE1AH Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	2.5	ug/L
1,3-Dichloropropane	ND	2.5	ug/L
2,2-Dichloropropane	ND	2.5	ug/L
cis-1,3-Dichloropropene	ND	2.5	ug/L
trans-1,3-Dichloropropene	ND	2.5	ug/L
1,1-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Diethyl ether	ND	5.0	ug/L
Ethyl methacrylate	ND	2.5	ug/L
Hexachlorobutadiene	ND	2.5	ug/L
2-Hexanone	ND	25	ug/L
Iodomethane	ND	2.5	ug/L
Isopropylbenzene	ND	2.5	ug/L
p-Isopropyltoluene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
Methyl methacrylate	ND	5.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	25	ug/L
Methyl tert-butyl ether (MTBE)	ND	12	ug/L
Naphthalene	ND	2.5	ug/L
n-Propylbenzene	ND	2.5	ug/L
Styrene	ND	2.5	ug/L
1,1,1,2-Tetrachloroethane	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	ND	2.5	ug/L
Tetrahydrofuran	ND	12	ug/L
Toluene	ND	2.5	ug/L
1,2,3-Trichlorobenzene	ND	2.5	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	2.5	ug/L
1,2,4-Trimethylbenzene	ND	2.5	ug/L
1,3,5-Trimethylbenzene	ND	2.5	ug/L
Vinyl acetate	ND	5.0	ug/L
Vinyl chloride	ND	2.5	ug/L
m-Xylene & p-Xylene	ND	5.0	ug/L
o-Xylene	ND	2.5	ug/L
Cyclohexanone	ND	50	ug/L
Trichlorofluoromethane	ND	2.5	ug/L
Trichloroethene	95	2.5	ug/L
1,2,4-Trichloro- benzene	ND	2.5	ug/L
1,1,1-Trichloroethane	28	2.5	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-10 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-013 Work Order #...: L06RE1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	2.5	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
1-Chlorohexane	ND	2.5	ug/L
n-Heptane	ND	2.5	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-10 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-013

Matrix.....: WG

Date Sampled...: 05/05/10 17:20 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06RE1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06RE1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06RE1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06RE1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-10 05 10

General Chemistry

Lot-Sample #...: AOE070460-013 Work Order #...: L06RE Matrix.....: WG
Date Sampled...: 05/05/10 17:20 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-11 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-014 Work Order #....: L06RF1AH Matrix.....: WG
 Date Sampled....: 05/05/10 18:00 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 5.71 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	57	ug/L
Acrolein	ND	110	ug/L
Acrylonitrile	ND	110	ug/L
Benzene	ND	5.7	ug/L
Bromobenzene	ND	5.7	ug/L
Bromochloromethane	ND	5.7	ug/L
Bromodichloromethane	ND	5.7	ug/L
Bromoform	ND	5.7	ug/L
Bromomethane	ND	5.7	ug/L
Methyl ethyl ketone	ND	57	ug/L
n-Butylbenzene	ND	5.7	ug/L
sec-Butylbenzene	ND	5.7	ug/L
tert-Butylbenzene	ND	5.7	ug/L
Carbon disulfide	ND	5.7	ug/L
Carbon tetrachloride	ND	5.7	ug/L
Chlorobenzene	ND	5.7	ug/L
Chlorodibromomethane	ND	5.7	ug/L
Chloroethane	ND	5.7	ug/L
2-Chloroethyl vinyl ether	ND	57	ug/L
Chloroform	ND	5.7	ug/L
Chloromethane	ND	5.7	ug/L
2-Chlorotoluene	ND	5.7	ug/L
4-Chlorotoluene	ND	5.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/L
1,2-Dibromoethane	ND	5.7	ug/L
Dibromomethane	ND	5.7	ug/L
1,2-Dichlorobenzene	ND	5.7	ug/L
1,3-Dichlorobenzene	ND	5.7	ug/L
1,4-Dichlorobenzene	ND	5.7	ug/L
trans-1,4-Dichloro-2-butene	ND	5.7	ug/L
Dichlorodifluoromethane	ND	5.7	ug/L
1,1-Dichloroethane	8.0	5.7	ug/L
1,2-Dichloroethane	ND	5.7	ug/L
cis-1,2-Dichloroethene	150	5.7	ug/L
trans-1,2-Dichloroethene	ND	5.7	ug/L
1,1-Dichloroethene	ND	5.7	ug/L
Dichlorofluoromethane	ND	11	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-11 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-014 Work Order #...: L06RF1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	5.7	ug/L
1,3-Dichloropropane	ND	5.7	ug/L
2,2-Dichloropropane	ND	5.7	ug/L
cis-1,3-Dichloropropene	ND	5.7	ug/L
trans-1,3-Dichloropropene	ND	5.7	ug/L
1,1-Dichloropropene	ND	5.7	ug/L
Ethylbenzene	ND	5.7	ug/L
Diethyl ether	ND	11	ug/L
Ethyl methacrylate	ND	5.7	ug/L
Hexachlorobutadiene	ND	5.7	ug/L
2-Hexanone	ND	57	ug/L
Iodomethane	ND	5.7	ug/L
Isopropylbenzene	ND	5.7	ug/L
p-Isopropyltoluene	ND	5.7	ug/L
Methylene chloride	ND	5.7	ug/L
Methyl methacrylate	ND	11	ug/L
4-Methyl-2-pentanone (MIBK)	ND	57	ug/L
Methyl tert-butyl ether (MTBE)	ND	29	ug/L
Naphthalene	ND	5.7	ug/L
n-Propylbenzene	ND	5.7	ug/L
Styrene	ND	5.7	ug/L
1,1,1,2-Tetrachloroethane	ND	5.7	ug/L
1,1,2,2-Tetrachloroethane	ND	5.7	ug/L
Tetrachloroethene	ND	5.7	ug/L
Tetrahydrofuran	ND	29	ug/L
Toluene	ND	5.7	ug/L
1,2,3-Trichlorobenzene	ND	5.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.7	ug/L
1,2,4-Trimethylbenzene	ND	5.7	ug/L
1,3,5-Trimethylbenzene	ND	5.7	ug/L
Vinyl acetate	ND	11	ug/L
Vinyl chloride	26	5.7	ug/L
m-Xylene & p-Xylene	ND	11	ug/L
o-Xylene	ND	5.7	ug/L
Cyclohexanone	ND	110	ug/L
Trichlorofluoromethane	ND	5.7	ug/L
Trichloroethene	ND	5.7	ug/L
1,2,4-Trichloro- benzene	ND	5.7	ug/L
1,1,1-Trichloroethane	ND	5.7	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-11 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-014 Work Order #...: L06RF1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	5.7	ug/L
1,2,3-Trichloropropane	ND	5.7	ug/L
1-Chlorohexane	ND	5.7	ug/L
n-Heptane	ND	5.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-11 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-014

Matrix.....: WG

Date Sampled...: 05/05/10 18:00 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06RF1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06RF1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06RF1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06RF1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-11 05 10

General Chemistry

Lot-Sample #....: A0E070460-014 Work Order #....: L06RF Matrix.....: WG
Date Sampled....: 05/05/10 18:00 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-12 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-015 Work Order #....: L06RH1AH Matrix.....: WG
 Date Sampled...: 05/05/10 18:30 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 6.67 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	67	ug/L
Acrolein	ND	130	ug/L
Acrylonitrile	ND	130	ug/L
Benzene	ND	6.7	ug/L
Bromobenzene	ND	6.7	ug/L
Bromochloromethane	ND	6.7	ug/L
Bromodichloromethane	ND	6.7	ug/L
Bromoform	ND	6.7	ug/L
Bromomethane	ND	6.7	ug/L
Methyl ethyl ketone	ND	67	ug/L
n-Butylbenzene	ND	6.7	ug/L
sec-Butylbenzene	ND	6.7	ug/L
tert-Butylbenzene	ND	6.7	ug/L
Carbon disulfide	ND	6.7	ug/L
Carbon tetrachloride	ND	6.7	ug/L
Chlorobenzene	ND	6.7	ug/L
Chlorodibromomethane	ND	6.7	ug/L
Chloroethane	ND	6.7	ug/L
2-Chloroethyl vinyl ether	ND	67	ug/L
Chloroform	ND	6.7	ug/L
Chloromethane	ND	6.7	ug/L
2-Chlorotoluene	ND	6.7	ug/L
4-Chlorotoluene	ND	6.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L
1,2-Dibromoethane	ND	6.7	ug/L
Dibromomethane	ND	6.7	ug/L
1,2-Dichlorobenzene	ND	6.7	ug/L
1,3-Dichlorobenzene	ND	6.7	ug/L
1,4-Dichlorobenzene	ND	6.7	ug/L
trans-1,4-Dichloro-2-butene	ND	6.7	ug/L
Dichlorodifluoromethane	ND	6.7	ug/L
1,1-Dichloroethane	ND	6.7	ug/L
1,2-Dichloroethane	ND	6.7	ug/L
cis-1,2-Dichloroethene	180	6.7	ug/L
trans-1,2-Dichloroethene	15	6.7	ug/L
1,1-Dichloroethene	ND	6.7	ug/L
Dichlorofluoromethane	ND	13	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-12 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-015 Work Order #....: L06RH1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	6.7	ug/L
1,3-Dichloropropane	ND	6.7	ug/L
2,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND	6.7	ug/L
1,1-Dichloropropene	ND	6.7	ug/L
Ethylbenzene	ND	6.7	ug/L
Diethyl ether	ND	13	ug/L
Ethyl methacrylate	ND	6.7	ug/L
Hexachlorobutadiene	ND	6.7	ug/L
2-Hexanone	ND	67	ug/L
Iodomethane	ND	6.7	ug/L
Isopropylbenzene	ND	6.7	ug/L
p-Isopropyltoluene	ND	6.7	ug/L
Methylene chloride	ND	6.7	ug/L
Methyl methacrylate	ND	13	ug/L
4-Methyl-2-pentanone (MIBK)	ND	67	ug/L
Methyl tert-butyl ether (MTBE)	ND	33	ug/L
Naphthalene	ND	6.7	ug/L
n-Propylbenzene	ND	6.7	ug/L
Styrene	ND	6.7	ug/L
1,1,1,2-Tetrachloroethane	ND	6.7	ug/L
1,1,2,2-Tetrachloroethane	ND	6.7	ug/L
Tetrachloroethene	ND	6.7	ug/L
Tetrahydrofuran	ND	33	ug/L
Toluene	ND	6.7	ug/L
1,2,3-Trichlorobenzene	ND	6.7	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.7	ug/L
1,2,4-Trimethylbenzene	ND	6.7	ug/L
1,3,5-Trimethylbenzene	ND	6.7	ug/L
Vinyl acetate	ND	13	ug/L
Vinyl chloride	15	6.7	ug/L
m-Xylene & p-Xylene	ND	13	ug/L
o-Xylene	ND	6.7	ug/L
Cyclohexanone	ND	130	ug/L
Trichlorofluoromethane	ND	6.7	ug/L
Trichloroethene	24	6.7	ug/L
1,2,4-Trichloro- benzene	ND	6.7	ug/L
1,1,1-Trichloroethane	ND	6.7	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-12 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-015 Work Order #....: L06RH1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	6.7	ug/L
1,2,3-Trichloropropane	ND	6.7	ug/L
1-Chlorohexane	ND	6.7	ug/L
n-Heptane	ND	6.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-12 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-015

Matrix.....: WG

Date Sampled...: 05/05/10 18:30 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06RH1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06RH1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06RH1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06RH1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-12 05 10

General Chemistry

Lot-Sample #...: A0E070460-015 Work Order #...: L06RH Matrix.....: WG
Date Sampled...: 05/05/10 18:30 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-2 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-016 Work Order #....: L06RJ1AH Matrix.....: WG
 Date Sampled....: 05/05/10 18:55 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0133306
 Dilution Factor: 90.91 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	910	ug/L
Acrolein	ND	1800	ug/L
Acrylonitrile	ND	1800	ug/L
Benzene	ND	91	ug/L
Bromobenzene	ND	91	ug/L
Bromochloromethane	ND	91	ug/L
Bromodichloromethane	ND	91	ug/L
Bromoform	ND	91	ug/L
Bromomethane	ND	91	ug/L
Methyl ethyl ketone	ND	910	ug/L
n-Butylbenzene	ND	91	ug/L
sec-Butylbenzene	ND	91	ug/L
tert-Butylbenzene	ND	91	ug/L
Carbon disulfide	ND	91	ug/L
Carbon tetrachloride	ND	91	ug/L
Chlorobenzene	ND	91	ug/L
Chlorodibromomethane	ND	91	ug/L
Chloroethane	ND	91	ug/L
2-Chloroethyl vinyl ether	ND	910	ug/L
Chloroform	ND	91	ug/L
Chloromethane	ND	91	ug/L
2-Chlorotoluene	ND	91	ug/L
4-Chlorotoluene	ND	91	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	180	ug/L
1,2-Dibromoethane	ND	91	ug/L
Dibromomethane	ND	91	ug/L
1,2-Dichlorobenzene	ND	91	ug/L
1,3-Dichlorobenzene	ND	91	ug/L
1,4-Dichlorobenzene	ND	91	ug/L
trans-1,4-Dichloro-2-butene	ND	91	ug/L
Dichlorodifluoromethane	ND	91	ug/L
1,1-Dichloroethane	140	91	ug/L
1,2-Dichloroethane	ND	91	ug/L
cis-1,2-Dichloroethene	3500	91	ug/L
trans-1,2-Dichloroethene	ND	91	ug/L
1,1-Dichloroethene	ND	91	ug/L
Dichlorofluoromethane	ND	180	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-2 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-016 Work Order #...: L06RJ1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	91	ug/L
1,3-Dichloropropane	ND	91	ug/L
2,2-Dichloropropane	ND	91	ug/L
cis-1,3-Dichloropropene	ND	91	ug/L
trans-1,3-Dichloropropene	ND	91	ug/L
1,1-Dichloropropene	ND	91	ug/L
Ethylbenzene	ND	91	ug/L
Diethyl ether	ND	180	ug/L
Ethyl methacrylate	ND	91	ug/L
Hexachlorobutadiene	ND	91	ug/L
2-Hexanone	ND	910	ug/L
Iodomethane	ND	91	ug/L
Isopropylbenzene	ND	91	ug/L
p-Isopropyltoluene	ND	91	ug/L
Methylene chloride	ND	91	ug/L
Methyl methacrylate	ND	180	ug/L
4-Methyl-2-pentanone (MIBK)	ND	910	ug/L
Methyl tert-butyl ether (MTBE)	ND	450	ug/L
Naphthalene	ND	91	ug/L
n-Propylbenzene	ND	91	ug/L
Styrene	ND	91	ug/L
1,1,1,2-Tetrachloroethane	ND	91	ug/L
1,1,2,2-Tetrachloroethane	ND	91	ug/L
Tetrachloroethene	ND	91	ug/L
Tetrahydrofuran	ND	450	ug/L
Toluene	ND	91	ug/L
1,2,3-Trichlorobenzene	ND	91	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	91	ug/L
1,2,4-Trimethylbenzene	ND	91	ug/L
1,3,5-Trimethylbenzene	ND	91	ug/L
Vinyl acetate	ND	180	ug/L
Vinyl chloride	140	91	ug/L
m-Xylene & p-Xylene	ND	180	ug/L
o-Xylene	ND	91	ug/L
Cyclohexanone	ND	1800	ug/L
Trichlorofluoromethane	ND	91	ug/L
Trichloroethene	ND	91	ug/L
1,2,4-Trichloro- benzene	ND	91	ug/L
1,1,1-Trichloroethane	740	91	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-2 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-016 Work Order #...: L06RJ1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	91	ug/L
1,2,3-Trichloropropane	ND	91	ug/L
1-Chlorohexane	ND	91	ug/L
n-Heptane	ND	91	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-2 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-016

Matrix.....: WG

Date Sampled...: 05/05/10 18:55 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06RJ1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06RJ1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06RJ1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06RJ1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-2 05 10

General Chemistry

Lot-Sample #...: A0E070460-016 Work Order #...: L06RJ Matrix.....: WG
Date Sampled...: 05/05/10 18:55 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: A0E070460-017 Work Order #....: L06RL1AA Matrix.....: WQ
 Date Sampled....: 05/05/10 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E070460-017 Work Order #...: L06RL1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E070460-017 Work Order #...: L06RL1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-4 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-018 Work Order #....: L06RN1AH Matrix.....: WG
 Date Sampled....: 05/05/10 16:17 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	2.5	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	3.3	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-4 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-018 Work Order #...: L06RN1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	16	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-4 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-018 Work Order #....: L06RN1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-4 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-018

Matrix.....: WG

Date Sampled...: 05/05/10 16:17 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06RN1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06RN1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06RN1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06RN1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-4 05 10

General Chemistry

Lot-Sample #....: A0E070460-018 Work Order #....: L06RN Matrix.....: WG
Date Sampled....: 05/05/10 16:17 Date Received..: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-5 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-019 Work Order #....: L06R11AH Matrix.....: WG
 Date Sampled....: 05/05/10 15:43 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-5 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-019 Work Order #...: L06R11AH Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	7.8	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	1.0	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	18	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	3.4	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-5 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-019 Work Order #....: L06R11AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-5 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-019

Matrix.....: WG

Date Sampled...: 05/05/10 15:43 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06R11AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06R11AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06R11AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06R11AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-5 05 10

General Chemistry

Lot-Sample #...: A0E070460-019 Work Order #...: L06R1 Matrix.....: WG
Date Sampled...: 05/05/10 15:43 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D12 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-020 Work Order #....: L06R41AH Matrix.....: WG
 Date Sampled....: 05/05/10 13:49 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134106
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D12 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-020 Work Order #...: L06R41AH Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D12 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-020 Work Order #...: L06R41AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	82	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: D12 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-020

Matrix.....: WG

Date Sampled...: 05/05/10 13:49 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06R41AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06R41AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06R41AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06R41AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D12 05 10

General Chemistry

Lot-Sample #....: A0E070460-020 Work Order #....: L06R4 Matrix.....: WG
Date Sampled....: 05/05/10 13:49 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D8 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-021 Work Order #....: L06R61AH Matrix.....: WG
 Date Sampled....: 05/05/10 10:48 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134106
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	16	1.0	ug/L
trans-1,2-Dichloroethene	2.9	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D8 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-021 Work Order #...: L06R61AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D8 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-021 Work Order #...: L06R61AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: D8 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-021

Matrix.....: WG

Date Sampled...: 05/05/10 10:48 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06R61AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06R61AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06R61AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06R61AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D8 05 10

General Chemistry

Lot-Sample #...: A0E070460-021 Work Order #...: L06R6 Matrix.....: WG
Date Sampled...: 05/05/10 10:48 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 9D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-022 Work Order #...: L06R81AH Matrix.....: WG
 Date Sampled...: 05/05/10 08:10 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134106
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 9D 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-022 Work Order #....: L06R81AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 9D 05 10

GC/MS Volatiles

Lot-Sample #....: A0E070460-022 Work Order #....: L06R81AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 9D 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-022

Matrix.....: WG

Date Sampled...: 05/05/10 08:10 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130014						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06R81AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06R81AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06R81AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06R81AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 9D 05 10

General Chemistry

Lot-Sample #....: A0E070460-022 Work Order #....: L06R8 Matrix.....: WG
Date Sampled....: 05/05/10 08:10 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 7D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-023 Work Order #...: L06R91AH Matrix.....: WG
 Date Sampled...: 05/05/10 09:55 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134106
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	6.5	1.0	ug/L
trans-1,2-Dichloroethene	4.9	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: 7D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-023 Work Order #...: L06R91AH Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	7.9	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: 7D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-023 Work Order #...: L06R91AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 7D 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-023

Matrix.....: WG

Date Sampled...: 05/05/10 09:55 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER.#</u>
Prep Batch #...: 0130014						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06R91AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06R91AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06R91AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06R91AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 7D 05 10

General Chemistry

Lot-Sample #...: A0E070460-023 Work Order #...: L06R9 Matrix.....: WG
Date Sampled...: 05/05/10 09:55 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-103 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-024 Work Order #...: L06TA1AH Matrix.....: WG
 Date Sampled...: 05/05/10 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134106
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	6.8	1.0	ug/L
trans-1,2-Dichloroethene	4.9	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-103 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-024 Work Order #...: L06TA1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	7.9	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-103 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-024 Work Order #...: L06TA1AH Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	82	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-103 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-024

Matrix.....: WG

Date Sampled...: 05/05/10

Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130014						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L06TA1AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L06TA1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L06TA1AE
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06TA1AC
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-103 05 10

General Chemistry

Lot-Sample #...: A0E070460-024 Work Order #...: L06TA Matrix.....: WG
Date Sampled...: 05/05/10 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E070460-025 Work Order #...: L06TC1AD Matrix.....: WG
 Date Sampled...: 05/06/10 07:30 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 1 Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	11	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
<u>SURROGATE</u>			
1,2-Dichloroethane-d4	109	(80 - 125)	
Toluene-d8	101	(84 - 110)	
Bromofluorobenzene	89	(81 - 112)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E070460-025 Work Order #...: L06TC1AE Matrix.....: WG
 Date Sampled...: 05/06/10 07:30 Date Received...: 05/07/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E070460-025 Work Order #...: L06TC1AE Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	63	(10 - 135)
Phenol-d5	63	(10 - 132)
2,4,6-Tribromophenol	70	(10 - 142)
2-Fluorobiphenyl	58	(38 - 110)
Terphenyl-d14	75	(24 - 135)
Nitrobenzene-d5	63	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E070460-025 Work Order #...: L06TC1AA Matrix.....: WG
Date Sampled...: 05/06/10 07:30 Date Received...: 05/07/10
Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
Prep Batch #...: 0131045
Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	67	(15 - 131)	
Decachlorobiphenyl	30	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E070460-025 Work Order #....: L06TC1AC Matrix.....: WG
 Date Sampled...: 05/06/10 07:30 Date Received...: 05/07/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/17/10
 Prep Batch #....: 0131044
 Dilution Factor: 2 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	0.10	ug/L
alpha-BHC	ND	0.10	ug/L
beta-BHC	ND	0.10	ug/L
delta-BHC	ND	0.10	ug/L
gamma-BHC (Lindane)	ND	0.10	ug/L
Chlordane (technical)	ND	1.0	ug/L
4,4'-DDD	ND	0.10	ug/L
4,4'-DDE	ND	0.10	ug/L
4,4'-DDT	ND	0.10	ug/L
Dieldrin	ND	0.10	ug/L
Endosulfan I	ND	0.10	ug/L
Endosulfan II	ND	0.10	ug/L
Endosulfan sulfate	ND	0.10	ug/L
Endrin	ND	0.10	ug/L
Endrin aldehyde	ND	0.10	ug/L
Heptachlor	ND	0.10	ug/L
Heptachlor epoxide	ND	0.10	ug/L
Toxaphene	ND	4.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	87	(10 - 151)	
Decachlorobiphenyl	46	(10 - 151)	

NOTE(S):

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E070460-025 Work Order #...: L06TC Matrix.....: WG
Date Sampled...: 05/06/10 07:30 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/14/10	0134251
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: AOE070460-026 Work Order #...: L06TG1AD Matrix.....: WG
 Date Sampled...: 05/06/10 09:50 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 8 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	390	8.0	ug/L
trans-1,2-Dichloroethene	ND	8.0	ug/L
Acrolein	ND	160	ug/L
Acrylonitrile	ND	160	ug/L
Benzene	24	8.0	ug/L
Bromoform	ND	8.0	ug/L
Bromomethane	ND	8.0	ug/L
Carbon tetrachloride	ND	8.0	ug/L
Chlorobenzene	ND	8.0	ug/L
Chlorodibromomethane	ND	8.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	8.0	ug/L
Chloromethane	ND	8.0	ug/L
Dichlorobromomethane	ND	8.0	ug/L
1,1-Dichloroethane	ND	8.0	ug/L
1,2-Dichloroethane	ND	8.0	ug/L
1,1-Dichloroethene	ND	8.0	ug/L
1,2-Dichloroethene	390	16	ug/L
(total)			
1,2-Dichloropropane	ND	8.0	ug/L
cis-1,3-Dichloropropene	ND	8.0	ug/L
trans-1,3-Dichloropropene	ND	8.0	ug/L
Ethylbenzene	ND	8.0	ug/L
Methylene chloride	ND	8.0	ug/L
1,1,2,2-Tetrachloroethane	ND	8.0	ug/L
Tetrachloroethene	ND	8.0	ug/L
Toluene	ND	8.0	ug/L
1,1,1-Trichloroethane	ND	8.0	ug/L
1,1,2-Trichloroethane	ND	8.0	ug/L
Trichloroethene	160	8.0	ug/L
Vinyl chloride	91	8.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	105	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	88	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E070460-026 Work Order #...: L06TG1AE Matrix.....: WG
 Date Sampled...: 05/06/10 09:50 Date Received...: 05/07/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo (a) anthracene	ND	10	ug/L
Benzo (a) pyrene	ND	10	ug/L
Benzo (b) fluoranthene	ND	10	ug/L
Benzo (ghi) perylene	ND	10	ug/L
Benzo (k) fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis (2-Chloroethoxy) methane	ND	10	ug/L
bis (2-Chloroethyl)- ether	ND	10	ug/L
bis (2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz (a, h) anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #....: A0E070460-026 Work Order #....: L06TG1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
<u>SURROGATE</u>			
2-Fluorophenol	61	(10 - 135)	
Phenol-d5	62	(10 - 132)	
2,4,6-Tribromophenol	63	(10 - 142)	
2-Fluorobiphenyl	55	(38 - 110)	
Terphenyl-d14	71	(24 - 135)	
Nitrobenzene-d5	63	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E070460-026 Work Order #....: L06TG1AA Matrix.....: WG
 Date Sampled...: 05/06/10 09:50 Date Received...: 05/07/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0131045
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	87	(15 - 131)	
Decachlorobiphenyl	31	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E070460-026 Work Order #....: L06TG1AC Matrix.....: WG
 Date Sampled....: 05/06/10 09:50 Date Received...: 05/07/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0131044
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	73	(10 - 151)	
Decachlorobiphenyl	30	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E070460-026 Work Order #...: L06TG Matrix.....: WG
Date Sampled...: 05/06/10 09:50 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/14/10	0134251
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E070460-027 Work Order #...: L06TK1AD Matrix.....: WG
 Date Sampled...: 05/06/10 11:40 Date Received...: 05/07/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 2.5 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	130	2.5	ug/L
trans-1,2-Dichloroethene	12	2.5	ug/L
Acrolein	ND	50	ug/L
Acrylonitrile	ND	50	ug/L
Benzene	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	2.5	ug/L
Chloroform	ND	2.5	ug/L
Chloromethane	ND	2.5	ug/L
Dichlorobromomethane	ND	2.5	ug/L
1,1-Dichloroethane	34	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
1,1-Dichloroethene	5.2	2.5	ug/L
1,2-Dichloroethene	140	5.0	ug/L
(total)			
1,2-Dichloropropane	ND	2.5	ug/L
cis-1,3-Dichloropropene	ND	2.5	ug/L
trans-1,3-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	ND	2.5	ug/L
Toluene	ND	2.5	ug/L
1,1,1-Trichloroethane	26	2.5	ug/L
1,1,2-Trichloroethane	ND	2.5	ug/L
Trichloroethene	89	2.5	ug/L
Vinyl chloride	6.3	2.5	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	108	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	86	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E070460-027 Work Order #...: L06TK1AE Matrix.....: WG
 Date Sampled...: 05/06/10 11:40 Date Received...: 05/07/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E070460-027 Work Order #...: L06TK1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
2-Fluorophenol	63	(10 - 135)
Phenol-d5	64	(10 - 132)
2,4,6-Tribromophenol	69	(10 - 142)
2-Fluorobiphenyl	58	(38 - 110)
Terphenyl-d14	69	(24 - 135)
Nitrobenzene-d5	66	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E070460-027 Work Order #...: L06TK1AA Matrix.....: WG
Date Sampled...: 05/06/10 11:40 Date Received...: 05/07/10
Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
Prep Batch #...: 0131045
Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	85	(15 - 131)
Decachlorobiphenyl	50	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E070460-027 Work Order #....: L06TK1AC Matrix.....: WG
 Date Sampled....: 05/06/10 11:40 Date Received...: 05/07/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0131044
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	69	(10 - 151)	
Decachlorobiphenyl	46	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E070460-027 Work Order #...: L06TK Matrix.....: WG
Date Sampled...: 05/06/10 11:40 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
		Dilution Factor: 1				
Total Cyanide	0.016	0.010	mg/L	SM18 4500-CN E	05/14/10	0134251
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E070460-028

Matrix.....: WG

Date Sampled...: 05/06/10 09:30 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AE
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L06TM1AP
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AG
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AN
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB16 05 10 (COMP)

General Chemistry

Lot-Sample #....: A0E070460-028 Work Order #....: L06TM Matrix.....: WG
 Date Sampled....: 05/06/10 09:30 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.6	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Dilution Factor: 1				
Total phosphorus	0.16	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E070460-029

Matrix.....: WG

Date Sampled...: 05/06/10 09:50 Date Received...: 05/07/10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AE
		Dilution Factor: 1				
Copper	4.1	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L06T21AP
		Dilution Factor: 1				
Nickel	11.1	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AG
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AN
		Dilution Factor: 1				
Zinc	44.2	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB23 05 10 (COMP)

General Chemistry

Lot-Sample #...: A0E070460-029 Work Order #...: L06T2 Matrix.....: WG
 Date Sampled...: 05/06/10 09:50 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: AOE070460-030

Matrix.....: WG

Date Sampled...: 05/06/10 11:40 Date Received...: 05/07/10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AD
		Dilution Factor: 1				
Chromium	3.2	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AE
		Dilution Factor: 1				
Copper	170	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L06T51AP
		Dilution Factor: 1				
Nickel	5.1	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AG
		Dilution Factor: 1				
Lead	57.0	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AN
		Dilution Factor: 1				
Zinc	124	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 05 10 (COMP)

General Chemistry

Lot-Sample #....: A0E070460-030 Work Order #....: L06T5 Matrix.....: WG
 Date Sampled....: 05/06/10 11:40 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.3	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Dilution Factor: 1				
Total Suspended Solids	6.0	4.0	mg/L	SM18 2540 D	05/12/10	0132096
		Dilution Factor: 1				

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1GQ91AA Matrix.....: WATER
 MB Lot-Sample #: A0E130000-353
 Prep Date.....: 05/12/10
 Analysis Date...: 05/12/10 Prep Batch #...: 0133353
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	106	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	88	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460
 MB Lot-Sample #: A0E130000-306
 Analysis Date...: 05/12/10
 Dilution Factor: 1

Work Order #...: L1F9H1AA
 Prep Date.....: 05/12/10
 Prep Batch #...: 0133306

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- 2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460

Work Order #...: L1F9H1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460

Work Order #...: L1F9H1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
Dibromofluoromethane	102	(73 - 122)		
1,2-Dichloroethane-d4	91	(61 - 128)		
Toluene-d8	97	(76 - 110)		
4-Bromofluorobenzene	97	(74 - 116)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460
 MB Lot-Sample #: A0E140000-106
 Analysis Date...: 05/13/10
 Dilution Factor: 1

Work Order #...: L1HDX1AA
 Prep Date.....: 05/13/10
 Prep Batch #...: 0134106

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460

Work Order #...: L1HDX1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460

Work Order #...: L1HDX1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
Dibromofluoromethane	99	(73 - 122)		
1,2-Dichloroethane-d4	82	(61 - 128)		
Toluene-d8	94	(76 - 110)		
4-Bromofluorobenzene	97	(74 - 116)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460
 MB Lot-Sample #: A0E140000-166

Work Order #...: L1HL61AA

Matrix.....: WATER

Prep Date.....: 05/12/10

Analysis Date...: 05/12/10

Prep Batch #...: 0134166

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- 2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460

Work Order #...: L1HL61AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E070460

Work Order #...: L1HL61AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
Dibromofluoromethane	99	(73 - 122)		
1,2-Dichloroethane-d4	86	(61 - 128)		
Toluene-d8	96	(76 - 110)		
4-Bromofluorobenzene	96	(74 - 116)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0E070460
 MB Lot-Sample #: A0E100000-039

Work Order #...: L09D81AA

Matrix.....: WATER

Analysis Date...: 05/17/10
 Dilution Factor: 1

Prep Date.....: 05/10/10

Prep Batch #...: 0130039

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	10	ug/L	CFR136A 625
m-Cresol	ND	10	ug/L	CFR136A 625
p-Cresol	ND	10	ug/L	CFR136A 625
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)-ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	10	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0E070460

Work Order #...: L09D81AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta- diene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	10	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro- benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro- phenol	ND	10	ug/L	CFR136A 625

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
2-Fluorophenol	67	(10 - 135)
Phenol-d5	66	(10 - 132)
2,4,6-Tribromophenol	66	(10 - 142)
2-Fluorobiphenyl	59	(38 - 110)
Terphenyl-d14	78	(24 - 135)
Nitrobenzene-d5	68	(44 - 110)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L1ANJ1AA Matrix.....: WATER
 MB Lot-Sample #: A0E110000-044
 Analysis Date...: 05/13/10 Prep Date.....: 05/11/10
 Dilution Factor: 1 Prep Batch #...: 0131044

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.050	ug/L	CFR136A 608
4,4'-DDE	ND	0.050	ug/L	CFR136A 608
4,4'-DDT	ND	0.050	ug/L	CFR136A 608
Dieldrin	ND	0.050	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.050	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.050	ug/L	CFR136A 608
Endrin	ND	0.050	ug/L	CFR136A 608
Endrin aldehyde	ND	0.050	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	2.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	79	(10 - 151)
Decachlorobiphenyl	77	(10 - 151)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L1ANK1AA Matrix.....: WATER
 MB Lot-Sample #: A0E110000-045
 Prep Date.....: 05/11/10
 Analysis Date...: 05/12/10 Prep Batch #...: 0131045
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	1.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Tetrachloro-m-xylene	88	(15 - 131)		
Decachlorobiphenyl	85	(10 - 114)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A0E070460

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A0E100000-013 Prep Batch #...: 0130013						
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AL
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AE
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AF
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AH
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L09C81AP
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AG
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AM
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AA
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AN
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AJ
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MB Lot-Sample #: A0E100000-012 Prep Batch #...: 0130012						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L09C61AD
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L09C61AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L09C61AC
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L09C61AE
		Dilution Factor: 1				
MB Lot-Sample #: A0E100000-014 Prep Batch #...: 0130014						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/10-05/11/10	L09DA1C1
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/10-05/11/10	L09DA1C5
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L09DA1C2
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/11/10	L09DA1C6
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
		Work Order #: L1G7X1AA MB Lot-Sample #: A0E140000-056				
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
		Work Order #: L1G711AA MB Lot-Sample #: A0E140000-058				
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
		Work Order #: L07T61AA MB Lot-Sample #: A0E070000-405				
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137360
		Work Order #: L1L3W1AA MB Lot-Sample #: A0E170000-360				
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Work Order #: L1MDT1AA MB Lot-Sample #: A0E170000-418				
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137439
		Work Order #: L1MFT1AA MB Lot-Sample #: A0E170000-439				
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Work Order #: L1NN41AA MB Lot-Sample #: A0E180000-248				
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Work Order #: L1J031AA MB Lot-Sample #: A0E140000-419				
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/14/10	0134251
		Work Order #: L1H241AA MB Lot-Sample #: A0E140000-251				
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/15/10	0135099
		Work Order #: L1K3J1AA MB Lot-Sample #: A0E150000-099				
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Phenols	ND	Work Order #: L1LLG1AA 0.040	mg/L	MB Lot-Sample #: A0E170000-201 MCAWW 420.1	A0E170000-201 05/17/10	0137201
		Dilution Factor: 1				
Total Suspended Solids	ND	Work Order #: L1DEP1AA 4.0	mg/L	MB Lot-Sample #: A0E120000-096 SM18 2540 D	A0E120000-096 05/12/10	0132096
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1GQ91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-353 L1GQ91AD-LCSD
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133353
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
trans-1,2-Dichloroethene	106	(54 - 156)			CFR136A 624
	102	(54 - 156)	4.1	(0-30)	CFR136A 624
Benzene	103	(37 - 151)			CFR136A 624
	103	(37 - 151)	0.65	(0-30)	CFR136A 624
Bromoform	86	(45 - 169)			CFR136A 624
	82	(45 - 169)	4.9	(0-30)	CFR136A 624
Bromomethane	71	(10 - 242)			CFR136A 624
	68	(10 - 242)	4.8	(0-30)	CFR136A 624
Carbon tetrachloride	111	(70 - 140)			CFR136A 624
	115	(70 - 140)	3.2	(0-30)	CFR136A 624
Chlorobenzene	100	(37 - 160)			CFR136A 624
	100	(37 - 160)	0.56	(0-30)	CFR136A 624
Chlorodibromomethane	92	(53 - 149)			CFR136A 624
	87	(53 - 149)	5.6	(0-30)	CFR136A 624
Chloroethane	75	(14 - 230)			CFR136A 624
	71	(14 - 230)	6.8	(0-30)	CFR136A 624
Chloroform	109	(51 - 138)			CFR136A 624
	110	(51 - 138)	0.84	(0-30)	CFR136A 624
Chloromethane	83	(10 - 273)			CFR136A 624
	81	(10 - 273)	2.0	(0-30)	CFR136A 624
Dichlorobromomethane	114	(35 - 155)			CFR136A 624
	110	(35 - 155)	3.9	(0-30)	CFR136A 624
1,1-Dichloroethane	109	(59 - 155)			CFR136A 624
	104	(59 - 155)	4.2	(0-30)	CFR136A 624
1,2-Dichloroethane	104	(49 - 155)			CFR136A 624
	98	(49 - 155)	6.1	(0-30)	CFR136A 624
1,1-Dichloroethene	111	(10 - 234)			CFR136A 624
	106	(10 - 234)	3.9	(0-30)	CFR136A 624
1,2-Dichloropropane	107	(10 - 210)			CFR136A 624
	104	(10 - 210)	2.0	(0-30)	CFR136A 624
cis-1,3-Dichloropropene	90	(10 - 227)			CFR136A 624
	87	(10 - 227)	3.3	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	78	(17 - 183)			CFR136A 624
	73	(17 - 183)	7.1	(0-30)	CFR136A 624
Ethylbenzene	98	(37 - 162)			CFR136A 624
	95	(37 - 162)	2.3	(0-30)	CFR136A 624
Methylene chloride	64	(10 - 221)			CFR136A 624
	60	(10 - 221)	5.7	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	91	(46 - 157)			CFR136A 624
	86	(46 - 157)	5.7	(0-30)	CFR136A 624

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1GQ91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-353 L1GQ91AD-LCSD

<u>PARAMETER</u>	PERCENT	RECOVERY	RPD		<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
Tetrachloroethene	114	(64 - 148)			CFR136A 624
	117	(64 - 148)	2.8	(0-30)	CFR136A 624
Toluene	103	(47 - 150)			CFR136A 624
	100	(47 - 150)	2.9	(0-30)	CFR136A 624
1,1,1-Trichloroethane	103	(52 - 162)			CFR136A 624
	107	(52 - 162)	4.2	(0-30)	CFR136A 624
1,1,2-Trichloroethane	98	(52 - 150)			CFR136A 624
	94	(52 - 150)	4.6	(0-30)	CFR136A 624
Trichloroethene	115	(71 - 157)			CFR136A 624
	115	(71 - 157)	0.34	(0-30)	CFR136A 624
Vinyl chloride	82	(10 - 251)			CFR136A 624
	82	(10 - 251)	0.56	(0-30)	CFR136A 624

<u>SURROGATE</u>	PERCENT	RECOVERY
	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	109	(80 - 125)
	100	(80 - 125)
Toluene-d8	107	(84 - 110)
	103	(84 - 110)
Bromofluorobenzene	98	(81 - 112)
	93	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Chloromethane	74	(48 - 123)			SW846 8260B
	68	(48 - 123)	8.6	(0-30)	SW846 8260B
Bromomethane	109	(64 - 129)			SW846 8260B
	90	(64 - 129)	19	(0-30)	SW846 8260B
Vinyl chloride	85	(61 - 120)			SW846 8260B
	80	(61 - 120)	6.1	(0-30)	SW846 8260B
Chloroethane	94	(66 - 126)			SW846 8260B
	78	(66 - 126)	18	(0-30)	SW846 8260B
Methylene chloride	102	(78 - 118)			SW846 8260B
	93	(78 - 118)	9.0	(0-30)	SW846 8260B
Acetone	107	(22 - 200)			SW846 8260B
	101	(22 - 200)	5.9	(0-95)	SW846 8260B
Carbon disulfide	96	(73 - 139)			SW846 8260B
	90	(73 - 139)	7.2	(0-30)	SW846 8260B
1,1-Dichloroethene	111	(63 - 130)			SW846 8260B
	103	(63 - 130)	7.5	(0-20)	SW846 8260B
1,1-Dichloroethane	96	(86 - 123)			SW846 8260B
	93	(86 - 123)	3.5	(0-30)	SW846 8260B
Chloroform	95	(84 - 128)			SW846 8260B
	91	(84 - 128)	3.5	(0-30)	SW846 8260B
1,2-Dichloroethane	89	(79 - 136)			SW846 8260B
	91	(79 - 136)	1.7	(0-30)	SW846 8260B
Methyl ethyl ketone	91	(28 - 237)			SW846 8260B
	95	(28 - 237)	3.7	(0-65)	SW846 8260B
1,1,1-Trichloroethane	94	(78 - 140)			SW846 8260B
	90	(78 - 140)	4.7	(0-30)	SW846 8260B
Carbon tetrachloride	90	(75 - 149)			SW846 8260B
	87	(75 - 149)	3.1	(0-30)	SW846 8260B
Bromodichloromethane	84 a	(87 - 130)			SW846 8260B
	86 a	(87 - 130)	1.5	(0-30)	SW846 8260B
1,2-Dichloropropane	93	(82 - 115)			SW846 8260B
	96	(82 - 115)	2.9	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	82 a	(84 - 130)			SW846 8260B
	88	(84 - 130)	8.0	(0-30)	SW846 8260B
Trichloroethene	99	(75 - 122)			SW846 8260B
	99	(75 - 122)	0.48	(0-20)	SW846 8260B
Chlorodibromomethane	78 a	(81 - 138)			SW846 8260B
	79 a	(81 - 138)	1.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(83 - 122)			SW846 8260B
	92	(83 - 122)	2.3	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Benzene	96	(80 - 116)			SW846 8260B
	94	(80 - 116)	1.4	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	77 a	(84 - 130)			SW846 8260B
	82 a	(84 - 130)	6.3	(0-30)	SW846 8260B
Bromoform	73 a	(76 - 150)			SW846 8260B
	71 a	(76 - 150)	3.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	90	(78 - 141)			SW846 8260B
	98	(78 - 141)	8.3	(0-32)	SW846 8260B
2-Hexanone	80	(35 - 200)			SW846 8260B
	83	(35 - 200)	4.5	(0-52)	SW846 8260B
Tetrachloroethene	98	(88 - 113)			SW846 8260B
	95	(88 - 113)	2.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	83 a	(85 - 118)			SW846 8260B
	87	(85 - 118)	5.2	(0-30)	SW846 8260B
Toluene	91	(74 - 119)			SW846 8260B
	91	(74 - 119)	0.55	(0-20)	SW846 8260B
Chlorobenzene	95	(76 - 117)			SW846 8260B
	96	(76 - 117)	0.67	(0-20)	SW846 8260B
Ethylbenzene	96	(86 - 116)			SW846 8260B
	95	(86 - 116)	1.3	(0-30)	SW846 8260B
Styrene	96	(85 - 117)			SW846 8260B
	94	(85 - 117)	2.2	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(85 - 113)			SW846 8260B
	94	(85 - 113)	6.4	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	104	(80 - 120)			SW846 8260B
	98	(80 - 120)	5.7	(0-30)	SW846 8260B
Dichlorodifluoromethane	54 a	(70 - 130)			SW846 8260B
	49 a	(70 - 130)	9.1	(0-30)	SW846 8260B
Trichlorofluoromethane	98	(70 - 130)			SW846 8260B
	81	(70 - 130)	18	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	125	(70 - 130)			SW846 8260B
	119	(70 - 130)	5.5	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	107	(70 - 130)			SW846 8260B
	98	(70 - 130)	8.1	(0-30)	SW846 8260B
1,2-Dibromoethane	91	(70 - 130)			SW846 8260B
	95	(70 - 130)	3.6	(0-30)	SW846 8260B
Isopropylbenzene	95	(70 - 130)			SW846 8260B
	89	(70 - 130)	6.3	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS	LIMITS	LIMITS	
1,3-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	95	(70 - 130)	2.7	(0-30)	SW846 8260B
1,4-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.3	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	79	(70 - 130)			SW846 8260B
	80	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	103	(70 - 130)			SW846 8260B
	101	(70 - 130)	2.5	(0-30)	SW846 8260B
o-Xylene	99	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.8	(0-30)	SW846 8260B
m-Xylene & p-Xylene	97	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.4	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	86	(70 - 130)			SW846 8260B
	92	(70 - 130)	6.6	(0-30)	SW846 8260B
Acrolein	108	(50 - 130)			SW846 8260B
	100	(50 - 130)	7.0	(0-30)	SW846 8260B
Vinyl acetate	98	(70 - 130)			SW846 8260B
	99	(70 - 130)	1.6	(0-30)	SW846 8260B
Acrylonitrile	98	(50 - 130)			SW846 8260B
	97	(50 - 130)	1.4	(0-30)	SW846 8260B
Bromobenzene	93	(70 - 130)			SW846 8260B
	99	(70 - 130)	6.4	(0-30)	SW846 8260B
Bromochloromethane	102	(70 - 130)			SW846 8260B
	99	(70 - 130)	3.6	(0-30)	SW846 8260B
n-Butylbenzene	87	(70 - 130)			SW846 8260B
	86	(70 - 130)	2.0	(0-30)	SW846 8260B
sec-Butylbenzene	89	(70 - 130)			SW846 8260B
	91	(70 - 130)	2.3	(0-30)	SW846 8260B
tert-Butylbenzene	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.54	(0-30)	SW846 8260B
2-Chlorotoluene	92	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.8	(0-30)	SW846 8260B
4-Chlorotoluene	92	(70 - 130)			SW846 8260B
	96	(70 - 130)	4.5	(0-30)	SW846 8260B
Dibromomethane	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.30	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	91	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.9	(0-30)	SW846 8260B
2,2-Dichloropropane	91	(70 - 130)			SW846 8260B
	84	(70 - 130)	7.8	(0-30)	SW846 8260B
1,1-Dichloropropene	96	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.1	(0-30)	SW846 8260B
Hexachlorobutadiene	80	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.020	(0-30)	SW846 8260B
Iodomethane	115	(70 - 130)			SW846 8260B
	105	(70 - 130)	9.3	(0-30)	SW846 8260B
p-Isopropyltoluene	94	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.89	(0-30)	SW846 8260B
Naphthalene	97	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.9	(0-30)	SW846 8260B
n-Propylbenzene	95	(70 - 130)			SW846 8260B
	98	(70 - 130)	3.7	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	91	(70 - 130)			SW846 8260B
	83	(70 - 130)	8.4	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	105	(70 - 130)			SW846 8260B
	100	(70 - 130)	4.6	(0-30)	SW846 8260B
1,2,3-Trichloropropane	96	(70 - 130)			SW846 8260B
	101	(70 - 130)	5.3	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	0.77	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.0	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	104	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	91	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	94	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A0E070460 Work Order #....: L1HDX1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134106
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Chloromethane	66	(48 - 123)			SW846 8260B
	66	(48 - 123)	1.2	(0-30)	SW846 8260B
Bromomethane	97	(64 - 129)			SW846 8260B
	96	(64 - 129)	1.6	(0-30)	SW846 8260B
Vinyl chloride	76	(61 - 120)			SW846 8260B
	77	(61 - 120)	1.8	(0-30)	SW846 8260B
Chloroethane	85	(66 - 126)			SW846 8260B
	81	(66 - 126)	4.9	(0-30)	SW846 8260B
Methylene chloride	100	(78 - 118)			SW846 8260B
	100	(78 - 118)	0.080	(0-30)	SW846 8260B
Acetone	92	(22 - 200)			SW846 8260B
	95	(22 - 200)	4.1	(0-95)	SW846 8260B
Carbon disulfide	95	(73 - 139)			SW846 8260B
	95	(73 - 139)	0.31	(0-30)	SW846 8260B
1,1-Dichloroethene	106	(63 - 130)			SW846 8260B
	106	(63 - 130)	0.26	(0-20)	SW846 8260B
1,1-Dichloroethane	94	(86 - 123)			SW846 8260B
	94	(86 - 123)	0.54	(0-30)	SW846 8260B
Chloroform	90	(84 - 128)			SW846 8260B
	93	(84 - 128)	3.1	(0-30)	SW846 8260B
1,2-Dichloroethane	81	(79 - 136)			SW846 8260B
	83	(79 - 136)	2.5	(0-30)	SW846 8260B
Methyl ethyl ketone	85	(28 - 237)			SW846 8260B
	87	(28 - 237)	2.9	(0-65)	SW846 8260B
1,1,1-Trichloroethane	88	(78 - 140)			SW846 8260B
	89	(78 - 140)	1.2	(0-30)	SW846 8260B
Carbon tetrachloride	84	(75 - 149)			SW846 8260B
	84	(75 - 149)	0.98	(0-30)	SW846 8260B
Bromodichloromethane	80 a	(87 - 130)			SW846 8260B
	80 a	(87 - 130)	0.10	(0-30)	SW846 8260B
1,2-Dichloropropane	92	(82 - 115)			SW846 8260B
	90	(82 - 115)	2.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	79 a	(84 - 130)			SW846 8260B
	75 a	(84 - 130)	6.2	(0-30)	SW846 8260B
Trichloroethene	96	(75 - 122)			SW846 8260B
	97	(75 - 122)	1.3	(0-20)	SW846 8260B
Chlorodibromomethane	77 a	(81 - 138)			SW846 8260B
	77 a	(81 - 138)	0.45	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(83 - 122)			SW846 8260B
	90	(83 - 122)	0.12	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	RPD <u>LIMITS</u>	<u>METHOD</u>
Benzene	94	(80 - 116)			SW846 8260B
	95	(80 - 116)	1.6	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	73 a	(84 - 130)			SW846 8260B
	73 a	(84 - 130)	0.69	(0-30)	SW846 8260B
Bromoform	72 a	(76 - 150)			SW846 8260B
	75 a	(76 - 150)	3.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	87	(78 - 141)			SW846 8260B
	85	(78 - 141)	1.8	(0-32)	SW846 8260B
2-Hexanone	79	(35 - 200)			SW846 8260B
	80	(35 - 200)	1.2	(0-52)	SW846 8260B
Tetrachloroethene	93	(88 - 113)			SW846 8260B
	96	(88 - 113)	3.4	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	87	(85 - 118)			SW846 8260B
	82 a	(85 - 118)	5.4	(0-30)	SW846 8260B
Toluene	89	(74 - 119)			SW846 8260B
	93	(74 - 119)	4.3	(0-20)	SW846 8260B
Chlorobenzene	95	(76 - 117)			SW846 8260B
	96	(76 - 117)	0.85	(0-20)	SW846 8260B
Ethylbenzene	95	(86 - 116)			SW846 8260B
	98	(86 - 116)	2.8	(0-30)	SW846 8260B
Styrene	96	(85 - 117)			SW846 8260B
	98	(85 - 117)	2.6	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	99	(85 - 113)			SW846 8260B
	100	(85 - 113)	1.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	103	(80 - 120)			SW846 8260B
	102	(80 - 120)	0.51	(0-30)	SW846 8260B
Dichlorodifluoromethane	42 a	(70 - 130)			SW846 8260B
	43 a	(70 - 130)	0.56	(0-30)	SW846 8260B
Trichlorofluoromethane	81	(70 - 130)			SW846 8260B
	78	(70 - 130)	3.6	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	114	(70 - 130)			SW846 8260B
	114	(70 - 130)	0.35	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	100	(70 - 130)			SW846 8260B
	102	(70 - 130)	1.8	(0-30)	SW846 8260B
1,2-Dibromoethane	90	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.76	(0-30)	SW846 8260B
Isopropylbenzene	90	(70 - 130)			SW846 8260B
	97	(70 - 130)	7.8	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD

PARAMETER	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	RPD <u>LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.57	(0-30)	SW846 8260B
1,4-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.2	(0-30)	SW846 8260B
1,2-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	96	(70 - 130)	1.4	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	80	(70 - 130)			SW846 8260B
	81	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	100	(70 - 130)			SW846 8260B
	105	(70 - 130)	5.2	(0-30)	SW846 8260B
o-Xylene	97	(70 - 130)			SW846 8260B
	104	(70 - 130)	7.1	(0-30)	SW846 8260B
m-Xylene & p-Xylene	96	(70 - 130)			SW846 8260B
	98	(70 - 130)	2.6	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	87	(70 - 130)			SW846 8260B
	73	(70 - 130)	18	(0-30)	SW846 8260B
Acrolein	93	(50 - 130)			SW846 8260B
	94	(50 - 130)	0.80	(0-30)	SW846 8260B
Vinyl acetate	91	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.4	(0-30)	SW846 8260B
Acrylonitrile	97	(50 - 130)			SW846 8260B
	100	(50 - 130)	2.9	(0-30)	SW846 8260B
Bromobenzene	97	(70 - 130)			SW846 8260B
	94	(70 - 130)	3.6	(0-30)	SW846 8260B
Bromochloromethane	100	(70 - 130)			SW846 8260B
	104	(70 - 130)	3.4	(0-30)	SW846 8260B
n-Butylbenzene	83	(70 - 130)			SW846 8260B
	85	(70 - 130)	1.8	(0-30)	SW846 8260B
sec-Butylbenzene	87	(70 - 130)			SW846 8260B
	86	(70 - 130)	0.63	(0-30)	SW846 8260B
tert-Butylbenzene	86	(70 - 130)			SW846 8260B
	92	(70 - 130)	6.1	(0-30)	SW846 8260B
2-Chlorotoluene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	1.4	(0-30)	SW846 8260B
4-Chlorotoluene	94	(70 - 130)			SW846 8260B
	90	(70 - 130)	3.4	(0-30)	SW846 8260B
Dibromomethane	94	(70 - 130)			SW846 8260B
	92	(70 - 130)	2.5	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD

<u>PARAMETER</u>	PERCENT	RECOVERY	RPD		<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
1,3-Dichloropropane	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.10	(0-30)	SW846 8260B
2,2-Dichloropropane	82	(70 - 130)			SW846 8260B
	83	(70 - 130)	1.4	(0-30)	SW846 8260B
1,1-Dichloropropene	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	1.2	(0-30)	SW846 8260B
Hexachlorobutadiene	78	(70 - 130)			SW846 8260B
	79	(70 - 130)	1.3	(0-30)	SW846 8260B
Iodomethane	112	(70 - 130)			SW846 8260B
	113	(70 - 130)	1.5	(0-30)	SW846 8260B
p-Isopropyltoluene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.55	(0-30)	SW846 8260B
Naphthalene	94	(70 - 130)			SW846 8260B
	98	(70 - 130)	4.0	(0-30)	SW846 8260B
n-Propylbenzene	95	(70 - 130)			SW846 8260B
	92	(70 - 130)	3.4	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	87	(70 - 130)			SW846 8260B
	96	(70 - 130)	9.7	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	101	(70 - 130)			SW846 8260B
	106	(70 - 130)	5.6	(0-30)	SW846 8260B
1,2,3-Trichloropropane	99	(70 - 130)			SW846 8260B
	95	(70 - 130)	4.2	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	94	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.9	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.21	(0-30)	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	82	(61 - 128)
	87	(61 - 128)
Toluene-d8	94	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	99	(74 - 116)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0134166
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Chloromethane	69	(48 - 123)			SW846 8260B
	66	(48 - 123)	5.2	(0-30)	SW846 8260B
Bromomethane	98	(64 - 129)			SW846 8260B
	88	(64 - 129)	10	(0-30)	SW846 8260B
Vinyl chloride	78	(61 - 120)			SW846 8260B
	77	(61 - 120)	1.2	(0-30)	SW846 8260B
Chloroethane	81	(66 - 126)			SW846 8260B
	76	(66 - 126)	6.6	(0-30)	SW846 8260B
Methylene chloride	95	(78 - 118)			SW846 8260B
	95	(78 - 118)	0.20	(0-30)	SW846 8260B
Acetone	95	(22 - 200)			SW846 8260B
	96	(22 - 200)	1.4	(0-95)	SW846 8260B
Carbon disulfide	89	(73 - 139)			SW846 8260B
	89	(73 - 139)	0.57	(0-30)	SW846 8260B
1,1-Dichloroethene	104	(63 - 130)			SW846 8260B
	102	(63 - 130)	2.2	(0-20)	SW846 8260B
1,1-Dichloroethane	93	(86 - 123)			SW846 8260B
	92	(86 - 123)	0.79	(0-30)	SW846 8260B
Chloroform	91	(84 - 128)			SW846 8260B
	89	(84 - 128)	1.7	(0-30)	SW846 8260B
1,2-Dichloroethane	85	(79 - 136)			SW846 8260B
	87	(79 - 136)	2.2	(0-30)	SW846 8260B
Methyl ethyl ketone	91	(28 - 237)			SW846 8260B
	93	(28 - 237)	2.5	(0-65)	SW846 8260B
1,1,1-Trichloroethane	88	(78 - 140)			SW846 8260B
	86	(78 - 140)	1.9	(0-30)	SW846 8260B
Carbon tetrachloride	83	(75 - 149)			SW846 8260B
	83	(75 - 149)	0.68	(0-30)	SW846 8260B
Bromodichloromethane	81 a	(87 - 130)			SW846 8260B
	82 a	(87 - 130)	1.4	(0-30)	SW846 8260B
1,2-Dichloropropane	90	(82 - 115)			SW846 8260B
	94	(82 - 115)	4.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	80 a	(84 - 130)			SW846 8260B
	84	(84 - 130)	4.8	(0-30)	SW846 8260B
Trichloroethene	99	(75 - 122)			SW846 8260B
	100	(75 - 122)	0.34	(0-20)	SW846 8260B
Chlorodibromomethane	77 a	(81 - 138)			SW846 8260B
	78 a	(81 - 138)	0.93	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(83 - 122)			SW846 8260B
	96	(83 - 122)	3.9	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

<u>PARAMETER</u>	PERCENT	RECOVERY	RPD		<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	RPD	<u>LIMITS</u>	
Benzene	94	(80 - 116)			SW846 8260B
	94	(80 - 116)	0.26	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	76 a	(84 - 130)			SW846 8260B
	80 a	(84 - 130)	4.4	(0-30)	SW846 8260B
Bromoform	69 a	(76 - 150)			SW846 8260B
	70 a	(76 - 150)	1.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	93	(78 - 141)			SW846 8260B
	90	(78 - 141)	3.0	(0-32)	SW846 8260B
2-Hexanone	84	(35 - 200)			SW846 8260B
	82	(35 - 200)	2.7	(0-52)	SW846 8260B
Tetrachloroethene	99	(88 - 113)			SW846 8260B
	100	(88 - 113)	0.96	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	86	(85 - 118)			SW846 8260B
	85	(85 - 118)	2.2	(0-30)	SW846 8260B
Toluene	92	(74 - 119)			SW846 8260B
	94	(74 - 119)	2.2	(0-20)	SW846 8260B
Chlorobenzene	93	(76 - 117)			SW846 8260B
	95	(76 - 117)	2.5	(0-20)	SW846 8260B
Ethylbenzene	95	(86 - 116)			SW846 8260B
	97	(86 - 116)	1.7	(0-30)	SW846 8260B
Styrene	94	(85 - 117)			SW846 8260B
	96	(85 - 117)	1.8	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	97	(85 - 113)			SW846 8260B
	96	(85 - 113)	1.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	99	(80 - 120)			SW846 8260B
	99	(80 - 120)	0.18	(0-30)	SW846 8260B
Dichlorodifluoromethane	45 a	(70 - 130)			SW846 8260B
	44 a	(70 - 130)	2.4	(0-30)	SW846 8260B
Trichlorofluoromethane	81	(70 - 130)			SW846 8260B
	76	(70 - 130)	6.6	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	113	(70 - 130)			SW846 8260B
	111	(70 - 130)	1.9	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	101	(70 - 130)			SW846 8260B
	96	(70 - 130)	5.5	(0-30)	SW846 8260B
1,2-Dibromoethane	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	1.2	(0-30)	SW846 8260B
Isopropylbenzene	92	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.0	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	RPD <u>LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.4	(0-30)	SW846 8260B
1,4-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.7	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	97	(70 - 130)	1.8	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	82	(70 - 130)			SW846 8260B
	79	(70 - 130)	4.6	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	96	(70 - 130)			SW846 8260B
	103	(70 - 130)	7.4	(0-30)	SW846 8260B
o-Xylene	98	(70 - 130)			SW846 8260B
	99	(70 - 130)	1.1	(0-30)	SW846 8260B
m-Xylene & p-Xylene	95	(70 - 130)			SW846 8260B
	97	(70 - 130)	2.7	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	86	(70 - 130)			SW846 8260B
	76	(70 - 130)	12	(0-30)	SW846 8260B
Acrolein	105	(50 - 130)			SW846 8260B
	99	(50 - 130)	6.6	(0-30)	SW846 8260B
Vinyl acetate	87	(70 - 130)			SW846 8260B
	91	(70 - 130)	4.8	(0-30)	SW846 8260B
Acrylonitrile	100	(50 - 130)			SW846 8260B
	97	(50 - 130)	3.0	(0-30)	SW846 8260B
Bromobenzene	96	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.17	(0-30)	SW846 8260B
Bromochloromethane	99	(70 - 130)			SW846 8260B
	101	(70 - 130)	1.3	(0-30)	SW846 8260B
n-Butylbenzene	83	(70 - 130)			SW846 8260B
	86	(70 - 130)	3.7	(0-30)	SW846 8260B
sec-Butylbenzene	89	(70 - 130)			SW846 8260B
	91	(70 - 130)	2.3	(0-30)	SW846 8260B
tert-Butylbenzene	95	(70 - 130)			SW846 8260B
	97	(70 - 130)	2.8	(0-30)	SW846 8260B
2-Chlorotoluene	91	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.8	(0-30)	SW846 8260B
4-Chlorotoluene	92	(70 - 130)			SW846 8260B
	95	(70 - 130)	3.5	(0-30)	SW846 8260B
Dibromomethane	94	(70 - 130)			SW846 8260B
	94	(70 - 130)	0.24	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	92	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.2	(0-30)	SW846 8260B
2,2-Dichloropropane	79	(70 - 130)			SW846 8260B
	77	(70 - 130)	2.1	(0-30)	SW846 8260B
1,1-Dichloropropene	93	(70 - 130)			SW846 8260B
	90	(70 - 130)	3.5	(0-30)	SW846 8260B
Hexachlorobutadiene	73	(70 - 130)			SW846 8260B
	80	(70 - 130)	9.2	(0-30)	SW846 8260B
Iodomethane	109	(70 - 130)			SW846 8260B
	107	(70 - 130)	1.8	(0-30)	SW846 8260B
p-Isopropyltoluene	92	(70 - 130)			SW846 8260B
	95	(70 - 130)	3.0	(0-30)	SW846 8260B
Naphthalene	93	(70 - 130)			SW846 8260B
	97	(70 - 130)	4.4	(0-30)	SW846 8260B
n-Propylbenzene	94	(70 - 130)			SW846 8260B
	98	(70 - 130)	4.0	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	89	(70 - 130)			SW846 8260B
	91	(70 - 130)	1.7	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	96	(70 - 130)			SW846 8260B
	103	(70 - 130)	7.2	(0-30)	SW846 8260B
1,2,3-Trichloropropane	104	(70 - 130)			SW846 8260B
	99	(70 - 130)	4.8	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.1	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	90	(70 - 130)			SW846 8260B
	92	(70 - 130)	2.9	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
	96	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
	87	(61 - 128)
Toluene-d8	100	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	94	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: A0E070460 Work Order #....: L09D81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E100000-039
 Prep Date.....: 05/10/10 Analysis Date...: 05/17/10
 Prep Batch #....: 0130039
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	72	(54 - 110)	CFR136A 625
Acenaphthylene	75	(52 - 110)	CFR136A 625
Anthracene	73	(54 - 110)	CFR136A 625
Benzo (a) anthracene	76	(48 - 112)	CFR136A 625
Benzo (a) pyrene	65	(51 - 111)	CFR136A 625
Benzo (b) fluoranthene	76	(55 - 110)	CFR136A 625
Benzo (ghi) perylene	76	(45 - 113)	CFR136A 625
Benzo (k) fluoranthene	75	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl ether	74	(56 - 110)	CFR136A 625
Butyl benzyl phthalate	74	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy) methane	74	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	76	(63 - 115)	CFR136A 625
bis(2-Chloroisopropyl) ether	77	(55 - 120)	CFR136A 625
p-Chloro-m-cresol	78	(58 - 110)	CFR136A 625
2-Chloronaphthalene	70	(50 - 110)	CFR136A 625
2-Chlorophenol	77	(60 - 110)	CFR136A 625
4-Chlorophenyl phenyl ether	75	(57 - 110)	CFR136A 625
Chrysene	74	(53 - 118)	CFR136A 625
Dibenz (a, h) anthracene	78	(51 - 114)	CFR136A 625
Di-n-butyl phthalate	76	(49 - 110)	CFR136A 625
1,2-Dichlorobenzene	64	(38 - 110)	CFR136A 625
1,3-Dichlorobenzene	61	(33 - 110)	CFR136A 625
1,4-Dichlorobenzene	69	(35 - 110)	CFR136A 625
3,3'-Dichlorobenzidine	52	(19 - 110)	CFR136A 625
2,4-Dichlorophenol	75	(63 - 110)	CFR136A 625
Diethyl phthalate	68	(10 - 117)	CFR136A 625
2,4-Dimethylphenol	60	(10 - 115)	CFR136A 625
Dimethyl phthalate	50	(10 - 115)	CFR136A 625
4,6-Dinitro-2-methylphenol	70	(10 - 138)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L09D81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E100000-039

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,4-Dinitrophenol	57	(10 - 135)	CFR136A 625
2,4-Dinitrotoluene	82	(55 - 112)	CFR136A 625
2,6-Dinitrotoluene	84	(63 - 117)	CFR136A 625
Di-n-octyl phthalate	70	(51 - 135)	CFR136A 625
bis(2-Ethylhexyl) phthalate	75	(50 - 134)	CFR136A 625
Fluoranthene	76	(55 - 112)	CFR136A 625
Fluorene	75	(55 - 110)	CFR136A 625
Hexachlorobenzene	73	(53 - 113)	CFR136A 625
Hexachlorobutadiene	54	(31 - 110)	CFR136A 625
Hexachloroethane	57	(26 - 110)	CFR136A 625
Indeno(1,2,3-cd)pyrene	72	(43 - 118)	CFR136A 625
Isophorone	79	(58 - 110)	CFR136A 625
Naphthalene	74	(48 - 111)	CFR136A 625
Nitrobenzene	78	(64 - 110)	CFR136A 625
2-Nitrophenol	76	(50 - 118)	CFR136A 625
4-Nitrophenol	74	(10 - 132)	CFR136A 625
N-Nitrosodi-n-propyl- amine	81	(57 - 110)	CFR136A 625
Pentachlorophenol	80	(10 - 131)	CFR136A 625
Phenanthrene	72	(54 - 110)	CFR136A 625
Phenol	78	(17 - 130)	CFR136A 625
Pyrene	73	(48 - 122)	CFR136A 625
1,2,4-Trichloro- benzene	62	(42 - 112)	CFR136A 625
2,4,6-Trichloro- phenol	77	(54 - 110)	CFR136A 625

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	74	(10 - 135)
Phenol-d5	74	(10 - 132)
2,4,6-Tribromophenol	78	(10 - 142)
2-Fluorobiphenyl	67	(38 - 110)
Terphenyl-d14	79	(24 - 135)
Nitrobenzene-d5	75	(44 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L09D81AC Matrix.....: WATER
LCS Lot-Sample#: A0E100000-039

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L1ANJ1AC Matrix.....: WATER
 LCS Lot-Sample#: A0E110000-044
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0131044
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aldrin	88	(42 - 122)	CFR136A 608
alpha-BHC	94	(37 - 134)	CFR136A 608
beta-BHC	97	(17 - 147)	CFR136A 608
delta-BHC	85	(19 - 140)	CFR136A 608
gamma-BHC (Lindane)	93	(32 - 127)	CFR136A 608
4,4'-DDD	93	(31 - 141)	CFR136A 608
4,4'-DDE	87	(30 - 145)	CFR136A 608
4,4'-DDT	82	(25 - 160)	CFR136A 608
Dieldrin	91	(36 - 146)	CFR136A 608
Endosulfan I	57	(45 - 153)	CFR136A 608
Endosulfan II	65	(10 - 202)	CFR136A 608
Endosulfan sulfate	90	(26 - 144)	CFR136A 608
Endrin	68	(30 - 147)	CFR136A 608
Heptachlor	89	(34 - 111)	CFR136A 608
Heptachlor epoxide	89	(37 - 142)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	94	(10 - 151)
Decachlorobiphenyl	51	(10 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L1ANK1AC Matrix.....: WATER
 LCS Lot-Sample#: A0E110000-045
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0131045
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	98	(50 - 114)	CFR136A 608
Aroclor 1260	97	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	85	(15 - 131)
Decachlorobiphenyl	56	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A0E100000-013 Prep Batch #...: 0130013					
Silver	97	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AQ
Arsenic	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AR
Cadmium	94	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AT
Chromium	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AU
Copper	99	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AV
Nickel	98	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AW
Lead	87	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AX
Zinc	104	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A0
Beryllium	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A1
Antimony	91	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A2
Selenium	93	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A3
Thallium	88	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/12/10	L09C81A4
Mercury	89	(85 - 115)	MCAWW 245.1 Dilution Factor: 1	05/10-05/11/10	L09C81A5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A0E100000-012 Prep Batch #...: 0130012					
Chromium	103	(80 - 120)	SW846 6010B	05/10-05/11/10	L09C61AF
		Dilution Factor: 1			
Lead	108	(80 - 120)	SW846 6010B	05/10-05/11/10	L09C61AG
		Dilution Factor: 1			
Arsenic	103	(80 - 120)	SW846 6010B	05/10-05/11/10	L09C61AH
		Dilution Factor: 1			
Nickel	108	(80 - 120)	SW846 6010B	05/10-05/11/10	L09C61AJ
		Dilution Factor: 1			
LCS Lot-Sample#: A0E100000-014 Prep Batch #...: 0130014					
Arsenic	104	(80 - 120)	SW846 6010B	05/10-05/11/10	L09DA1DU
		Dilution Factor: 1			
Lead	105	(80 - 120)	SW846 6010B	05/10-05/11/10	L09DA1DV
		Dilution Factor: 1			
Chromium	103	(80 - 120)	SW846 6010B	05/10-05/11/10	L09DA1DX
		Dilution Factor: 1			
Nickel	106	(80 - 120)	SW846 6010B	05/10-05/11/10	L09DA1D0
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material		WO#:L1G7X1AC-LCS/L1G7X1AD-LCSD		LCS Lot-Sample#: A0E140000-056			
	96	(78 - 114)			CFR136A 1664A HEM	05/14/10	0134056
	92	(78 - 114)	4.5	(0-11)	CFR136A 1664A HEM	05/14/10	0134056
		Dilution Factor: 1					
n-Hexane Extractable Material, SGT		WO#:L1G711AC-LCS/L1G711AD-LCSD		LCS Lot-Sample#: A0E140000-058			
	96	(64 - 132)			CFR136A 1664A SGT	05/14/10	0134058
	92	(64 - 132)	4.5	(0-28)	CFR136A 1664A SGT	05/14/10	0134058
		Dilution Factor: 1					
Biochemical Oxygen Demand (BOD)		WO#:L07T61AC-LCS/L07T61AD-LCSD		LCS Lot-Sample#: A0E070000-405			
	115	(85 - 115)			SM18 5210 B	05/07-05/12/10	0127405
	115	(85 - 115)	0.65	(0-20)	SM18 5210 B	05/07-05/12/10	0127405
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E070460

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	95	Work Order #: L1L3W1AC (69 - 118)	LCS Lot-Sample#: A0E170000-360 SW846 9012A	05/17/10	0137360
		Dilution Factor: 1			
Cyanide, Total	96	Work Order #: L1MDT1AC (69 - 118)	LCS Lot-Sample#: A0E170000-418 SW846 9012A	05/17/10	0137418
		Dilution Factor: 1			
Cyanide, Total	76	Work Order #: L1MFT1AC (69 - 118)	LCS Lot-Sample#: A0E170000-439 SW846 9012A	05/17/10	0137439
		Dilution Factor: 1			
Nitrogen, as Ammonia	100	Work Order #: L1NN41AC (85 - 114)	LCS Lot-Sample#: A0E180000-248 SM18 4500NH3-F	05/18/10	0138248
		Dilution Factor: 1			
Total phosphorus	96	Work Order #: L1J031AC (53 - 134)	LCS Lot-Sample#: A0E140000-419 SM18 4500-P E	05/14/10	0134419
		Dilution Factor: 1			
Total Cyanide	92	Work Order #: L1H241AC (69 - 118)	LCS Lot-Sample#: A0E140000-251 SM18 4500-CN E	05/14/10	0134251
		Dilution Factor: 1			
Total Phenols	103	Work Order #: L1K3J1AC (54 - 137)	LCS Lot-Sample#: A0E150000-099 MCAWW 420.1	05/15/10	0135099
		Dilution Factor: 1			
Total Phenols	90	Work Order #: L1LLG1AC (54 - 137)	LCS Lot-Sample#: A0E170000-201 MCAWW 420.1	05/17/10	0137201
		Dilution Factor: 1			
Total Suspended Solids	99	Work Order #: L1DEP1AC (73 - 113)	LCS Lot-Sample#: A0E120000-096 SM18 2540 D	05/12/10	0132096
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08TH1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080474-001 L08TH1AD-MSD
 Date Sampled...: 05/07/10 10:45 Date Received...: 05/08/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
trans-1,2-Dichloroethene	101	(85 - 116)	2.7	(0-30)	CFR136A 624
	103	(85 - 116)			CFR136A 624
Benzene	99	(90 - 114)	5.9	(0-30)	CFR136A 624
	105	(90 - 114)			CFR136A 624
Bromoform	72	(40 - 141)	15	(0-30)	CFR136A 624
	84	(40 - 141)			CFR136A 624
Bromomethane	70	(42 - 160)	8.8	(0-30)	CFR136A 624
	77	(42 - 160)			CFR136A 624
Carbon tetrachloride	101	(61 - 129)	7.0	(0-30)	CFR136A 624
	108	(61 - 129)			CFR136A 624
Chlorobenzene	92	(90 - 113)	7.6	(0-30)	CFR136A 624
	99	(90 - 113)			CFR136A 624
Chlorodibromomethane	72	(65 - 123)	15	(0-30)	CFR136A 624
	83	(65 - 123)			CFR136A 624
Chloroethane	74	(56 - 133)	4.2	(0-30)	CFR136A 624
	77	(56 - 133)			CFR136A 624
Chloroform	101	(90 - 118)	9.1	(0-30)	CFR136A 624
	111	(90 - 118)			CFR136A 624
Chloromethane	77	(37 - 127)	0.43	(0-30)	CFR136A 624
	77	(37 - 127)			CFR136A 624
Dichlorobromomethane	94	(78 - 123)	12	(0-30)	CFR136A 624
	106	(78 - 123)			CFR136A 624
1,1-Dichloroethane	102	(90 - 114)	5.9	(0-30)	CFR136A 624
	108	(90 - 114)			CFR136A 624
1,2-Dichloroethane	96	(90 - 123)	4.8	(0-30)	CFR136A 624
	101	(90 - 123)			CFR136A 624
1,1-Dichloroethene	103	(83 - 129)	0.70	(0-30)	CFR136A 624
	102	(83 - 129)			CFR136A 624
1,2-Dichloropropane	96	(87 - 119)	4.8	(0-30)	CFR136A 624
	101	(87 - 119)			CFR136A 624
cis-1,3-Dichloropropene	73 a	(77 - 115)	16	(0-30)	CFR136A 624
	85	(77 - 115)			CFR136A 624
trans-1,3-Dichloropropene	65 a	(71 - 114)	10	(0-30)	CFR136A 624
	72	(71 - 114)			CFR136A 624
Ethylbenzene	88	(88 - 111)	10	(0-30)	CFR136A 624
	97	(88 - 111)			CFR136A 624
Methylene chloride	78	(78 - 131)	5.7	(0-30)	CFR136A 624
	83	(78 - 131)			CFR136A 624
1,1,2,2-Tetrachloroethane	96	(77 - 133)	3.7	(0-30)	CFR136A 624
	92	(77 - 133)			CFR136A 624

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08TH1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080474-001 L08TH1AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Tetrachloroethene	108	(81 - 112)			CFR136A 624
	115 a	(81 - 112)	6.3	(0-30)	CFR136A 624
Toluene	96	(87 - 112)			CFR136A 624
	101	(87 - 112)	5.2	(0-30)	CFR136A 624
1,1,1-Trichloroethane	96	(82 - 119)			CFR136A 624
	106	(82 - 119)	10	(0-30)	CFR136A 624
1,1,2-Trichloroethane	94	(89 - 123)			CFR136A 624
	101	(89 - 123)	7.3	(0-30)	CFR136A 624
Trichloroethene	105	(85 - 114)			CFR136A 624
	112	(85 - 114)	4.2	(0-30)	CFR136A 624
Vinyl chloride	81	(50 - 119)			CFR136A 624
	82	(50 - 119)	1.2	(0-30)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	117	(80 - 125)
	102	(80 - 125)
Toluene-d8	105	(84 - 110)
	105	(84 - 110)
Bromofluorobenzene	94	(81 - 112)
	93	(81 - 112)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters
 a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: AOE070460 Work Order #...: L06Q51AX-MS Matrix.....: WG
 MS Lot-Sample #: AOE070460-010 L06Q51A0-MSD
 Date Sampled...: 05/05/10 11:45 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 5.71

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
1,1-Dichloroethene	107	(62 - 130)			SW846 8260B
	101	(62 - 130)	6.2	(0-20)	SW846 8260B
Chloromethane	72	(40 - 137)			SW846 8260B
	66	(40 - 137)	8.9	(0-39)	SW846 8260B
Bromomethane	109	(55 - 145)			SW846 8260B
	89	(55 - 145)	20	(0-30)	SW846 8260B
Vinyl chloride	82 a	(88 - 126)			SW846 8260B
	77 a	(88 - 126)	6.2	(0-30)	SW846 8260B
Chloroethane	94	(59 - 142)			SW846 8260B
	76	(59 - 142)	20	(0-30)	SW846 8260B
Methylene chloride	103	(82 - 115)			SW846 8260B
	95	(82 - 115)	8.0	(0-30)	SW846 8260B
Acetone	98	(45 - 128)			SW846 8260B
	99	(45 - 128)	1.4	(0-30)	SW846 8260B
Carbon disulfide	93	(69 - 138)			SW846 8260B
	87	(69 - 138)	6.8	(0-41)	SW846 8260B
1,1-Dichloroethane	97	(88 - 127)			SW846 8260B
	93	(88 - 127)	4.2	(0-30)	SW846 8260B
Chloroform	92	(83 - 141)			SW846 8260B
	89	(83 - 141)	3.5	(0-30)	SW846 8260B
1,2-Dichloroethane	87	(71 - 160)			SW846 8260B
	86	(71 - 160)	1.5	(0-30)	SW846 8260B
Methyl ethyl ketone	94	(71 - 123)			SW846 8260B
	93	(71 - 123)	0.77	(0-30)	SW846 8260B
1,1,1-Trichloroethane	92	(71 - 162)			SW846 8260B
	87	(71 - 162)	4.7	(0-30)	SW846 8260B
Carbon tetrachloride	82	(63 - 176)			SW846 8260B
	80	(63 - 176)	2.5	(0-30)	SW846 8260B
Bromodichloromethane	83	(80 - 146)			SW846 8260B
	82	(80 - 146)	1.2	(0-30)	SW846 8260B
1,2-Dichloropropane	93	(87 - 114)			SW846 8260B
	94	(87 - 114)	0.78	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	79 a	(82 - 130)			SW846 8260B
	83	(82 - 130)	4.2	(0-30)	SW846 8260B
Trichloroethene	75	(62 - 130)			SW846 8260B
	82	(62 - 130)	2.0	(0-20)	SW846 8260B
Chlorodibromomethane	76	(71 - 158)			SW846 8260B
	75	(71 - 158)	0.94	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(86 - 129)			SW846 8260B
	93	(86 - 129)	0.21	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix.....: WG
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	94	(78 - 118)			SW846 8260B
	93	(78 - 118)	1.5	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	74	(73 - 147)			SW846 8260B
	76	(73 - 147)	2.2	(0-30)	SW846 8260B
Bromoform	70	(58 - 176)			SW846 8260B
	71	(58 - 176)	2.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	95	(82 - 135)			SW846 8260B
	95	(82 - 135)	0.95	(0-30)	SW846 8260B
2-Hexanone	81	(81 - 128)			SW846 8260B
	85	(81 - 128)	3.8	(0-30)	SW846 8260B
Tetrachloroethene	92	(85 - 121)			SW846 8260B
	93	(85 - 121)	0.99	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	87 a	(88 - 116)			SW846 8260B
	88	(88 - 116)	1.4	(0-30)	SW846 8260B
Toluene	91	(70 - 119)			SW846 8260B
	91	(70 - 119)	0.0	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 117)			SW846 8260B
	94	(76 - 117)	0.14	(0-20)	SW846 8260B
Ethylbenzene	92	(86 - 132)			SW846 8260B
	93	(86 - 132)	0.92	(0-30)	SW846 8260B
Styrene	92	(83 - 120)			SW846 8260B
	93	(83 - 120)	0.49	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(87 - 114)			SW846 8260B
	95	(87 - 114)	4.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	100	(85 - 116)			SW846 8260B
	93	(85 - 116)	4.4	(0-30)	SW846 8260B
Dichlorodifluoromethane	45 a	(70 - 130)			SW846 8260B
	42 a	(70 - 130)	7.1	(0-30)	SW846 8260B
Trichlorofluoromethane	86	(70 - 130)			SW846 8260B
	71	(70 - 130)	19	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	110	(70 - 130)			SW846 8260B
	104	(70 - 130)	5.5	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	103	(70 - 130)			SW846 8260B
	96	(70 - 130)	6.9	(0-30)	SW846 8260B
1,2-Dibromoethane	92	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.35	(0-30)	SW846 8260B
Isopropylbenzene	89	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.9	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix.....: WG
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	91	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.71	(0-30)	SW846 8260B
1,4-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.93	(0-30)	SW846 8260B
1,2-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	78	(70 - 130)			SW846 8260B
	78	(70 - 130)	0.61	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	100	(70 - 130)			SW846 8260B
	99	(70 - 130)	0.96	(0-30)	SW846 8260B
o-Xylene	95	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.6	(0-30)	SW846 8260B
m-Xylene & p-Xylene	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.0	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acrolein	109	(50 - 130)			SW846 8260B
	103	(50 - 130)	5.2	(0-30)	SW846 8260B
Acrylonitrile	100	(50 - 130)			SW846 8260B
	99	(50 - 130)	1.3	(0-30)	SW846 8260B
Vinyl acetate	99	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.99	(0-30)	SW846 8260B
Bromobenzene	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.85	(0-30)	SW846 8260B
Bromochloromethane	103	(70 - 130)			SW846 8260B
	98	(70 - 130)	5.0	(0-30)	SW846 8260B
n-Butylbenzene	80	(70 - 130)			SW846 8260B
	81	(70 - 130)	0.40	(0-30)	SW846 8260B
sec-Butylbenzene	85	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.0	(0-30)	SW846 8260B
tert-Butylbenzene	90	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.2	(0-30)	SW846 8260B
2-Chlorotoluene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.84	(0-30)	SW846 8260B
4-Chlorotoluene	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.1	(0-30)	SW846 8260B
Dibromomethane	94	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.85	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix.....: WG
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.1	(0-30)	SW846 8260B
2,2-Dichloropropane	77	(70 - 130)			SW846 8260B
	73	(70 - 130)	5.6	(0-30)	SW846 8260B
1,1-Dichloropropene	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.23	(0-30)	SW846 8260B
Hexachlorobutadiene	76	(70 - 130)			SW846 8260B
	76	(70 - 130)	0.38	(0-30)	SW846 8260B
Iodomethane	116	(70 - 130)			SW846 8260B
	104	(70 - 130)	11	(0-30)	SW846 8260B
p-Isopropyltoluene	91	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.38	(0-30)	SW846 8260B
Naphthalene	97	(70 - 130)			SW846 8260B
	96	(70 - 130)	1.0	(0-30)	SW846 8260B
n-Propylbenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.5	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	87	(70 - 130)			SW846 8260B
	83	(70 - 130)	4.3	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	103	(70 - 130)			SW846 8260B
	100	(70 - 130)	2.1	(0-30)	SW846 8260B
1,2,3-Trichloropropane	100	(70 - 130)			SW846 8260B
	103	(70 - 130)	2.8	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	92	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.06	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.22	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	85	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)
	97	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD
 Date Sampled...: 05/04/10 09:15 Date Received...: 05/08/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134106
 Dilution Factor: 8

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,1-Dichloroethene	113	(62 - 130)	1.1	(0-20)	SW846 8260B
	114	(62 - 130)			SW846 8260B
Chloromethane	65	(40 - 137)	5.2	(0-39)	SW846 8260B
	61	(40 - 137)			SW846 8260B
Bromomethane	93	(55 - 145)	0.10	(0-30)	SW846 8260B
	93	(55 - 145)			SW846 8260B
Vinyl chloride	74 a	(88 - 126)	5.9	(0-30)	SW846 8260B
	81 a	(88 - 126)			SW846 8260B
Chloroethane	90	(59 - 142)	2.9	(0-30)	SW846 8260B
	88	(59 - 142)			SW846 8260B
Methylene chloride	104	(82 - 115)	1.4	(0-30)	SW846 8260B
	105	(82 - 115)			SW846 8260B
Acetone	93	(45 - 128)	2.3	(0-30)	SW846 8260B
	91	(45 - 128)			SW846 8260B
Carbon disulfide	99	(69 - 138)	0.57	(0-41)	SW846 8260B
	98	(69 - 138)			SW846 8260B
1,1-Dichloroethane	99	(88 - 127)	1.6	(0-30)	SW846 8260B
	100	(88 - 127)			SW846 8260B
Chloroform	94	(83 - 141)	1.1	(0-30)	SW846 8260B
	95	(83 - 141)			SW846 8260B
1,2-Dichloroethane	83	(71 - 160)	0.52	(0-30)	SW846 8260B
	82	(71 - 160)			SW846 8260B
Methyl ethyl ketone	76	(71 - 123)	0.96	(0-30)	SW846 8260B
	77	(71 - 123)			SW846 8260B
1,1,1-Trichloroethane	90	(71 - 162)	1.6	(0-30)	SW846 8260B
	91	(71 - 162)			SW846 8260B
Carbon tetrachloride	85	(63 - 176)	1.1	(0-30)	SW846 8260B
	86	(63 - 176)			SW846 8260B
Bromodichloromethane	82	(80 - 146)	5.3	(0-30)	SW846 8260B
	78 a	(80 - 146)			SW846 8260B
1,2-Dichloropropane	91	(87 - 114)	2.9	(0-30)	SW846 8260B
	89	(87 - 114)			SW846 8260B
cis-1,3-Dichloropropene	73 a	(82 - 130)	8.9	(0-30)	SW846 8260B
	67 a	(82 - 130)			SW846 8260B
Trichloroethene	98	(62 - 130)	1.8	(0-20)	SW846 8260B
	96	(62 - 130)			SW846 8260B
Chlorodibromomethane	76	(71 - 158)	0.68	(0-30)	SW846 8260B
	76	(71 - 158)			SW846 8260B
1,1,2-Trichloroethane	90	(86 - 129)	2.7	(0-30)	SW846 8260B
	92	(86 - 129)			SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	96	(78 - 118)			SW846 8260B
	96	(78 - 118)	0.08	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	66 a	(73 - 147)			SW846 8260B
	67 a	(73 - 147)	1.5	(0-30)	SW846 8260B
Bromoform	68	(58 - 176)			SW846 8260B
	72	(58 - 176)	5.8	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	81 a	(82 - 135)			SW846 8260B
	78 a	(82 - 135)	3.7	(0-30)	SW846 8260B
2-Hexanone	71 a	(81 - 128)			SW846 8260B
	75 a	(81 - 128)	5.4	(0-30)	SW846 8260B
Tetrachloroethene	97	(85 - 121)			SW846 8260B
	97	(85 - 121)	0.49	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	86 a	(88 - 116)			SW846 8260B
	84 a	(88 - 116)	1.7	(0-30)	SW846 8260B
Toluene	91	(70 - 119)			SW846 8260B
	92	(70 - 119)	0.28	(0-20)	SW846 8260B
Chlorobenzene	95	(76 - 117)			SW846 8260B
	95	(76 - 117)	0.20	(0-20)	SW846 8260B
Ethylbenzene	95	(86 - 132)			SW846 8260B
	95	(86 - 132)	0.54	(0-30)	SW846 8260B
Styrene	93	(83 - 120)			SW846 8260B
	97	(83 - 120)	4.5	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	106	(87 - 114)			SW846 8260B
	116 a	(87 - 114)	2.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	108	(85 - 116)			SW846 8260B
	108	(85 - 116)	0.03	(0-30)	SW846 8260B
Dichlorodifluoromethane	43 a	(70 - 130)			SW846 8260B
	43 a	(70 - 130)	0.49	(0-30)	SW846 8260B
Trichlorofluoromethane	78	(70 - 130)			SW846 8260B
	76	(70 - 130)	2.7	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	119	(70 - 130)			SW846 8260B
	120	(70 - 130)	0.52	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	103	(70 - 130)			SW846 8260B
	104	(70 - 130)	0.60	(0-30)	SW846 8260B
1,2-Dibromoethane	90	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.73	(0-30)	SW846 8260B
Isopropylbenzene	91	(70 - 130)			SW846 8260B
	96	(70 - 130)	5.7	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.43	(0-30)	SW846 8260B
1,4-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.2	(0-30)	SW846 8260B
1,2-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	98	(70 - 130)	1.8	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	83	(70 - 130)			SW846 8260B
	81	(70 - 130)	3.1	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	106	(70 - 130)			SW846 8260B
	109	(70 - 130)	2.1	(0-30)	SW846 8260B
o-Xylene	98	(70 - 130)			SW846 8260B
	102	(70 - 130)	3.6	(0-30)	SW846 8260B
m-Xylene & p-Xylene	94	(70 - 130)			SW846 8260B
	97	(70 - 130)	3.2	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acrolein	98	(50 - 130)			SW846 8260B
	94	(50 - 130)	3.3	(0-30)	SW846 8260B
Acrylonitrile	99	(50 - 130)			SW846 8260B
	99	(50 - 130)	0.22	(0-30)	SW846 8260B
Vinyl acetate	88	(70 - 130)			SW846 8260B
	91	(70 - 130)	3.2	(0-30)	SW846 8260B
Bromobenzene	96	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.2	(0-30)	SW846 8260B
Bromochloromethane	106	(70 - 130)			SW846 8260B
	107	(70 - 130)	0.91	(0-30)	SW846 8260B
n-Butylbenzene	85	(70 - 130)			SW846 8260B
	86	(70 - 130)	1.0	(0-30)	SW846 8260B
sec-Butylbenzene	89	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.8	(0-30)	SW846 8260B
tert-Butylbenzene	90	(70 - 130)			SW846 8260B
	83	(70 - 130)	7.5	(0-30)	SW846 8260B
2-Chlorotoluene	94	(70 - 130)			SW846 8260B
	90	(70 - 130)	5.0	(0-30)	SW846 8260B
4-Chlorotoluene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	1.1	(0-30)	SW846 8260B
Dibromomethane	92	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.62	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	89	(70 - 130)			SW846 8260B
	88	(70 - 130)	0.79	(0-30)	SW846 8260B
2,2-Dichloropropane	83	(70 - 130)			SW846 8260B
	83	(70 - 130)	0.11	(0-30)	SW846 8260B
1,1-Dichloropropene	92	(70 - 130)			SW846 8260B
	93	(70 - 130)	1.6	(0-30)	SW846 8260B
Hexachlorobutadiene	79	(70 - 130)			SW846 8260B
	83	(70 - 130)	4.9	(0-30)	SW846 8260B
Iodomethane	117	(70 - 130)			SW846 8260B
	117	(70 - 130)	0.39	(0-30)	SW846 8260B
p-Isopropyltoluene	94	(70 - 130)			SW846 8260B
	92	(70 - 130)	2.6	(0-30)	SW846 8260B
Naphthalene	101	(70 - 130)			SW846 8260B
	106	(70 - 130)	4.7	(0-30)	SW846 8260B
n-Propylbenzene	96	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.4	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	90	(70 - 130)			SW846 8260B
	97	(70 - 130)	7.2	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	110	(70 - 130)			SW846 8260B
	114	(70 - 130)	3.4	(0-30)	SW846 8260B
1,2,3-Trichloropropane	98	(70 - 130)			SW846 8260B
	95	(70 - 130)	2.9	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	94	(70 - 130)			SW846 8260B
	92	(70 - 130)	2.4	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	91	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.1	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	103	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	80	(61 - 128)
	82	(61 - 128)
Toluene-d8	98	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)
	99	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L019G1AQ-MS Matrix.....: WATER
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD
 Date Sampled...: 05/04/10 15:01 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,1-Dichloroethene	99	(62 - 130)			SW846 8260B
	105	(62 - 130)	5.4	(0-20)	SW846 8260B
Chloromethane	54	(40 - 137)			SW846 8260B
	57	(40 - 137)	6.7	(0-39)	SW846 8260B
Bromomethane	85	(55 - 145)			SW846 8260B
	99	(55 - 145)	15	(0-30)	SW846 8260B
Vinyl chloride	70 a	(88 - 126)			SW846 8260B
	76 a	(88 - 126)	7.4	(0-30)	SW846 8260B
Chloroethane	91	(59 - 142)			SW846 8260B
	96	(59 - 142)	5.7	(0-30)	SW846 8260B
Methylene chloride	93	(82 - 115)			SW846 8260B
	96	(82 - 115)	3.6	(0-30)	SW846 8260B
Acetone	87	(45 - 128)			SW846 8260B
	75	(45 - 128)	16	(0-30)	SW846 8260B
Carbon disulfide	104	(69 - 138)			SW846 8260B
	106	(69 - 138)	1.9	(0-41)	SW846 8260B
1,1-Dichloroethane	93	(88 - 127)			SW846 8260B
	96	(88 - 127)	3.6	(0-30)	SW846 8260B
Chloroform	90	(83 - 141)			SW846 8260B
	93	(83 - 141)	3.2	(0-30)	SW846 8260B
1,2-Dichloroethane	80	(71 - 160)			SW846 8260B
	83	(71 - 160)	2.7	(0-30)	SW846 8260B
Methyl ethyl ketone	86	(71 - 123)			SW846 8260B
	69 a	(71 - 123)	22	(0-30)	SW846 8260B
1,1,1-Trichloroethane	83	(71 - 162)			SW846 8260B
	88	(71 - 162)	5.5	(0-30)	SW846 8260B
Carbon tetrachloride	75	(63 - 176)			SW846 8260B
	80	(63 - 176)	6.2	(0-30)	SW846 8260B
Bromodichloromethane	80	(80 - 146)			SW846 8260B
	82	(80 - 146)	2.5	(0-30)	SW846 8260B
1,2-Dichloropropane	88	(87 - 114)			SW846 8260B
	90	(87 - 114)	1.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	62 a	(82 - 130)			SW846 8260B
	55 a	(82 - 130)	12	(0-30)	SW846 8260B
Trichloroethene	92	(62 - 130)			SW846 8260B
	95	(62 - 130)	2.6	(0-20)	SW846 8260B
Chlorodibromomethane	75	(71 - 158)			SW846 8260B
	77	(71 - 158)	2.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(86 - 129)			SW846 8260B
	90	(86 - 129)	0.35	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L019G1AQ-MS Matrix.....: WATER
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	91	(78 - 118)			SW846 8260B
	94	(78 - 118)	2.7	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	54 a	(73 - 147)			SW846 8260B
	47 a	(73 - 147)	14	(0-30)	SW846 8260B
Bromoform	68	(58 - 176)			SW846 8260B
	63	(58 - 176)	6.8	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	89	(82 - 135)			SW846 8260B
	77 a	(82 - 135)	15	(0-30)	SW846 8260B
2-Hexanone	83	(81 - 128)			SW846 8260B
	72 a	(81 - 128)	14	(0-30)	SW846 8260B
Tetrachloroethene	85	(85 - 121)			SW846 8260B
	90	(85 - 121)	5.8	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	83 a	(88 - 116)			SW846 8260B
	86 a	(88 - 116)	3.4	(0-30)	SW846 8260B
Toluene	84	(70 - 119)			SW846 8260B
	89	(70 - 119)	5.2	(0-20)	SW846 8260B
Chlorobenzene	90	(76 - 117)			SW846 8260B
	90	(76 - 117)	0.33	(0-20)	SW846 8260B
Ethylbenzene	86	(86 - 132)			SW846 8260B
	89	(86 - 132)	3.8	(0-30)	SW846 8260B
Styrene	85	(83 - 120)			SW846 8260B
	82 a	(83 - 120)	3.6	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	97	(87 - 114)			SW846 8260B
	100	(87 - 114)	3.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	97	(85 - 116)			SW846 8260B
	102	(85 - 116)	4.6	(0-30)	SW846 8260B
Dichlorodifluoromethane	41 a	(70 - 130)			SW846 8260B
	43 a	(70 - 130)	2.9	(0-30)	SW846 8260B
Trichlorofluoromethane	62 a	(70 - 130)			SW846 8260B
	76	(70 - 130)	19	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	101	(70 - 130)			SW846 8260B
	103	(70 - 130)	2.6	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	99	(70 - 130)			SW846 8260B
	101	(70 - 130)	2.0	(0-30)	SW846 8260B
1,2-Dibromoethane	90	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.3	(0-30)	SW846 8260B
Isopropylbenzene	80	(70 - 130)			SW846 8260B
	82	(70 - 130)	3.5	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L019G1AQ-MS Matrix.....: WATER
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	85	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.9	(0-30)	SW846 8260B
1,4-Dichlorobenzene	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.0	(0-30)	SW846 8260B
1,2-Dichlorobenzene	88	(70 - 130)			SW846 8260B
	90	(70 - 130)	2.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	80	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.12	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	90	(70 - 130)			SW846 8260B
	90	(70 - 130)	0.27	(0-30)	SW846 8260B
o-Xylene	88	(70 - 130)			SW846 8260B
	92	(70 - 130)	3.7	(0-30)	SW846 8260B
m-Xylene & p-Xylene	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.1	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acrolein	94	(50 - 130)			SW846 8260B
	82	(50 - 130)	13	(0-30)	SW846 8260B
Acrylonitrile	96	(50 - 130)			SW846 8260B
	92	(50 - 130)	4.6	(0-30)	SW846 8260B
Vinyl acetate	79	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.16	(0-30)	SW846 8260B
Bromobenzene	91	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.88	(0-30)	SW846 8260B
Bromochloromethane	100	(70 - 130)			SW846 8260B
	104	(70 - 130)	4.1	(0-30)	SW846 8260B
n-Butylbenzene	71	(70 - 130)			SW846 8260B
	71	(70 - 130)	0.32	(0-30)	SW846 8260B
sec-Butylbenzene	74	(70 - 130)			SW846 8260B
	76	(70 - 130)	2.6	(0-30)	SW846 8260B
tert-Butylbenzene	77	(70 - 130)			SW846 8260B
	81	(70 - 130)	4.3	(0-30)	SW846 8260B
2-Chlorotoluene	83	(70 - 130)			SW846 8260B
	89	(70 - 130)	6.2	(0-30)	SW846 8260B
4-Chlorotoluene	85	(70 - 130)			SW846 8260B
	86	(70 - 130)	0.95	(0-30)	SW846 8260B
Dibromomethane	93	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.5	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L019G1AQ-MS Matrix.....: WATER
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	89	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.2	(0-30)	SW846 8260B
2,2-Dichloropropane	71	(70 - 130)			SW846 8260B
	74	(70 - 130)	4.2	(0-30)	SW846 8260B
1,1-Dichloropropene	85	(70 - 130)			SW846 8260B
	90	(70 - 130)	5.5	(0-30)	SW846 8260B
Hexachlorobutadiene	66 a	(70 - 130)			SW846 8260B
	61 a	(70 - 130)	8.0	(0-30)	SW846 8260B
Iodomethane	103	(70 - 130)			SW846 8260B
	108	(70 - 130)	4.7	(0-30)	SW846 8260B
p-Isopropyltoluene	79	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.85	(0-30)	SW846 8260B
Naphthalene	91	(70 - 130)			SW846 8260B
	89	(70 - 130)	2.0	(0-30)	SW846 8260B
n-Propylbenzene	82	(70 - 130)			SW846 8260B
	86	(70 - 130)	4.8	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	82	(70 - 130)			SW846 8260B
	88	(70 - 130)	7.1	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	92	(70 - 130)			SW846 8260B
	88	(70 - 130)	4.4	(0-30)	SW846 8260B
1,2,3-Trichloropropane	97	(70 - 130)			SW846 8260B
	98	(70 - 130)	0.48	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	83	(70 - 130)			SW846 8260B
	86	(70 - 130)	3.8	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	78	(70 - 130)			SW846 8260B
	82	(70 - 130)	4.1	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	102	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
	84	(61 - 128)
Toluene-d8	96	(76 - 110)
	98	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	92	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Lot-Sample #...: A0E070460 Work Order #...: L08RP1AJ Matrix.....: WATER
 MS Lot-Sample #: A0E080468-002
 Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0131045
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	91	(50 - 114)	CFR136A 608
Aroclor 1260	87	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	88	(15 - 131)
Decachlorobiphenyl	44	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E070460

Matrix.....: WATER

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: A0E080468-004 Prep Batch #...: 0130013							
Antimony	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CG
	97	(70 - 130)	0.35	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CH
			Dilution Factor: 1				
Arsenic	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1AX
	98	(70 - 130)	0.0	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A0
			Dilution Factor: 1				
Beryllium	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CE
	96	(70 - 130)	1.4	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CF
			Dilution Factor: 1				
Cadmium	97	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A1
	97	(70 - 130)	0.58	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A2
			Dilution Factor: 1				
Chromium	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A3
	97	(70 - 130)	0.92	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A4
			Dilution Factor: 1				
Copper	97	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A5
	97	(70 - 130)	0.08	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A6
			Dilution Factor: 1				
Lead	95	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A9
	95	(70 - 130)	0.26	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CA
			Dilution Factor: 1				
Mercury	95	(69 - 134)			MCAWW 245.1	05/10-05/11/10	L08RT1CN
	93	(69 - 134)	2.3	(0-20)	MCAWW 245.1	05/10-05/11/10	L08RT1CP
			Dilution Factor: 1				
Nickel	99	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A7
	100	(70 - 130)	0.69	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A8
			Dilution Factor: 1				
Selenium	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CJ
	97	(70 - 130)	0.61	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CK
			Dilution Factor: 1				

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E070460

Matrix.....: WATER

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1AV
	98	(70 - 130)	0.34	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1AW
		Dilution Factor: 1					
Thallium	94	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CL
	95	(70 - 130)	0.83	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CM
		Dilution Factor: 1					
Zinc	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CC
	97	(70 - 130)	0.76	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CD
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0E070460

Matrix.....: WG

Date Sampled...: 05/05/10 11:45 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: A0E070460-010 Prep Batch #...: 0130012							
Arsenic	107	(75 - 125)			SW846 6010B	05/10-05/11/10	L06Q51AJ
	107	(75 - 125)	0.34	(0-20)	SW846 6010B	05/10-05/11/10	L06Q51AK
			Dilution Factor: 1				
Chromium	104	(75 - 125)			SW846 6010B	05/10-05/11/10	L06Q51AC
	103	(75 - 125)	0.33	(0-20)	SW846 6010B	05/10-05/11/10	L06Q51AD
			Dilution Factor: 1				
Lead	106	(75 - 125)			SW846 6010B	05/10-05/11/10	L06Q51AF
	107	(75 - 125)	0.12	(0-20)	SW846 6010B	05/10-05/11/10	L06Q51AG
			Dilution Factor: 1				
Nickel	106	(75 - 125)			SW846 6010B	05/10-05/11/10	L06Q51AM
	107	(75 - 125)	0.54	(0-20)	SW846 6010B	05/10-05/11/10	L06Q51AN
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0E070460

Matrix.....: WATER

Date Sampled...: 05/03/10 18:00 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u> <u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
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MS Lot-Sample #: A0E080464-003 Prep Batch #...: 0130014

Chromium	102	(75 - 125)		SW846 6010B	05/10-05/11/10	L08Q21DX
	102	(75 - 125)	0.32 (0-20)	SW846 6010B	05/10-05/11/10	L08Q21D0

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E070460

Matrix.....: WATER

Date Sampled...: 04/27/10 12:35 Date Received...: 04/30/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia			WO#: L0T8J1A9-MS/L0T8J1CA-MSD	MS	Lot-Sample #: A0D300579-008		
	93	(75 - 125)			SM18 4500NH3-F	05/18/10	0138247
	97	(75 - 125)	3.5	(0-20)	SM18 4500NH3-F	05/18/10	0138247
			Dilution Factor: 1				
Total phosphorus			WO#: L08251AD-MS/L08251AE-MSD	MS	Lot-Sample #: A0E080506-001		
	96	(10 - 199)			SM18 4500-P E	05/14/10	0134419
	95	(10 - 199)	0.31	(0-46)	SM18 4500-P E	05/14/10	0134419
			Dilution Factor: 1				
Total Cyanide			WO#: L05H51AE-MS/L05H51AF-MSD	MS	Lot-Sample #: A0E060594-001		
	100	(42 - 140)			SM18 4500-CN E	05/14/10	0134252
	87	(42 - 140)	13	(0-20)	SM18 4500-CN E	05/14/10	0134252
			Dilution Factor: 1				
Total Cyanide			WO#: L1AX11AK-MS/L1AX11AL-MSD	MS	Lot-Sample #: A0E110412-002		
	93	(42 - 140)			SW846 9012A	05/17/10	0137438
	58 *	(42 - 140)	47	(0-20)	SW846 9012A	05/17/10	0137438
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E070460

Matrix.....: WG

Date Sampled...: 05/05/10 11:45 Date Received...: 05/07/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total			WO#: L06Q51AU-MS/L06Q51AV-MSD			MS Lot-Sample #: A0E070460-010	
	67	(42 - 140)			SW846 9012A	05/17/10	0137360
	78	(42 - 140)	14	(0-20)	SW846 9012A	05/17/10	0137360
			Dilution Factor: 1				
Cyanide, Total			WO#: L06R61AJ-MS/L06R61AK-MSD			MS Lot-Sample #: A0E070460-021	
	91	(42 - 140)			SW846 9012A	05/17/10	0137418
	83	(42 - 140)	8.4	(0-20)	SW846 9012A	05/17/10	0137418
			Dilution Factor: 1				
Total Phenols			WO#: L06Q51AQ-MS/L06Q51AR-MSD			MS Lot-Sample #: A0E070460-010	
	121	(10 - 155)			MCAWW 420.1	05/15/10	0135099
	111	(10 - 155)	6.5	(0-41)	MCAWW 420.1	05/15/10	0135099
			Dilution Factor: 1				
Total Phenols			WO#: L06Q91AJ-MS/L06Q91AK-MSD			MS Lot-Sample #: A0E070460-011	
	107	(10 - 155)			MCAWW 420.1	05/17/10	0137201
	109	(10 - 155)	2.0	(0-41)	MCAWW 420.1	05/17/10	0137201
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E070460 Work Order #...: L06FC-SMP Matrix.....: WATER
 L06FC-DUP
 Date Sampled...: 05/06/10 14:45 Date Received...: 05/07/10

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>			<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Solids	ND	ND	mg/L	0	(0-20)	SM18 2540 D	05/12/10	0132096
						SD Lot-Sample #: A0E070435-001		
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E070460

Work Order #....: L066W-SMP
L066W-DUP

Matrix.....: WATER

Date Sampled...: 05/07/10 09:15

Date Received...: 05/07/10

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	ND	ND	mg/L	67	(0-20)	SM18 2540 D	SD Lot-Sample #: A0E070498-001 05/12/10	0132097
				Dilution Factor: 1				

Chain of Custody Record

Client Contact		Project Manager: Steve Murray		Site Contact: James Staley		Date: 5-8-10		COC No. 1 of 4 COCs	
Company: MACTEC Engineering and Consulting, Inc.		Tel/Fax: (231) 922-9050		Lab Contact: Mark Loeb		Carrier: FGD 5X		Job No.	
Address: 41 Hughes Drive		Analysis Turnaround Time		Calendar (C) or Work Days (W)		TAT if different from Below		SDG No.	
City/State/Zip: Traverse City, Michigan 49686		Phone		2 weeks		1 week		Sample Specific Notes:	
(231) 922-9050		FAX		2 days		1 day			
(231) 922-9055		Project Name: Honeywell South Bend - 3310090039.6100.1		P O #: 5133286					

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Matrix Sample	Lab Contact	Carrier	Date
S3 05 10	5-5-10	1215	GRAB	H2O	6	VOCs - 8260 B	Mark Loeb	FGD 5X	5-8-10
S9 05 10	5-5-10	1120	GRAB	H2O	6	Dissolved Metals (As, Cr, Pb, Ni) - 6020	Mark Loeb	FGD 5X	5-8-10
SI4 05 10	5-5-10	1025	GRAB	H2O	6	T. Phenols - 420.1	Mark Loeb	FGD 5X	5-8-10
SI5 05 10	5-5-10	0945	GRAB	H2O	6	T. Cyanide - 9012 A	Mark Loeb	FGD 5X	5-8-10
MW-9 05 10	5-5-10	0900	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10
MW-13 05 10	5-5-10	1255	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10
SI7 05 10	5-5-10	1440	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10
MW-101 05 10	5-5-10	---	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10
MW-7 05 10	5-5-10	1600	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10
86-15 05 10	5-5-10	1145	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10
86-15 05 10	5-5-10	1145	MS/MSD	H2O	12		Mark Loeb	FGD 5X	5-8-10
86-10 05 10	5-5-10	1235	GRAB	H2O	6		Mark Loeb	FGD 5X	5-8-10

Preservation Used: 1-Ice, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-Other

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:

ALL DISSOLVED METALS WERE FILTERED IN FIELD

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
<i>Bob W</i>	MACTEC	5-6-10 1330	<i>Chris Staley</i>	ORL	5/16/10 215
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

North Canton
 4101 Shafter Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Company: MACTEC Engineering and Consulting, Inc. Address: 41 Hughes Drive City/State/Zip: Traverse City, Michigan 49886 (231) 922-9050 Phone (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310090039.6100.1 Site: South Bend P O #: 5133286	Project Manager: Steve Murray Tel/Fax: (231) 922-9050	Site Contact: James Staley Lab Contact: Mark Jacob	Date: 5-6-10 Carrier: EGT SX	COC No.: 2 of 4 COCs Job No.: SDG No.:
Analysis Turnaround Time	Calendar (C) or Work Days (W) TAT if different from Below 2 weeks 1 week 2 days 1 day				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Tested Sample	Sample Specific Notes
MW-104	05 10	---	GRAB	H2O	6	VOCs - 8260 B	
MW-10	05 10	1720	GRAB	H2O	6	Dissolved Metals (As, Cr, Pb, Ni) - 6020	
MW-11	05 10	1800	GRAB	H2O	6	T. Phenols - 420.1	
MW-12	05 10	1830	GRAB	H2O	6	T. Cyanide - 9012 A	
MW-2	05 10	1855	GRAB	H2O	6		
TRIP BLANK			GRAB	H2O	1		
MW-4	05 10	---	GRAB	H2O	6		
MW-5	05 10	1549	GRAB	H2O	6		
D12	05 10	1349	GRAB	H2O	6		
D8	05 10	1048	GRAB	H2O	6		
QD	05 10	5-5-10	GRAB	H2O	6		
TD	05 10	5-5-10	GRAB	H2O	6		

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:

ALL DISSOLVED METALS WERE FILTERED IN FIELD

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
<i>B. J. WOODS</i>	MACTEC	5-6-10	<i>Ch Staley</i>	STC	5/7/10 9:15
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

North Canton
 4101 Shuffel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact Company: MAC/TEC Engineering and Consulting, Inc. Address: 41 Hughes Drive City/State/Zip: Traverse City, Michigan 49686 (231) 922-9050 Phone (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310090039.6-100.1 Site: South Bend P O #: 5133286		Project Manager: Steve Murray Tel/Fax: (231) 922-9050 Calendar (C) or Work Days (W) TAT if different from Below <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: James Staley Lab Contact: Mark Loeb Date: 5-6-10 Carrier: FTD BX		COC No: 3 of 4 COCs Job No. SDG No. Sample Specific Notes:	
Sample Identification MW-103 05 10		Sample Date 5-5-10	Sample Time -	Sample Type GRAB	Matrix H2O	# of Cont. 6	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Special Instructions/QC Requirements & Comments: ALL DISSOLVED METALS WERE FILTERED IN FIELD					
Relinquished by: [Signature] Company: MAC/TEC Date/Time: 5-6-10 1330		Received by: [Signature] Company: TAC Date/Time: 5/7/10 915		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AOE070400

North Canton Facility

Client MACTEC Project _____ By: Chris Livingston

Cooler Received on 5/7/10 Opened on 5/7/10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA

If YES, Quantity 14 Quantity Unsalvageable _____

Were custody seals on the outside of cooler(s) signed and dated? Yes No NA

Were custody seals on the bottle(s)? Yes No

If YES, are there any exceptions? _____

2. Shippers' packing slip attached to the cooler(s)? Yes No Relinquished by client? Yes No

3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No

4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other _____

6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps

METHOD: IR Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were sample(s) at the correct pH upon receipt? Yes No NA

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Were air bubbles >6 mm in any VOA vials? Yes No NA

12. Sufficient quantity received to perform indicated analyses? Yes No

13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample

Receiving to meet recommended pH level(s). Nitric Acid Lot# 121709-HNO₃; Sulfuric Acid Lot# 121709-H₂SO₄; Sodium

Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-

(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
S3	2262 712	5-7-10	CSL
S9	2262 712		
S14	2262 712		
S15	2262 712		
MW9	2262 712		
MW13	2262 712		
S17	2262 712		
MW101	2262 712		

**TestAmerica Cooler Receipt Form/Narrative
North Canton Facility**

Client ID	pH	Date	Initials
MW7	6.2 6.2 >12	5/7/10	CSL
86-15 MSMSD	6.2 6.2 >12		
86-10	6.2 6.2 >12		
MW104	6.2 6.2 >12		
MW10	6.2 6.2 >12		
MW11	6.2 6.2 >12		
MW2	6.2 6.2 >12		
MW4	6.2 6.2 >12		
MW5	6.2 6.2 >12		
D12	6.2 6.2 >12		
D8	6.2 6.2 >12		
90	6.2 6.2 >12		
70	6.2 6.2 >12		
MW103 G	6.2 6.2 >12		
RWB14 G	>12 6.2 6.2 6.2		
RWB23 G	6.2 6.2 6.2 >12		
EW2 A	6.2 6.2 6.2 >12		
RWB16 C	6.2 6.2		
RWB23 C	6.2 6.2		
EW2 C	6.2 6.2		

Cooler #	Temp. °C	Method	Coolant
Client	2.5	IR	ice
241-184	1.7		
241-538	2.9		
461	3.9		
241-944	1.3		
241-629	0.7		
241-867	1.4		

Discrepancies Cont'd:

END OF REPORT

North Canton

4101 Shuffel Street, N. W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Steve Murray		Site Contact: James Staley		COC No. 4 of 7 COCs					
Company: MACTEC Engineering and Consulting, Inc.		Tel/Fax: (231) 922-9050		Lab Contact: Mark Loeb		Date: 5-6-10					
Address: 41 Hughes Drive		Analysis Turnaround Time		Carrier: EX		Job No.					
City/State/Zip: Traverse City, Michigan 49686		Calendar (C) or Work Days (W)		T. Suspended Solids (TSS) - 2540D		SDG No.					
(231) 922-9050 Phone		TAT: if different from Below		Phosphorus - 365.1		Sample Specific Notes:					
(231) 922-9055 FAX		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Biochemical Oxygen Demand (BOD) - 5210B							
Project Name: Honeywell South Bend - 3310090039.6100.1				Ag, Zn) - 200.72088							
Site: South Bend				T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ammonia, Nitrogen - 4500 NH3-F							
P O #: 5133286				Grease (TPH O&G) - 1664-SGT-HEM							
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Con.	T. Oil & Grease (FOG) - 1664-HEM	T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT-HEM	T. Cyanide - 4500 CN-F	Pesticides, PCBs - 608	SVOCS - 624	VOCs - 624
RWB16 OS 10	5-6-10	0930	COMPOSITE GRAB	H2O	17	2	2	2	2	2	2
RWB23 OS 10	5-5-10	0950	COMPOSITE GRAB	H2O	17	2	2	2	2	2	2
EW-7 OS 10	5-6-10	1140	COMPOSITE GRAB	H2O	17	2	2	2	2	2	2
G=GRAB C=COMPOSITE											

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return To Client Disposal By Lab Months

Relinquished by: BO WHO	Company: MACTEC	Date/Time: 5-6-10 1330	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by: Ch Lyil	Company: TAC	Date/Time: 5/7/10 915

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310090039.6100.1

HONEYWELL - SOUTH BEND

Lot #: A0E050439

Steven Murray

Macted Engineering & Consultant
41 Hughes Drive
Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.



Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

Approved for release.
Mark J. Loeb
Project Manager II
5/24/2010 3:42 PM

May 24, 2010

100524 6/1/2010 7:00:39
SCANNED



CASE NARRATIVE

A0E050439

The following report contains the analytical results for twenty-three water samples and one quality control sample submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the Honeywell - South Bend Site, project number 3310090039.6100.1. The samples were received May 05, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on May 21, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 4.0 to 5.7° C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The matrix spike/matrix spike duplicate(s) for D4 05 10 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 0133306 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

2-Chloroethyl-vinyl ether cannot be reliably recovered in an acid preserved sample.

There were no client requested Matrix Spike (MS) samples in batch 0132424.

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike (MS) samples in batch 0130039.

PESTICIDES-608

The reporting limits are elevated due to matrix interference that routine clean-up techniques could not remove for sample E3A 05 10 (GRAB).

The opening CCV passed average but failed for DDT biased low, since the sample is non-detect, no corrective action is needed for sample E3S 05 10 (GRAB).

There were no client requested Matrix Spike (MS) samples in batch 0131044.

PCB-608

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

CASE NARRATIVE (continued)

GENERAL CHEMISTRY

The matrix spike/matrix spike duplicate(s) for D4 05 10 had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The Cyanide MS/MSD for batch 0138328 also supports the samples in batch 0138329.

Method blank contamination was present for the Phenol sample MW-100 05 10. Since the analyte was not detected in the sample the result was accepted.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit



N:\QAQC\Customer Service\Narrative - Combined RCRA _CWA 032609.doc

EXECUTIVE SUMMARY - Detection Highlights

AOE050439

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S28 05 10 05/03/10 14:40 001				
cis-1,2-Dichloroethene	26	2.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	42	2.0	ug/L	SW846 8260B
Trichloroethene	61	2.0	ug/L	SW846 8260B
S16 05 10 05/03/10 15:45 002				
cis-1,2-Dichloroethene	11	9.1	ug/L	SW846 8260B
Trichloroethene	250	9.1	ug/L	SW846 8260B
S4A 05 10 05/03/10 16:30 003				
1,1-Dichloroethane	18	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	150	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.1	5.0	ug/L	SW846 8260B
Vinyl chloride	55	5.0	ug/L	SW846 8260B
S24 05 10 05/03/10 17:10 004				
cis-1,2-Dichloroethene	100	4.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	79	4.0	ug/L	SW846 8260B
Trichloroethene	17	4.0	ug/L	SW846 8260B
S27 05 10 05/03/10 17:57 005				
1,1-Dichloroethane	23	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	19	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	2.5	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	2.3	1.0	ug/L	SW846 8260B
Trichloroethene	12	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	8.9	1.0	ug/L	SW846 8260B
S26 05 10 05/03/10 18:45 006				
cis-1,2-Dichloroethene	3.5	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	1.2	1.0	ug/L	SW846 8260B
Trichloroethene	11	1.0	ug/L	SW846 8260B
2D 05 10 05/03/10 20:45 007				
1,2-Dichloroethane	4.1	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	12	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

AOE050439

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S21 05 10 05/04/10 10:15 008				
cis-1,2-Dichloroethene	39	1.4	ug/L	SW846 8260B
trans-1,2-Dichloroethene	24	1.4	ug/L	SW846 8260B
Trichloroethene	34	1.4	ug/L	SW846 8260B
S25 05 10 05/04/10 12:00 010				
cis-1,2-Dichloroethene	12	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.1	1.0	ug/L	SW846 8260B
EW3 05 10 (GRAB) 05/04/10 16:00 015				
cis-1,2-Dichloroethene	28	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	24	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	52	2.0	ug/L	CFR136A 624
Trichloroethene	7.1	1.0	ug/L	CFR136A 624
EW1 05 10 (GRAB) 05/04/10 17:10 016				
cis-1,2-Dichloroethene	170	2.5	ug/L	CFR136A 624
trans-1,2-Dichloroethene	24	2.5	ug/L	CFR136A 624
1,1-Dichloroethane	8.8	2.5	ug/L	CFR136A 624
1,2-Dichloroethene (total)	200	5.0	ug/L	CFR136A 624
Trichloroethene	35	2.5	ug/L	CFR136A 624
Vinyl chloride	16	2.5	ug/L	CFR136A 624
Total Cyanide	0.019	0.010	mg/L	SM18 4500-CN E
E3A 05 10 (GRAB) 05/04/10 18:00 017				
cis-1,2-Dichloroethene	7.3	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	1.3	1.0	ug/L	CFR136A 624
Benzene	1.9	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	7.0	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	8.6	2.0	ug/L	CFR136A 624
Vinyl chloride	9.4	1.0	ug/L	CFR136A 624
Total Cyanide	0.017	0.010	mg/L	SM18 4500-CN E

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A0E050439

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
EW3 05 10 (COMP) 05/04/10 16:00 018				
Copper	16.0	2.0	ug/L	MCAWW 200.8
Nickel	7.0	2.0	ug/L	MCAWW 200.8
EW1 05 10 (COMP) 05/04/10 17:10 019				
Arsenic	5.3	5.0	ug/L	MCAWW 200.8
Copper	16.3	2.0	ug/L	MCAWW 200.8
Nickel	3.2	2.0	ug/L	MCAWW 200.8
Lead	2.0	1.0	ug/L	MCAWW 200.8
Zinc	113	10.0	ug/L	MCAWW 200.8
Total Suspended Solids	9.0	4.0	mg/L	SM18 2540 D
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F
E3A 05 10 (COMP) 05/04/10 18:00 020				
Nickel	11.7	2.0	ug/L	MCAWW 200.8
Zinc	21.6	10.0	ug/L	MCAWW 200.8
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F
D7 05 10 05/04/10 09:49 021				
1,2-Dichloroethane	21	1.0	ug/L	SW846 8260B
D4 05 10 05/04/10 15:01 023				
Total Phenols	0.083	0.040	mg/L	MCAWW 420.1

ANALYTICAL METHODS SUMMARY

A0E050439

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids	CFR136A 625
Biochemical Oxygen Demand	SM18 5210 B
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A SGT HEM
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Organochlorine Pesticides and PCBs	CFR136A 608
Phenolics	MCAWW 420.1
Purgeables	CFR136A 624
Total cyanide	SM18 4500-CN E
Total phosphorus	SM18 4500-P E
Total Suspended Solids	SM18 2540 D
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

- CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0E050439

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT</u>	<u>SAMPLE ID</u>	<u>SAMPLED</u> <u>DATE</u>	<u>SAMP</u> <u>TIME</u>
L016T	001	S28	05 10	05/03/10	14:40
L0166	002	S16	05 10	05/03/10	15:45
L0167	003	S4A	05 10	05/03/10	16:30
L017D	004	S24	05 10	05/03/10	17:10
L017E	005	S27	05 10	05/03/10	17:57
L017F	006	S26	05 10	05/03/10	18:45
L017G	007	2D	05 10	05/03/10	20:45
L017H	008	S21	05 10	05/04/10	10:15
L017J	009	S20	05 10	05/04/10	11:00
L017K	010	S25	05 10	05/04/10	12:00
L017L	011	7-50	05 10	05/04/10	14:45
L017M	012	7-25	05 10	05/04/10	14:37
L017N	013	TRIP	BLANK	05/04/10	
L017P	014	MW-102	05 10	05/04/10	
L017Q	015	EW3	05 10 (GRAB)	05/04/10	16:00
L018D	016	EW1	05 10 (GRAB)	05/04/10	17:10
L018H	017	E3A	05 10 (GRAB)	05/04/10	18:00
L018L	018	EW3	05 10 (COMP)	05/04/10	16:00
L018X	019	EW1	05 10 (COMP)	05/04/10	17:10
L0182	020	E3A	05 10 (COMP)	05/04/10	18:00
L0183	021	D7	05 10	05/04/10	09:49
L019A	022	D5	05 10	05/04/10	12:35
L019G	023	D4	05 10	05/04/10	15:01
L019J	024	MW-100	05 10	05/04/10	

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: S28 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-001 Work Order #...: L016T1AG Matrix.....: WG
 Date Sampled...: 05/03/10 14:40 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 2 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	20	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Methyl ethyl ketone	ND	20	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	20	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
cis-1,2-Dichloroethene	26	2.0	ug/L
trans-1,2-Dichloroethene	42	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
Dichlorofluoromethane	ND	4.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S28 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-001 Work Order #....: L016T1AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Diethyl ether	ND	4.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Methyl tert-butyl ether (MTBE)	ND	10	ug/L
Naphthalene	ND	2.0	ug/L
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
o-Xylene	ND	2.0	ug/L
Cyclohexanone	ND	40	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Trichloroethene	61	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S28 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-001 Work Order #....: L016T1AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1-Chlorohexane	ND	2.0	ug/L
n-Heptane	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S28 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-001

Matrix.....: WG

Date Sampled...: 05/03/10 14:40 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AK
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AH
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AD
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S28 05 10

General Chemistry

Lot-Sample #...: A0E050439-001 Work Order #...: L016T Matrix.....: WG
Date Sampled...: 05/03/10 14:40 Date Received..: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S16 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-002 Work Order #...: L01661AG Matrix.....: WG
 Date Sampled...: 05/03/10 15:45 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 9.09 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	91	ug/L
Acrolein	ND	180	ug/L
Acrylonitrile	ND	180	ug/L
Benzene	ND	9.1	ug/L
Bromobenzene	ND	9.1	ug/L
Bromochloromethane	ND	9.1	ug/L
Bromodichloromethane	ND	9.1	ug/L
Bromoform	ND	9.1	ug/L
Bromomethane	ND	9.1	ug/L
Methyl ethyl ketone	ND	91	ug/L
n-Butylbenzene	ND	9.1	ug/L
sec-Butylbenzene	ND	9.1	ug/L
tert-Butylbenzene	ND	9.1	ug/L
Carbon disulfide	ND	9.1	ug/L
Carbon tetrachloride	ND	9.1	ug/L
Chlorobenzene	ND	9.1	ug/L
Chlorodibromomethane	ND	9.1	ug/L
Chloroethane	ND	9.1	ug/L
2-Chloroethyl vinyl ether	ND	91	ug/L
Chloroform	ND	9.1	ug/L
Chloromethane	ND	9.1	ug/L
2-Chlorotoluene	ND	9.1	ug/L
4-Chlorotoluene	ND	9.1	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	18	ug/L
1,2-Dibromoethane	ND	9.1	ug/L
Dibromomethane	ND	9.1	ug/L
1,2-Dichlorobenzene	ND	9.1	ug/L
1,3-Dichlorobenzene	ND	9.1	ug/L
1,4-Dichlorobenzene	ND	9.1	ug/L
trans-1,4-Dichloro-2-butene	ND	9.1	ug/L
Dichlorodifluoromethane	ND	9.1	ug/L
1,1-Dichloroethane	ND	9.1	ug/L
1,2-Dichloroethane	ND	9.1	ug/L
cis-1,2-Dichloroethene	11	9.1	ug/L
trans-1,2-Dichloroethene	ND	9.1	ug/L
1,1-Dichloroethene	ND	9.1	ug/L
Dichlorofluoromethane	ND	18	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S16 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-002 Work Order #...: L01661AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	9.1	ug/L
1,3-Dichloropropane	ND	9.1	ug/L
2,2-Dichloropropane	ND	9.1	ug/L
cis-1,3-Dichloropropene	ND	9.1	ug/L
trans-1,3-Dichloropropene	ND	9.1	ug/L
1,1-Dichloropropene	ND	9.1	ug/L
Ethylbenzene	ND	9.1	ug/L
Diethyl ether	ND	18	ug/L
Ethyl methacrylate	ND	9.1	ug/L
Hexachlorobutadiene	ND	9.1	ug/L
2-Hexanone	ND	91	ug/L
Iodomethane	ND	9.1	ug/L
Isopropylbenzene	ND	9.1	ug/L
p-Isopropyltoluene	ND	9.1	ug/L
Methylene chloride	ND	9.1	ug/L
Methyl methacrylate	ND	18	ug/L
4-Methyl-2-pentanone (MIBK)	ND	91	ug/L
Methyl tert-butyl ether (MTBE)	ND	45	ug/L
Naphthalene	ND	9.1	ug/L
n-Propylbenzene	ND	9.1	ug/L
Styrene	ND	9.1	ug/L
1,1,1,2-Tetrachloroethane	ND	9.1	ug/L
1,1,2,2-Tetrachloroethane	ND	9.1	ug/L
Tetrachloroethene	ND	9.1	ug/L
Tetrahydrofuran	ND	45	ug/L
Toluene	ND	9.1	ug/L
1,2,3-Trichlorobenzene	ND	9.1	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	9.1	ug/L
1,2,4-Trimethylbenzene	ND	9.1	ug/L
1,3,5-Trimethylbenzene	ND	9.1	ug/L
Vinyl acetate	ND	18	ug/L
Vinyl chloride	ND	9.1	ug/L
m-Xylene & p-Xylene	ND	18	ug/L
o-Xylene	ND	9.1	ug/L
Cyclohexanone	ND	180	ug/L
Trichlorofluoromethane	ND	9.1	ug/L
Trichloroethene	250	9.1	ug/L
1,2,4-Trichloro- benzene	ND	9.1	ug/L
1,1,1-Trichloroethane	ND	9.1	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S16 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-002 Work Order #...: L01661AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	9.1	ug/L
1,2,3-Trichloropropane	ND	9.1	ug/L
1-Chlorohexane	ND	9.1	ug/L
n-Heptane	ND	9.1	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S16 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-002

Matrix.....: WG

Date Sampled...: 05/03/10 15:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L01661AK
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L01661AH
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L01661AD
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L01661AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S16 05 10

General Chemistry

Lot-Sample #...: A0E050439-002 Work Order #...: L0166 Matrix.....: WG
Date Sampled...: 05/03/10 15:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S4A 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-003 Work Order #...: L01671AG Matrix.....: WG
 Date Sampled...: 05/03/10 16:30 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 5 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	50	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Methyl ethyl ketone	ND	50	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon disulfide	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
2-Chloroethyl vinyl ether	ND	50	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	18	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
cis-1,2-Dichloroethene	150	5.0	ug/L
trans-1,2-Dichloroethene	5.1	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
Dichlorofluoromethane	ND	10	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S4A 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-003 Work Order #...: L01671AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Diethyl ether	ND	10	ug/L
Ethyl methacrylate	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
2-Hexanone	ND	50	ug/L
Iodomethane	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Methyl methacrylate	ND	10	ug/L
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L
Methyl tert-butyl ether (MTBE)	ND	25	ug/L
Naphthalene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
Tetrahydrofuran	ND	25	ug/L
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Vinyl chloride	55	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L
Cyclohexanone	ND	100	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
1,2,4-Trichloro- benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S4A 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-003 Work Order #...: L01671AG Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1-Chlorohexane	ND	5.0	ug/L
n-Heptane	ND	5.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S4A 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-003

Matrix.....: WG

Date Sampled...: 05/03/10 16:30 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L01671AK
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L01671AH
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L01671AD
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L01671AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S4A 05 10

General Chemistry

Lot-Sample #...: A0E050439-003 Work Order #...: L0167 Matrix.....: WG
Date Sampled...: 05/03/10 16:30 Date Received..: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S24 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-004 Work Order #...: L017D1AE Matrix.....: WG
 Date Sampled...: 05/03/10 17:10 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	40	ug/L
Acrolein	ND	80	ug/L
Acrylonitrile	ND	80	ug/L
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Methyl ethyl ketone	ND	40	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon disulfide	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	4.0	ug/L
2-Chloroethyl vinyl ether	ND	40	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
trans-1,4-Dichloro-2-butene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
cis-1,2-Dichloroethene	100	4.0	ug/L
trans-1,2-Dichloroethene	79	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
Dichlorofluoromethane	ND	8.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S24 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-004 Work Order #...: L017D1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	4.0	ug/L
cis-1,3-Dichloropropene	ND	4.0	ug/L
trans-1,3-Dichloropropene	ND	4.0	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Diethyl ether	ND	8.0	ug/L
Ethyl methacrylate	ND	4.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
2-Hexanone	ND	40	ug/L
Iodomethane	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Methyl methacrylate	ND	8.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	40	ug/L
Methyl tert-butyl ether (MTBE)	ND	20	ug/L
Naphthalene	ND	4.0	ug/L
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Tetrahydrofuran	ND	20	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl acetate	ND	8.0	ug/L
Vinyl chloride	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
o-Xylene	ND	4.0	ug/L
Cyclohexanone	ND	80	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Trichloroethene	17	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S24 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-004 Work Order #...: L017D1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1-Chlorohexane	ND	4.0	ug/L
n-Heptane	ND	4.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S24 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-004

Matrix.....: WG

Date Sampled...: 05/03/10 17:10 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017D1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017D1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017D1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017D1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S24 05 10

General Chemistry

Lot-Sample #...: A0E050439-004 Work Order #...: L017D Matrix.....: WG
Date Sampled...: 05/03/10 17:10 Date Received..: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S27 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-005 Work Order #...: L017E1AE Matrix.....: WG
 Date Sampled...: 05/03/10 17:57 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	23	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	19	1.0	ug/L
trans-1,2-Dichloroethene	2.5	1.0	ug/L
1,1-Dichloroethene	2.3	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S27 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-005 Work Order #...: L017E1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	12	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	8.9	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S27 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-005 Work Order #...: L017E1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S27 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-005

Matrix.....: WG

Date Sampled...: 05/03/10 17:57 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017E1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017E1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017E1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017E1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S27 05 10

General Chemistry

Lot-Sample #...: A0E050439-005 Work Order #...: L017E Matrix.....: WG
Date Sampled...: 05/03/10 17:57 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S26 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-006 Work Order #...: L017F1AE Matrix.....: WG
 Date Sampled...: 05/03/10 18:45 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	3.5	1.0	ug/L
trans-1,2-Dichloroethene	1.2	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S26 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-006 Work Order #...: L017F1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	11	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S26 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-006 Work Order #...: L017F1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S26 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-006

Matrix.....: WG

Date Sampled...: 05/03/10 18:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017F1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017F1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017F1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017F1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S26 05 10

General Chemistry

Lot-Sample #...: A0E050439-006 Work Order #...: L017F Matrix.....: WG
Date Sampled...: 05/03/10 18:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 2D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-007 Work Order #...: L017G1AE Matrix.....: WG
 Date Sampled...: 05/03/10 20:45 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	4.1	1.0	ug/L
cis-1,2-Dichloroethene	12	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 2D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-007 Work Order #...: L017G1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: 2D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-007 Work Order #...: L017G1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 2D 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-007

Matrix.....: WG

Date Sampled...: 05/03/10 20:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017G1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017G1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017G1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017G1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 2D 05 10

General Chemistry

Lot-Sample #...: A0E050439-007 Work Order #...: L017G Matrix.....: WG
Date Sampled...: 05/03/10 20:45 Date Received..: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S21 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-008 Work Order #...: L017H1AE Matrix.....: WG
 Date Sampled...: 05/04/10 10:15 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1.43 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	14	ug/L
Acrolein	ND	29	ug/L
Acrylonitrile	ND	29	ug/L
Benzene	ND	1.4	ug/L
Bromobenzene	ND	1.4	ug/L
Bromochloromethane	ND	1.4	ug/L
Bromodichloromethane	ND	1.4	ug/L
Bromoform	ND	1.4	ug/L
Bromomethane	ND	1.4	ug/L
Methyl ethyl ketone	ND	14	ug/L
n-Butylbenzene	ND	1.4	ug/L
sec-Butylbenzene	ND	1.4	ug/L
tert-Butylbenzene	ND	1.4	ug/L
Carbon disulfide	ND	1.4	ug/L
Carbon tetrachloride	ND	1.4	ug/L
Chlorobenzene	ND	1.4	ug/L
Chlorodibromomethane	ND	1.4	ug/L
Chloroethane	ND	1.4	ug/L
2-Chloroethyl vinyl ether	ND	14	ug/L
Chloroform	ND	1.4	ug/L
Chloromethane	ND	1.4	ug/L
2-Chlorotoluene	ND	1.4	ug/L
4-Chlorotoluene	ND	1.4	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.9	ug/L
1,2-Dibromoethane	ND	1.4	ug/L
Dibromomethane	ND	1.4	ug/L
1,2-Dichlorobenzene	ND	1.4	ug/L
1,3-Dichlorobenzene	ND	1.4	ug/L
1,4-Dichlorobenzene	ND	1.4	ug/L
trans-1,4-Dichloro-2-butene	ND	1.4	ug/L
Dichlorodifluoromethane	ND	1.4	ug/L
1,1-Dichloroethane	ND	1.4	ug/L
1,2-Dichloroethane	ND	1.4	ug/L
cis-1,2-Dichloroethene	39	1.4	ug/L
trans-1,2-Dichloroethene	24	1.4	ug/L
1,1-Dichloroethene	ND	1.4	ug/L
Dichlorofluoromethane	ND	2.9	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S21 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-008 Work Order #...: L017H1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.4	ug/L
1,3-Dichloropropane	ND	1.4	ug/L
2,2-Dichloropropane	ND	1.4	ug/L
cis-1,3-Dichloropropene	ND	1.4	ug/L
trans-1,3-Dichloropropene	ND	1.4	ug/L
1,1-Dichloropropene	ND	1.4	ug/L
Ethylbenzene	ND	1.4	ug/L
Diethyl ether	ND	2.9	ug/L
Ethyl methacrylate	ND	1.4	ug/L
Hexachlorobutadiene	ND	1.4	ug/L
2-Hexanone	ND	14	ug/L
Iodomethane	ND	1.4	ug/L
Isopropylbenzene	ND	1.4	ug/L
p-Isopropyltoluene	ND	1.4	ug/L
Methylene chloride	ND	1.4	ug/L
Methyl methacrylate	ND	2.9	ug/L
4-Methyl-2-pentanone (MIBK)	ND	14	ug/L
Methyl tert-butyl ether (MTBE)	ND	7.2	ug/L
Naphthalene	ND	1.4	ug/L
n-Propylbenzene	ND	1.4	ug/L
Styrene	ND	1.4	ug/L
1,1,1,2-Tetrachloroethane	ND	1.4	ug/L
1,1,2,2-Tetrachloroethane	ND	1.4	ug/L
Tetrachloroethene	ND	1.4	ug/L
Tetrahydrofuran	ND	7.2	ug/L
Toluene	ND	1.4	ug/L
1,2,3-Trichlorobenzene	ND	1.4	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.4	ug/L
1,2,4-Trimethylbenzene	ND	1.4	ug/L
1,3,5-Trimethylbenzene	ND	1.4	ug/L
Vinyl acetate	ND	2.9	ug/L
Vinyl chloride	ND	1.4	ug/L
m-Xylene & p-Xylene	ND	2.9	ug/L
o-Xylene	ND	1.4	ug/L
Cyclohexanone	ND	29	ug/L
Trichlorofluoromethane	ND	1.4	ug/L
Trichloroethene	34	1.4	ug/L
1,2,4-Trichloro- benzene	ND	1.4	ug/L
1,1,1-Trichloroethane	ND	1.4	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S21 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-008 Work Order #...: L017H1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.4	ug/L
1,2,3-Trichloropropane	ND	1.4	ug/L
1-Chlorohexane	ND	1.4	ug/L
n-Heptane	ND	1.4	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S21 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-008

Matrix.....: WG

Date Sampled...: 05/04/10 10:15 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017H1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017H1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017H1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017H1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S21 05 10

General Chemistry

Lot-Sample #...: A0E050439-008 Work Order #...: L017H Matrix.....: WG
Date Sampled...: 05/04/10 10:15 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S20 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-009 Work Order #...: L017J1AE Matrix.....: WG
 Date Sampled...: 05/04/10 11:00 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S20 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-009 Work Order #...: L017J1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S20 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-009 Work Order #....: L017J1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	93	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S20 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-009

Matrix.....: WG

Date Sampled...: 05/04/10 11:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017J1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017J1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017J1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017J1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S20 05 10

General Chemistry

Lot-Sample #...: A0E050439-009 Work Order #...: L017J Matrix.....: WG
Date Sampled...: 05/04/10 11:00 Date Received..: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-010 Work Order #...: L017K1AE Matrix.....: WG
 Date Sampled...: 05/04/10 12:00 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	12	1.0	ug/L
trans-1,2-Dichloroethene	5.1	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-010 Work Order #...: L017K1AE Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-010 Work Order #...: L017K1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: S25 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-010

Matrix.....: WG

Date Sampled...: 05/04/10 12:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017K1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017K1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017K1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017K1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: S25 05 10

General Chemistry

Lot-Sample #...: A0E050439-010 Work Order #...: L017K Matrix.....: WG
Date Sampled...: 05/04/10 12:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 7-50 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-011 Work Order #...: L017L1AE Matrix.....: WG
 Date Sampled...: 05/04/10 14:45 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 7-50 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-011 Work Order #....: L017L1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 7-50 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-011 Work Order #....: L017L1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 7-50 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-011

Matrix.....: WG

Date Sampled...: 05/04/10 14:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017L1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017L1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017L1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017L1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 7-50 05 10

General Chemistry

Lot-Sample #....: A0E050439-011 Work Order #....: L017L Matrix.....: WG
Date Sampled....: 05/04/10 14:45 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 7-25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-012 Work Order #...: L017M1AE Matrix.....: WG
 Date Sampled...: 05/04/10 14:37 Date Received...: 05/05/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 7-25 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-012 Work Order #....: L017M1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: 7-25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-012 Work Order #...: L017M1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: 7-25 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-012

Matrix.....: WG

Date Sampled...: 05/04/10 14:37 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017M1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017M1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017M1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017M1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: 7-25 05 10

General Chemistry

Lot-Sample #...: A0E050439-012 Work Order #...: L017M Matrix.....: WG
Date Sampled...: 05/04/10 14:37 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E050439-013 Work Order #...: L017N1AA Matrix.....: WQ
 Date Sampled...: 05/04/10 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: A0E050439-013 Work Order #....: L017N1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E050439-013 Work Order #...: L017N1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-102 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-014 Work Order #...: L017P1AE Matrix.....: WG
 Date Sampled...: 05/04/10 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-102 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-014 Work Order #...: L017P1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-102 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-014 Work Order #....: L017P1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-102 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-014

Matrix.....: WG

Date Sampled...: 05/04/10

Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L017P1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L017P1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L017P1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L017P1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-102 05 10

General Chemistry

Lot-Sample #...: A0E050439-014 Work Order #...: L017P Matrix.....: WG
Date Sampled...: 05/04/10 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #....: A0E050439-015 Work Order #....: L017Q1AU Matrix.....: WG
 Date Sampled....: 05/04/10 16:00 Date Received..: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date..: 05/12/10
 Prep Batch #....: 0132424
 Dilution Factor: 1 Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
cis-1,2-Dichloroethene	28	1.0	ug/L
trans-1,2-Dichloroethene	24	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	52	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	7.1	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	107	(80 - 125)
Toluene-d8	103	(84 - 110)
Bromofluorobenzene	85	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #....: A0E050439-015 Work Order #....: L017Q1AV Matrix.....: WG
 Date Sampled....: 05/04/10 16:00 Date Received...: 05/05/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/17/10
 Prep Batch #....: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E050439-015 Work Order #...: L017Q1AV Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
2-Fluorophenol	61	(10 - 135)	
Phenol-d5	62	(10 - 132)	
2,4,6-Tribromophenol	62	(10 - 142)	
2-Fluorobiphenyl	56	(38 - 110)	
Terphenyl-d14	72	(24 - 135)	
Nitrobenzene-d5	62	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E050439-015 Work Order #...: L017Q1AR Matrix.....: WG
Date Sampled...: 05/04/10 16:00 Date Received...: 05/05/10
Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
Prep Batch #...: 0131045
Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	86	(15 - 131)
Decachlorobiphenyl	62	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E050439-015 Work Order #....: L017Q1AT Matrix.....: WG
 Date Sampled....: 05/04/10 16:00 Date Received...: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0131044
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	76	(10 - 151)	
Decachlorobiphenyl	60	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E050439-015 Work Order #...: L017Q Matrix.....: WG
 Date Sampled...: 05/04/10 16:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/18/10	0138329
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E050439-016 Work Order #...: L018D1AU Matrix.....: WG
 Date Sampled...: 05/04/10 17:10 Date Received...: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0132424
 Dilution Factor: 2.5 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	170	2.5	ug/L
trans-1,2-Dichloroethene	24	2.5	ug/L
Acrolein	ND	50	ug/L
Acrylonitrile	ND	50	ug/L
Benzene	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	2.5	ug/L
Chloroform	ND	2.5	ug/L
Chloromethane	ND	2.5	ug/L
Dichlorobromomethane	ND	2.5	ug/L
1,1-Dichloroethane	8.8	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
1,1-Dichloroethene	ND	2.5	ug/L
1,2-Dichloroethene	200	5.0	ug/L
(total)			
1,2-Dichloropropane	ND	2.5	ug/L
cis-1,3-Dichloropropene	ND	2.5	ug/L
trans-1,3-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	ND	2.5	ug/L
Toluene	ND	2.5	ug/L
1,1,1-Trichloroethane	ND	2.5	ug/L
1,1,2-Trichloroethane	ND	2.5	ug/L
Trichloroethene	35	2.5	ug/L
Vinyl chloride	16	2.5	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	110	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	85	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E050439-016 Work Order #...: L018D1AV Matrix.....: WG
 Date Sampled...: 05/04/10 17:10 Date Received...: 05/05/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E050439-016 Work Order #...: L018D1AV Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
2-Fluorophenol	53	(10 - 135)	
Phenol-d5	56	(10 - 132)	
2,4,6-Tribromophenol	59	(10 - 142)	
2-Fluorobiphenyl	52	(38 - 110)	
Terphenyl-d14	50	(24 - 135)	
Nitrobenzene-d5	55	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E050439-016 Work Order #....: L018D1AR Matrix.....: WG
Date Sampled....: 05/04/10 17:10 Date Received...: 05/05/10
Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
Prep Batch #....: 0131045
Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	90	(15 - 131)
Decachlorobiphenyl	50	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E050439-016 Work Order #...: L018D1AT Matrix.....: WG
 Date Sampled...: 05/04/10 17:10 Date Received...: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0131044
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	71	(10 - 151)	
Decachlorobiphenyl	43	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E050439-016 Work Order #...: L018D Matrix.....: WG
Date Sampled...: 05/04/10 17:10 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1				
Total Cyanide	0.019	0.010	mg/L	SM18 4500-CN E	05/18/10	0138329
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E050439-017 Work Order #...: L018H1AE Matrix.....: WG
 Date Sampled...: 05/04/10 18:00 Date Received...: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0132424
 Dilution Factor: 1 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	7.3	1.0	ug/L
trans-1,2-Dichloroethene	1.3	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	1.9	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	7.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	8.6	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	9.4	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	107	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	89	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #....: A0E050439-017 Work Order #....: L018H1AF Matrix.....: WG
 Date Sampled...: 05/04/10 18:00 Date Received...: 05/05/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #....: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E050439-017 Work Order #...: L018H1AF Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno (1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
2-Fluorophenol	69	(10 - 135)	
Phenol-d5	70	(10 - 132)	
2,4,6-Tribromophenol	72	(10 - 142)	
2-Fluorobiphenyl	60	(38 - 110)	
Terphenyl-d14	78	(24 - 135)	
Nitrobenzene-d5	68	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #....: A0E050439-017 Work Order #....: L018H1AC Matrix.....: WG
 Date Sampled....: 05/04/10 18:00 Date Received...: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0131045
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
<u>SURROGATE</u>			
Tetrachloro-m-xylene	64	(15 - 131)	
Decachlorobiphenyl	24	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E050439-017 Work Order #...: L018H1AD Matrix.....: WG
 Date Sampled...: 05/04/10 18:00 Date Received...: 05/05/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0131044
 Dilution Factor: 20 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	1.0	ug/L
alpha-BHC	ND	1.0	ug/L
beta-BHC	ND	1.0	ug/L
delta-BHC	ND	1.0	ug/L
gamma-BHC (Lindane)	ND	1.0	ug/L
Chlordane (technical)	ND	10	ug/L
4,4'-DDD	ND	1.0	ug/L
4,4'-DDE	ND	1.0	ug/L
4,4'-DDT	ND	1.0	ug/L
Dieldrin	ND	1.0	ug/L
Endosulfan I	ND	1.0	ug/L
Endosulfan II	ND	1.0	ug/L
Endosulfan sulfate	ND	1.0	ug/L
Endrin	ND	1.0	ug/L
Endrin aldehyde	ND	1.0	ug/L
Heptachlor	ND	1.0	ug/L
Heptachlor epoxide	ND	1.0	ug/L
Toxaphene	ND	40	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	74 DIL	(10 - 151)	
Decachlorobiphenyl	63 DIL	(10 - 151)	

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
 Elevated reporting limits. The reporting limits are elevated due to matrix interference.

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E050439-017 Work Order #...: L018H Matrix.....: WG
 Date Sampled...: 05/04/10 18:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1				
Total Cyanide	0.017	0.010	mg/L	SM18 4500-CN E	05/18/10	0138329
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E050439-018

Matrix.....: WG

Date Sampled...: 05/04/10 16:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AE
		Dilution Factor: 1				
Copper	16.0	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L018L1AP
		Dilution Factor: 1				
Nickel	7.0	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AG
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AN
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018L1AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW3 05 10 (COMP)

General Chemistry

Lot-Sample #...: A0E050439-018 Work Order #...: L018L Matrix.....: WG
 Date Sampled...: 05/04/10 16:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	05/19/10	0139352
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/18/10	0138316
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/11/10	0131120
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E050439-019

Matrix.....: WG

Date Sampled...: 05/04/10 17:10 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AA
		Dilution Factor: 1				
Arsenic	5.3	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AE
		Dilution Factor: 1				
Copper	16.3	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L018X1AP
		Dilution Factor: 1				
Nickel	3.2	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AG
		Dilution Factor: 1				
Lead	2.0	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AN
		Dilution Factor: 1				
Zinc	113	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L018X1AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW1 05 10 (COMP)

General Chemistry

Lot-Sample #...: A0E050439-019 Work Order #...: L018X Matrix.....: WG
 Date Sampled...: 05/04/10 17:10 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F	05/19/10	0139352
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/18/10	0138316
		Dilution Factor: 1				
Total Suspended Solids	9.0	4.0	mg/L	SM18 2540 D	05/11/10	0131120
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E050439-020

Matrix.....: WG

Date Sampled...: 05/04/10 18:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AE
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L01821AP
		Dilution Factor: 1				
Nickel	11.7	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AG
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AN
		Dilution Factor: 1				
Zinc	21.6	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L01821AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 05 10 (COMP)

General Chemistry

Lot-Sample #...: A0E050439-020 Work Order #...: L0182 Matrix.....: WG
 Date Sampled...: 05/04/10 18:00 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F	05/19/10	0139352
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/18/10	0138316
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/11/10	0131120
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-021 Work Order #...: L01831AE Matrix.....: WG
 Date Sampled...: 05/04/10 09:49 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	21	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-021 Work Order #...: L01831AE Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D7 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-021 Work Order #....: L01831AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: D7 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-021

Matrix.....: WG

Date Sampled...: 05/04/10 09:49 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D7 05 10

General Chemistry

Lot-Sample #...: A0E050439-021 Work Order #...: L0183 Matrix.....: WG
Date Sampled...: 05/04/10 09:49 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D5 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-022 Work Order #...: L019A1AE Matrix.....: WG
 Date Sampled...: 05/04/10 12:35 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D5 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-022 Work Order #...: L019A1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: D5 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-022 Work Order #...: L019A1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: D5 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-022

Matrix.....: WG

Date Sampled...: 05/04/10 12:35 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L019A1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L019A1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L019A1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L019A1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D5 05 10

General Chemistry

Lot-Sample #...: A0E050439-022 Work Order #...: L019A Matrix.....: WG
Date Sampled...: 05/04/10 12:35 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D4 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-023 Work Order #....: L019G1AE Matrix.....: WG
 Date Sampled....: 05/04/10 15:01 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #....: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: D4 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-023 Work Order #....: L019G1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: D4 05 10

GC/MS Volatiles

Lot-Sample #....: A0E050439-023 Work Order #....: L019G1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: D4 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-023

Matrix.....: WG

Date Sampled...: 05/04/10 15:01 Date Received...: 05/05/10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L019G1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L019G1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L019G1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L019G1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: D4 05 10

General Chemistry

Lot-Sample #...: A0E050439-023 Work Order #...: L019G Matrix.....: WG
Date Sampled...: 05/04/10 15:01 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	0.083	0.040	mg/L	MCAWW 420.1	05/21/10	0141226
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-100 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-024 Work Order #...: L019J1AE Matrix.....: WG
 Date Sampled...: 05/04/10 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-100 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-024 Work Order #...: L019J1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: MW-100 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-024 Work Order #...: L019J1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-100 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-024

Matrix.....: WG

Date Sampled...: 05/04/10

Date Received...: 05/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/13/10	L019J1AH
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/13/10	L019J1AF
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/13/10	L019J1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/13/10	L019J1AG
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: MW-100 05 10

General Chemistry

Lot-Sample #....: A0E050439-024
Date Sampled....: 05/04/10

Work Order #....: L019J
Date Received...: 05/05/10

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/20/10	0140296
		Dilution Factor: 1				

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1EX81AA Matrix.....: WATER
 MB Lot-Sample #: A0E120000-424
 Prep Date.....: 05/11/10
 Analysis Date...: 05/11/10 Prep Batch #...: 0132424
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	102	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	85	(81 - 112)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E050439
 MB Lot-Sample #: A0E130000-306

Work Order #...: L1F9H1AA

Matrix.....: WATER

Analysis Date...: 05/12/10

Prep Date.....: 05/12/10

Dilution Factor: 1

Prep Batch #...: 0133306

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- 2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E050439

Work Order #...: L1F9H1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: A0E050439

Work Order #....: L1F9H1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
Dibromofluoromethane	102	(73 - 122)		
1,2-Dichloroethane-d4	91	(61 - 128)		
Toluene-d8	97	(76 - 110)		
4-Bromofluorobenzene	97	(74 - 116)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E050439
 MB Lot-Sample #: A0E140000-166

Work Order #...: L1HL61AA

Matrix.....: WATER

Analysis Date...: 05/12/10

Prep Date.....: 05/12/10

Dilution Factor: 1

Prep Batch #...: 0134166

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- 2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E050439

Work Order #...: L1HL61AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E050439

Work Order #...: L1HL61AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
Dibromofluoromethane	99	(73 - 122)		
1,2-Dichloroethane-d4	86	(61 - 128)		
Toluene-d8	96	(76 - 110)		
4-Bromofluorobenzene	96	(74 - 116)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0E050439
 MB Lot-Sample #: A0E100000-039

Work Order #...: L09D81AA

Matrix.....: WATER

Analysis Date...: 05/17/10

Prep Date.....: 05/10/10

Dilution Factor: 1

Prep Batch #...: 0130039

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
o-Cresol	ND	10	ug/L	CFR136A 625
m-Cresol	ND	10	ug/L	CFR136A 625
p-Cresol	ND	10	ug/L	CFR136A 625
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)- ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	10	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0E050439

Work Order #...: L09D81AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta- diene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	10	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro- benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro- phenol	ND	10	ug/L	CFR136A 625

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	67	(10 - 135)
Phenol-d5	66	(10 - 132)
2,4,6-Tribromophenol	66	(10 - 142)
2-Fluorobiphenyl	59	(38 - 110)
Terphenyl-d14	78	(24 - 135)
Nitrobenzene-d5	68	(44 - 110)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0E050439
 MB Lot-Sample #: A0E110000-044

Work Order #...: L1ANJ1AA

Matrix.....: WATER

Analysis Date...: 05/13/10

Prep Date.....: 05/11/10

Dilution Factor: 1

Prep Batch #...: 0131044

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.050	ug/L	CFR136A 608
4,4'-DDE	ND	0.050	ug/L	CFR136A 608
4,4'-DDT	ND	0.050	ug/L	CFR136A 608
Dieldrin	ND	0.050	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.050	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.050	ug/L	CFR136A 608
Endrin	ND	0.050	ug/L	CFR136A 608
Endrin aldehyde	ND	0.050	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	2.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	79	(10 - 151)
Decachlorobiphenyl	77	(10 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0E050439
MB Lot-Sample #: A0E110000-045

Work Order #...: L1ANK1AA

Matrix.....: WATER

Analysis Date...: 05/12/10
Dilution Factor: 1

Prep Date.....: 05/11/10

Prep Batch #...: 0131045

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	1.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	88	(15 - 131)
Decachlorobiphenyl	85	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A0E050439

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A0E100000-013 Prep Batch #...: 0130013						
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AL
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AE
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AF
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AH
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L09C81AP
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AG
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AM
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AA
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AN
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AJ
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
MB Lot-Sample #: A0E070000-015 Prep Batch #...: 0127015						
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L051K1AE
		Dilution Factor: 1				
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L051K1AC
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L051K1AD
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L051K1AA
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Work Order #: L1MMG1AA MB Lot-Sample #: A0E180000-085				
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Work Order #: L1MMJ1AA MB Lot-Sample #: A0E180000-086				
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
		Work Order #: L09XD1AA MB Lot-Sample #: A0E050000-386				
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
		Work Order #: L1MDT1AA MB Lot-Sample #: A0E170000-418				
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/18/10	0138328
		Work Order #: L1N1V1AA MB Lot-Sample #: A0E180000-328				
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	05/19/10	0139352
		Work Order #: L1QQQ1AA MB Lot-Sample #: A0E190000-352				
		Dilution Factor: 1				
Total phosphorus	ND	0.1	mg/L	SM18 4500-P E	05/18/10	0138316
		Work Order #: L1N0T1AA MB Lot-Sample #: A0E180000-316				
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/18/10	0138329
		Work Order #: L1N2W1AA MB Lot-Sample #: A0E180000-329				
		Dilution Factor: 1				
Total Phenols	ND	0.040	mg/L	MCAWW 420.1	05/19/10	0139393
		Work Order #: L1Q5R1AA MB Lot-Sample #: A0E190000-393				
		Dilution Factor: 1				
Total Phenols	0.056	0.040	mg/L	MCAWW 420.1	05/20/10	0140296
		Work Order #: L1TVM1AA MB Lot-Sample #: A0E200000-296				
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Phenols	ND	Work Order #: L1WG91AA 0.040	mg/L	MB Lot-Sample #: A0E210000-226 MCAWW 420.1	05/21/10	0141226
		Dilution Factor: 1				
Total Suspended Solids	ND	Work Order #: L1ATL1AA 4.0	mg/L	MB Lot-Sample #: A0E110000-120 SM18 2540 D	05/11/10	0131120
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A0E050439 Work Order #....: L1EX81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E120000-424
 Prep Date.....: 05/11/10 Analysis Date...: 05/11/10
 Prep Batch #....: 0132424
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	107	(54 - 156)	CFR136A 624
Benzene	107	(37 - 151)	CFR136A 624
Bromoform	99	(45 - 169)	CFR136A 624
Bromomethane	72	(10 - 242)	CFR136A 624
Carbon tetrachloride	114	(70 - 140)	CFR136A 624
Chlorobenzene	105	(37 - 160)	CFR136A 624
Chlorodibromomethane	97	(53 - 149)	CFR136A 624
Chloroethane	74	(14 - 230)	CFR136A 624
Chloroform	112	(51 - 138)	CFR136A 624
Chloromethane	82	(10 - 273)	CFR136A 624
Dichlorobromomethane	113	(35 - 155)	CFR136A 624
1,1-Dichloroethane	109	(59 - 155)	CFR136A 624
1,2-Dichloroethane	104	(49 - 155)	CFR136A 624
1,1-Dichloroethene	107	(10 - 234)	CFR136A 624
1,2-Dichloropropane	108	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	92	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	84	(17 - 183)	CFR136A 624
Ethylbenzene	100	(37 - 162)	CFR136A 624
Methylene chloride	62	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	91	(46 - 157)	CFR136A 624
Tetrachloroethene	121	(64 - 148)	CFR136A 624
Toluene	106	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	104	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	99	(52 - 150)	CFR136A 624
Trichloroethene	119	(71 - 157)	CFR136A 624
Vinyl chloride	83	(10 - 251)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	112	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	98	(81 - 112)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1EX81AC Matrix.....: WATER
LCS Lot-Sample#: A0E120000-424

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD
 Prep Date.....: 05/12/10 Analysis Date..: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Chloromethane	74	(48 - 123)			SW846 8260B
	68	(48 - 123)	8.6	(0-30)	SW846 8260B
Bromomethane	109	(64 - 129)			SW846 8260B
	90	(64 - 129)	19	(0-30)	SW846 8260B
Vinyl chloride	85	(61 - 120)			SW846 8260B
	80	(61 - 120)	6.1	(0-30)	SW846 8260B
Chloroethane	94	(66 - 126)			SW846 8260B
	78	(66 - 126)	18	(0-30)	SW846 8260B
Methylene chloride	102	(78 - 118)			SW846 8260B
	93	(78 - 118)	9.0	(0-30)	SW846 8260B
Acetone	107	(22 - 200)			SW846 8260B
	101	(22 - 200)	5.9	(0-95)	SW846 8260B
Carbon disulfide	96	(73 - 139)			SW846 8260B
	90	(73 - 139)	7.2	(0-30)	SW846 8260B
1,1-Dichloroethene	111	(63 - 130)			SW846 8260B
	103	(63 - 130)	7.5	(0-20)	SW846 8260B
1,1-Dichloroethane	96	(86 - 123)			SW846 8260B
	93	(86 - 123)	3.5	(0-30)	SW846 8260B
Chloroform	95	(84 - 128)			SW846 8260B
	91	(84 - 128)	3.5	(0-30)	SW846 8260B
1,2-Dichloroethane	89	(79 - 136)			SW846 8260B
	91	(79 - 136)	1.7	(0-30)	SW846 8260B
Methyl ethyl ketone	91	(28 - 237)			SW846 8260B
	95	(28 - 237)	3.7	(0-65)	SW846 8260B
1,1,1-Trichloroethane	94	(78 - 140)			SW846 8260B
	90	(78 - 140)	4.7	(0-30)	SW846 8260B
Carbon tetrachloride	90	(75 - 149)			SW846 8260B
	87	(75 - 149)	3.1	(0-30)	SW846 8260B
Bromodichloromethane	84 a	(87 - 130)			SW846 8260B
	86 a	(87 - 130)	1.5	(0-30)	SW846 8260B
1,2-Dichloropropane	93	(82 - 115)			SW846 8260B
	96	(82 - 115)	2.9	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	82 a	(84 - 130)			SW846 8260B
	88	(84 - 130)	8.0	(0-30)	SW846 8260B
Trichloroethene	99	(75 - 122)			SW846 8260B
	99	(75 - 122)	0.48	(0-20)	SW846 8260B
Chlorodibromomethane	78 a	(81 - 138)			SW846 8260B
	79 a	(81 - 138)	1.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(83 - 122)			SW846 8260B
	92	(83 - 122)	2.3	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	96	(80 - 116)			SW846 8260B
	94	(80 - 116)	1.4	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	77 a	(84 - 130)			SW846 8260B
	82 a	(84 - 130)	6.3	(0-30)	SW846 8260B
Bromoform	73 a	(76 - 150)			SW846 8260B
	71 a	(76 - 150)	3.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	90	(78 - 141)			SW846 8260B
	98	(78 - 141)	8.3	(0-32)	SW846 8260B
2-Hexanone	80	(35 - 200)			SW846 8260B
	83	(35 - 200)	4.5	(0-52)	SW846 8260B
Tetrachloroethene	98	(88 - 113)			SW846 8260B
	95	(88 - 113)	2.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	83 a	(85 - 118)			SW846 8260B
	87	(85 - 118)	5.2	(0-30)	SW846 8260B
Toluene	91	(74 - 119)			SW846 8260B
	91	(74 - 119)	0.55	(0-20)	SW846 8260B
Chlorobenzene	95	(76 - 117)			SW846 8260B
	96	(76 - 117)	0.67	(0-20)	SW846 8260B
Ethylbenzene	96	(86 - 116)			SW846 8260B
	95	(86 - 116)	1.3	(0-30)	SW846 8260B
Styrene	96	(85 - 117)			SW846 8260B
	94	(85 - 117)	2.2	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(85 - 113)			SW846 8260B
	94	(85 - 113)	6.4	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	104	(80 - 120)			SW846 8260B
	98	(80 - 120)	5.7	(0-30)	SW846 8260B
Dichlorodifluoromethane	54 a	(70 - 130)			SW846 8260B
	49 a	(70 - 130)	9.1	(0-30)	SW846 8260B
Trichlorofluoromethane	98	(70 - 130)			SW846 8260B
	81	(70 - 130)	18	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	125	(70 - 130)			SW846 8260B
	119	(70 - 130)	5.5	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	107	(70 - 130)			SW846 8260B
	98	(70 - 130)	8.1	(0-30)	SW846 8260B
1,2-Dibromoethane	91	(70 - 130)			SW846 8260B
	95	(70 - 130)	3.6	(0-30)	SW846 8260B
Isopropylbenzene	95	(70 - 130)			SW846 8260B
	89	(70 - 130)	6.3	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	95	(70 - 130)	2.7	(0-30)	SW846 8260B
1,4-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.3	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	79	(70 - 130)			SW846 8260B
	80	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	103	(70 - 130)			SW846 8260B
	101	(70 - 130)	2.5	(0-30)	SW846 8260B
o-Xylene	99	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.8	(0-30)	SW846 8260B
m-Xylene & p-Xylene	97	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.4	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	86	(70 - 130)			SW846 8260B
	92	(70 - 130)	6.6	(0-30)	SW846 8260B
Acrolein	108	(50 - 130)			SW846 8260B
	100	(50 - 130)	7.0	(0-30)	SW846 8260B
Vinyl acetate	98	(70 - 130)			SW846 8260B
	99	(70 - 130)	1.6	(0-30)	SW846 8260B
Acrylonitrile	98	(50 - 130)			SW846 8260B
	97	(50 - 130)	1.4	(0-30)	SW846 8260B
Bromobenzene	93	(70 - 130)			SW846 8260B
	99	(70 - 130)	6.4	(0-30)	SW846 8260B
Bromochloromethane	102	(70 - 130)			SW846 8260B
	99	(70 - 130)	3.6	(0-30)	SW846 8260B
n-Butylbenzene	87	(70 - 130)			SW846 8260B
	86	(70 - 130)	2.0	(0-30)	SW846 8260B
sec-Butylbenzene	89	(70 - 130)			SW846 8260B
	91	(70 - 130)	2.3	(0-30)	SW846 8260B
tert-Butylbenzene	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.54	(0-30)	SW846 8260B
2-Chlorotoluene	92	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.8	(0-30)	SW846 8260B
4-Chlorotoluene	92	(70 - 130)			SW846 8260B
	96	(70 - 130)	4.5	(0-30)	SW846 8260B
Dibromomethane	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.30	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

<u>PARAMETER</u>	PERCENT	RECOVERY		RPD	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
1,3-Dichloropropane	91	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.9	(0-30)	
2,2-Dichloropropane	91	(70 - 130)			SW846 8260B
	84	(70 - 130)	7.8	(0-30)	
1,1-Dichloropropene	96	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.1	(0-30)	
Hexachlorobutadiene	80	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.020	(0-30)	
Iodomethane	115	(70 - 130)			SW846 8260B
	105	(70 - 130)	9.3	(0-30)	
p-Isopropyltoluene	94	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.89	(0-30)	
Naphthalene	97	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.9	(0-30)	
n-Propylbenzene	95	(70 - 130)			SW846 8260B
	98	(70 - 130)	3.7	(0-30)	
1,1,1,2-Tetrachloroethane	91	(70 - 130)			SW846 8260B
	83	(70 - 130)	8.4	(0-30)	
1,2,3-Trichlorobenzene	105	(70 - 130)			SW846 8260B
	100	(70 - 130)	4.6	(0-30)	
1,2,3-Trichloropropane	96	(70 - 130)			SW846 8260B
	101	(70 - 130)	5.3	(0-30)	
1,2,4-Trimethylbenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	0.77	(0-30)	
1,3,5-Trimethylbenzene	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.0	(0-30)	

<u>SURROGATE</u>	PERCENT	RECOVERY
	<u>RECOVERY</u>	<u>LIMITS</u>
Dibromofluoromethane	104	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	91	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	94	(74 - 116)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A0E050439 Work Order #....: L1HL61AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #....: 0134166
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Chloromethane	69	(48 - 123)			SW846 8260B
	66	(48 - 123)	5.2	(0-30)	SW846 8260B
Bromomethane	98	(64 - 129)			SW846 8260B
	88	(64 - 129)	10	(0-30)	SW846 8260B
Vinyl chloride	78	(61 - 120)			SW846 8260B
	77	(61 - 120)	1.2	(0-30)	SW846 8260B
Chloroethane	81	(66 - 126)			SW846 8260B
	76	(66 - 126)	6.6	(0-30)	SW846 8260B
Methylene chloride	95	(78 - 118)			SW846 8260B
	95	(78 - 118)	0.20	(0-30)	SW846 8260B
Acetone	95	(22 - 200)			SW846 8260B
	96	(22 - 200)	1.4	(0-95)	SW846 8260B
Carbon disulfide	89	(73 - 139)			SW846 8260B
	89	(73 - 139)	0.57	(0-30)	SW846 8260B
1,1-Dichloroethene	104	(63 - 130)			SW846 8260B
	102	(63 - 130)	2.2	(0-20)	SW846 8260B
1,1-Dichloroethane	93	(86 - 123)			SW846 8260B
	92	(86 - 123)	0.79	(0-30)	SW846 8260B
Chloroform	91	(84 - 128)			SW846 8260B
	89	(84 - 128)	1.7	(0-30)	SW846 8260B
1,2-Dichloroethane	85	(79 - 136)			SW846 8260B
	87	(79 - 136)	2.2	(0-30)	SW846 8260B
Methyl ethyl ketone	91	(28 - 237)			SW846 8260B
	93	(28 - 237)	2.5	(0-65)	SW846 8260B
1,1,1-Trichloroethane	88	(78 - 140)			SW846 8260B
	86	(78 - 140)	1.9	(0-30)	SW846 8260B
Carbon tetrachloride	83	(75 - 149)			SW846 8260B
	83	(75 - 149)	0.68	(0-30)	SW846 8260B
Bromodichloromethane	81 a	(87 - 130)			SW846 8260B
	82 a	(87 - 130)	1.4	(0-30)	SW846 8260B
1,2-Dichloropropane	90	(82 - 115)			SW846 8260B
	94	(82 - 115)	4.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	80 a	(84 - 130)			SW846 8260B
	84	(84 - 130)	4.8	(0-30)	SW846 8260B
Trichloroethene	99	(75 - 122)			SW846 8260B
	100	(75 - 122)	0.34	(0-20)	SW846 8260B
Chlorodibromomethane	77 a	(81 - 138)			SW846 8260B
	78 a	(81 - 138)	0.93	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(83 - 122)			SW846 8260B
	96	(83 - 122)	3.9	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1HL61AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	94	(80 - 116)			SW846 8260B
	94	(80 - 116)	0.26	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	76 a	(84 - 130)			SW846 8260B
	80 a	(84 - 130)	4.4	(0-30)	SW846 8260B
Bromoform	69 a	(76 - 150)			SW846 8260B
	70 a	(76 - 150)	1.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	93	(78 - 141)			SW846 8260B
	90	(78 - 141)	3.0	(0-32)	SW846 8260B
2-Hexanone	84	(35 - 200)			SW846 8260B
	82	(35 - 200)	2.7	(0-52)	SW846 8260B
Tetrachloroethene	99	(88 - 113)			SW846 8260B
	100	(88 - 113)	0.96	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	86	(85 - 118)			SW846 8260B
	85	(85 - 118)	2.2	(0-30)	SW846 8260B
Toluene	92	(74 - 119)			SW846 8260B
	94	(74 - 119)	2.2	(0-20)	SW846 8260B
Chlorobenzene	93	(76 - 117)			SW846 8260B
	95	(76 - 117)	2.5	(0-20)	SW846 8260B
Ethylbenzene	95	(86 - 116)			SW846 8260B
	97	(86 - 116)	1.7	(0-30)	SW846 8260B
Styrene	94	(85 - 117)			SW846 8260B
	96	(85 - 117)	1.8	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	97	(85 - 113)			SW846 8260B
	96	(85 - 113)	1.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	99	(80 - 120)			SW846 8260B
	99	(80 - 120)	0.18	(0-30)	SW846 8260B
Dichlorodifluoromethane	45 a	(70 - 130)			SW846 8260B
	44 a	(70 - 130)	2.4	(0-30)	SW846 8260B
Trichlorofluoromethane	81	(70 - 130)			SW846 8260B
	76	(70 - 130)	6.6	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	113	(70 - 130)			SW846 8260B
	111	(70 - 130)	1.9	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	101	(70 - 130)			SW846 8260B
	96	(70 - 130)	5.5	(0-30)	SW846 8260B
1,2-Dibromoethane	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	1.2	(0-30)	SW846 8260B
Isopropylbenzene	92	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.0	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L09D81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E100000-039
 Prep Date.....: 05/10/10 Analysis Date...: 05/17/10
 Prep Batch #...: 0130039
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	72	(54 - 110)	CFR136A 625
Acenaphthylene	75	(52 - 110)	CFR136A 625
Anthracene	73	(54 - 110)	CFR136A 625
Benzo (a) anthracene	76	(48 - 112)	CFR136A 625
Benzo (a) pyrene	65	(51 - 111)	CFR136A 625
Benzo (b) fluoranthene	76	(55 - 110)	CFR136A 625
Benzo (ghi) perylene	76	(45 - 113)	CFR136A 625
Benzo (k) fluoranthene	75	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl ether	74	(56 - 110)	CFR136A 625
Butyl benzyl phthalate	74	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy) methane	74	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	76	(63 - 115)	CFR136A 625
bis(2-Chloroisopropyl) ether	77	(55 - 120)	CFR136A 625
p-Chloro-m-cresol	78	(58 - 110)	CFR136A 625
2-Chloronaphthalene	70	(50 - 110)	CFR136A 625
2-Chlorophenol	77	(60 - 110)	CFR136A 625
4-Chlorophenyl phenyl ether	75	(57 - 110)	CFR136A 625
Chrysene	74	(53 - 118)	CFR136A 625
Dibenz (a, h) anthracene	78	(51 - 114)	CFR136A 625
Di-n-butyl phthalate	76	(49 - 110)	CFR136A 625
1,2-Dichlorobenzene	64	(38 - 110)	CFR136A 625
1,3-Dichlorobenzene	61	(33 - 110)	CFR136A 625
1,4-Dichlorobenzene	69	(35 - 110)	CFR136A 625
3,3'-Dichlorobenzidine	52	(19 - 110)	CFR136A 625
2,4-Dichlorophenol	75	(63 - 110)	CFR136A 625
Diethyl phthalate	68	(10 - 117)	CFR136A 625
2,4-Dimethylphenol	60	(10 - 115)	CFR136A 625
Dimethyl phthalate	50	(10 - 115)	CFR136A 625
4,6-Dinitro- 2-methylphenol	70	(10 - 138)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L09D81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E100000-039

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,4-Dinitrophenol	57	(10 - 135)	CFR136A 625
2,4-Dinitrotoluene	82	(55 - 112)	CFR136A 625
2,6-Dinitrotoluene	84	(63 - 117)	CFR136A 625
Di-n-octyl phthalate	70	(51 - 135)	CFR136A 625
bis(2-Ethylhexyl) phthalate	75	(50 - 134)	CFR136A 625
Fluoranthene	76	(55 - 112)	CFR136A 625
Fluorene	75	(55 - 110)	CFR136A 625
Hexachlorobenzene	73	(53 - 113)	CFR136A 625
Hexachlorobutadiene	54	(31 - 110)	CFR136A 625
Hexachloroethane	57	(26 - 110)	CFR136A 625
Indeno(1,2,3-cd)pyrene	72	(43 - 118)	CFR136A 625
Isophorone	79	(58 - 110)	CFR136A 625
Naphthalene	74	(48 - 111)	CFR136A 625
Nitrobenzene	78	(64 - 110)	CFR136A 625
2-Nitrophenol	76	(50 - 118)	CFR136A 625
4-Nitrophenol	74	(10 - 132)	CFR136A 625
N-Nitrosodi-n-propyl- amine	81	(57 - 110)	CFR136A 625
Pentachlorophenol	80	(10 - 131)	CFR136A 625
Phenanthrene	72	(54 - 110)	CFR136A 625
Phenol	78	(17 - 130)	CFR136A 625
Pyrene	73	(48 - 122)	CFR136A 625
1,2,4-Trichloro- benzene	62	(42 - 112)	CFR136A 625
2,4,6-Trichloro- phenol	77	(54 - 110)	CFR136A 625

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	74	(10 - 135)
Phenol-d5	74	(10 - 132)
2,4,6-Tribromophenol	78	(10 - 142)
2-Fluorobiphenyl	67	(38 - 110)
Terphenyl-d14	79	(24 - 135)
Nitrobenzene-d5	75	(44 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L09D81AC Matrix.....: WATER
LCS Lot-Sample#: A0E100000-039

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L1ANJ1AC Matrix.....: WATER
 LCS Lot-Sample#: A0E110000-044
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0131044
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aldrin	88	(42 - 122)	CFR136A 608
alpha-BHC	94	(37 - 134)	CFR136A 608
beta-BHC	97	(17 - 147)	CFR136A 608
delta-BHC	85	(19 - 140)	CFR136A 608
gamma-BHC (Lindane)	93	(32 - 127)	CFR136A 608
4,4'-DDD	93	(31 - 141)	CFR136A 608
4,4'-DDE	87	(30 - 145)	CFR136A 608
4,4'-DDT	82	(25 - 160)	CFR136A 608
Dieldrin	91	(36 - 146)	CFR136A 608
Endosulfan I	57	(45 - 153)	CFR136A 608
Endosulfan II	65	(10 - 202)	CFR136A 608
Endosulfan sulfate	90	(26 - 144)	CFR136A 608
Endrin	68	(30 - 147)	CFR136A 608
Heptachlor	89	(34 - 111)	CFR136A 608
Heptachlor epoxide	89	(37 - 142)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	94	(10 - 151)
Decachlorobiphenyl	51	(10 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L1ANK1AC Matrix.....: WATER
 LCS Lot-Sample#: A0E110000-045
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0131045
 Dilution Factor: 2

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
Aroclor 1016	98	(50 - 114)	CFR136A 608
Aroclor 1260	97	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Tetrachloro-m-xylene	85	(15 - 131)
Decachlorobiphenyl	56	(10 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A0E100000-013 Prep Batch #...: 0130013					
Silver	97	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AQ
Arsenic	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AR
Cadmium	94	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AT
Chromium	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AU
Copper	99	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AV
Nickel	98	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AW
Lead	87	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AX
Zinc	104	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AO
Beryllium	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A1
Antimony	91	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A2
Selenium	93	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A3
Thallium	88	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/12/10	L09C81A4
Mercury	89	(85 - 115)	MCAWW 245.1 Dilution Factor: 1	05/10-05/11/10	L09C81A5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A0E070000-015 Prep Batch #... : 0127015					
Nickel	108	(80 - 120)	SW846 6010B	05/11-05/12/10	L051K1AF
		Dilution Factor: 1			
Chromium	102	(80 - 120)	SW846 6010B	05/11-05/12/10	L051K1AG
		Dilution Factor: 1			
Lead	108	(80 - 120)	SW846 6010B	05/11-05/12/10	L051K1AH
		Dilution Factor: 1			
Arsenic	104	(80 - 120)	SW846 6010B	05/11-05/12/10	L051K1AJ
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material		WO#:L1MMG1AC-LCS/L1MMG1AD-LCSD		LCS Lot-Sample#: A0E180000-085			
	99	(78 - 114)			CFR136A 1664A HEM	05/18/10	0138085
	92	(78 - 114)	7.6	(0-11)	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1					
n-Hexane Extractable Material, SGT		WO#:L1MMJ1AC-LCS/L1MMJ1AD-LCSD		LCS Lot-Sample#: A0E180000-086			
	84	(64 - 132)			CFR136A 1664A SGT	05/18/10	0138086
	85	(64 - 132)	0.59	(0-28)	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1					
Biochemical Oxygen Demand (BOD)		WO#:L09XD1AC-LCS/L09XD1AD-LCSD		LCS Lot-Sample#: A0E050000-386			
	97	(85 - 115)			SM18 5210 B	05/05-05/10/10	0125386
	88	(85 - 115)	9.5	(0-20)	SM18 5210 B	05/05-05/10/10	0125386
		Dilution Factor: 1					
Total Phenols		WO#:L1TVM1AC-LCS/L1TVM1AD-LCSD		LCS Lot-Sample#: A0E200000-296			
	98	(54 - 137)			MCAWW 420.1	05/20/10	0140296
	95	(54 - 137)	2.8	(0-20)	MCAWW 420.1	05/20/10	0140296
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E050439

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total	96	Work Order #: L1MDT1AC (69 - 118)	LCS Lot-Sample#: A0E170000-418 SW846 9012A	05/17/10	0137418
		Dilution Factor: 1			
Cyanide, Total	93	Work Order #: L1N1V1AC (69 - 118)	LCS Lot-Sample#: A0E180000-328 SW846 9012A	05/18/10	0138328
		Dilution Factor: 1			
Nitrogen, as Ammonia	104	Work Order #: L1QQQ1AC (85 - 114)	LCS Lot-Sample#: A0E190000-352 SM18 4500NH3-F	05/19/10	0139352
		Dilution Factor: 1			
Total phosphorus	103	Work Order #: L1N0T1AC (53 - 134)	LCS Lot-Sample#: A0E180000-316 SM18 4500-P E	05/18/10	0138316
		Dilution Factor: 1			
Total Cyanide	93	Work Order #: L1N2W1AC (69 - 118)	LCS Lot-Sample#: A0E180000-329 SM18 4500-CN E	05/18/10	0138329
		Dilution Factor: 1			
Total Phenols	93	Work Order #: L1Q5R1AC (54 - 137)	LCS Lot-Sample#: A0E190000-393 MCAWW 420.1	05/19/10	0139393
		Dilution Factor: 1			
Total Phenols	77	Work Order #: L1WG91AC (54 - 137)	LCS Lot-Sample#: A0E210000-226 MCAWW 420.1	05/21/10	0141226
		Dilution Factor: 1			
Total Suspended Solids	93	Work Order #: L1ATL1AC (73 - 113)	LCS Lot-Sample#: A0E110000-120 SM18 2540 D	05/11/10	0131120
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix.....: WATER
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD
 Date Sampled...: 05/05/10 11:45 Date Received...: 05/07/10
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133306
 Dilution Factor: 5.71

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,1-Dichloroethene	107	(62 - 130)			SW846 8260B
	101	(62 - 130)	6.2	(0-20)	SW846 8260B
Chloromethane	72	(40 - 137)			SW846 8260B
	66	(40 - 137)	8.9	(0-39)	SW846 8260B
Bromomethane	109	(55 - 145)			SW846 8260B
	89	(55 - 145)	20	(0-30)	SW846 8260B
Vinyl chloride	82 a	(88 - 126)			SW846 8260B
	77 a	(88 - 126)	6.2	(0-30)	SW846 8260B
Chloroethane	94	(59 - 142)			SW846 8260B
	76	(59 - 142)	20	(0-30)	SW846 8260B
Methylene chloride	103	(82 - 115)			SW846 8260B
	95	(82 - 115)	8.0	(0-30)	SW846 8260B
Acetone	98	(45 - 128)			SW846 8260B
	99	(45 - 128)	1.4	(0-30)	SW846 8260B
Carbon disulfide	93	(69 - 138)			SW846 8260B
	87	(69 - 138)	6.8	(0-41)	SW846 8260B
1,1-Dichloroethane	97	(88 - 127)			SW846 8260B
	93	(88 - 127)	4.2	(0-30)	SW846 8260B
Chloroform	92	(83 - 141)			SW846 8260B
	89	(83 - 141)	3.5	(0-30)	SW846 8260B
1,2-Dichloroethane	87	(71 - 160)			SW846 8260B
	86	(71 - 160)	1.5	(0-30)	SW846 8260B
Methyl ethyl ketone	94	(71 - 123)			SW846 8260B
	93	(71 - 123)	0.77	(0-30)	SW846 8260B
1,1,1-Trichloroethane	92	(71 - 162)			SW846 8260B
	87	(71 - 162)	4.7	(0-30)	SW846 8260B
Carbon tetrachloride	82	(63 - 176)			SW846 8260B
	80	(63 - 176)	2.5	(0-30)	SW846 8260B
Bromodichloromethane	83	(80 - 146)			SW846 8260B
	82	(80 - 146)	1.2	(0-30)	SW846 8260B
1,2-Dichloropropane	93	(87 - 114)			SW846 8260B
	94	(87 - 114)	0.78	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	79 a	(82 - 130)			SW846 8260B
	83	(82 - 130)	4.2	(0-30)	SW846 8260B
Trichloroethene	75	(62 - 130)			SW846 8260B
	82	(62 - 130)	2.0	(0-20)	SW846 8260B
Chlorodibromomethane	76	(71 - 158)			SW846 8260B
	75	(71 - 158)	0.94	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(86 - 129)			SW846 8260B
	93	(86 - 129)	0.21	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix.....: WATER
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	94	(78 - 118)			SW846 8260B
	93	(78 - 118)	1.5	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	74	(73 - 147)			SW846 8260B
	76	(73 - 147)	2.2	(0-30)	SW846 8260B
Bromoform	70	(58 - 176)			SW846 8260B
	71	(58 - 176)	2.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	95	(82 - 135)			SW846 8260B
	95	(82 - 135)	0.95	(0-30)	SW846 8260B
2-Hexanone	81	(81 - 128)			SW846 8260B
	85	(81 - 128)	3.8	(0-30)	SW846 8260B
Tetrachloroethene	92	(85 - 121)			SW846 8260B
	93	(85 - 121)	0.99	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	87 a	(88 - 116)			SW846 8260B
	88	(88 - 116)	1.4	(0-30)	SW846 8260B
Toluene	91	(70 - 119)			SW846 8260B
	91	(70 - 119)	0.0	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 117)			SW846 8260B
	94	(76 - 117)	0.14	(0-20)	SW846 8260B
Ethylbenzene	92	(86 - 132)			SW846 8260B
	93	(86 - 132)	0.92	(0-30)	SW846 8260B
Styrene	92	(83 - 120)			SW846 8260B
	93	(83 - 120)	0.49	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(87 - 114)			SW846 8260B
	95	(87 - 114)	4.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	100	(85 - 116)			SW846 8260B
	93	(85 - 116)	4.4	(0-30)	SW846 8260B
Dichlorodifluoromethane	45 a	(70 - 130)			SW846 8260B
	42 a	(70 - 130)	7.1	(0-30)	SW846 8260B
Trichlorofluoromethane	86	(70 - 130)			SW846 8260B
	71	(70 - 130)	19	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	110	(70 - 130)			SW846 8260B
	104	(70 - 130)	5.5	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	103	(70 - 130)			SW846 8260B
	96	(70 - 130)	6.9	(0-30)	SW846 8260B
1,2-Dibromoethane	92	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.35	(0-30)	SW846 8260B
Isopropylbenzene	89	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.9	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix.....: WATER
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	91	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.71	(0-30)	SW846 8260B
1,4-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.93	(0-30)	SW846 8260B
1,2-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	78	(70 - 130)			SW846 8260B
	78	(70 - 130)	0.61	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	100	(70 - 130)			SW846 8260B
	99	(70 - 130)	0.96	(0-30)	SW846 8260B
o-Xylene	95	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.6	(0-30)	SW846 8260B
m-Xylene & p-Xylene	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.0	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acrolein	109	(50 - 130)			SW846 8260B
	103	(50 - 130)	5.2	(0-30)	SW846 8260B
Acrylonitrile	100	(50 - 130)			SW846 8260B
	99	(50 - 130)	1.3	(0-30)	SW846 8260B
Vinyl acetate	99	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.99	(0-30)	SW846 8260B
Bromobenzene	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.85	(0-30)	SW846 8260B
Bromochloromethane	103	(70 - 130)			SW846 8260B
	98	(70 - 130)	5.0	(0-30)	SW846 8260B
n-Butylbenzene	80	(70 - 130)			SW846 8260B
	81	(70 - 130)	0.40	(0-30)	SW846 8260B
sec-Butylbenzene	85	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.0	(0-30)	SW846 8260B
tert-Butylbenzene	90	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.2	(0-30)	SW846 8260B
2-Chlorotoluene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.84	(0-30)	SW846 8260B
4-Chlorotoluene	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.1	(0-30)	SW846 8260B
Dibromomethane	94	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.85	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix.....: WATER
 MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.1	(0-30)	SW846 8260B
2,2-Dichloropropane	77	(70 - 130)			SW846 8260B
	73	(70 - 130)	5.6	(0-30)	SW846 8260B
1,1-Dichloropropene	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.23	(0-30)	SW846 8260B
Hexachlorobutadiene	76	(70 - 130)			SW846 8260B
	76	(70 - 130)	0.38	(0-30)	SW846 8260B
Iodomethane	116	(70 - 130)			SW846 8260B
	104	(70 - 130)	11	(0-30)	SW846 8260B
p-Isopropyltoluene	91	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.38	(0-30)	SW846 8260B
Naphthalene	97	(70 - 130)			SW846 8260B
	96	(70 - 130)	1.0	(0-30)	SW846 8260B
n-Propylbenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	1.5	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	87	(70 - 130)			SW846 8260B
	83	(70 - 130)	4.3	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	103	(70 - 130)			SW846 8260B
	100	(70 - 130)	2.1	(0-30)	SW846 8260B
1,2,3-Trichloropropane	100	(70 - 130)			SW846 8260B
	103	(70 - 130)	2.8	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	92	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.06	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.22	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	85	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)
	97	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix.....: WG
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD
 Date Sampled...: 05/04/10 15:01 Date Received...: 05/05/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134166
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	99	(62 - 130)			SW846 8260B
	105	(62 - 130)	5.4	(0-20)	SW846 8260B
Chloromethane	54	(40 - 137)			SW846 8260B
	57	(40 - 137)	6.7	(0-39)	SW846 8260B
Bromomethane	85	(55 - 145)			SW846 8260B
	99	(55 - 145)	15	(0-30)	SW846 8260B
Vinyl chloride	70 a	(88 - 126)			SW846 8260B
	76 a	(88 - 126)	7.4	(0-30)	SW846 8260B
Chloroethane	91	(59 - 142)			SW846 8260B
	96	(59 - 142)	5.7	(0-30)	SW846 8260B
Methylene chloride	93	(82 - 115)			SW846 8260B
	96	(82 - 115)	3.6	(0-30)	SW846 8260B
Acetone	87	(45 - 128)			SW846 8260B
	75	(45 - 128)	16	(0-30)	SW846 8260B
Carbon disulfide	104	(69 - 138)			SW846 8260B
	106	(69 - 138)	1.9	(0-41)	SW846 8260B
1,1-Dichloroethane	93	(88 - 127)			SW846 8260B
	96	(88 - 127)	3.6	(0-30)	SW846 8260B
Chloroform	90	(83 - 141)			SW846 8260B
	93	(83 - 141)	3.2	(0-30)	SW846 8260B
1,2-Dichloroethane	80	(71 - 160)			SW846 8260B
	83	(71 - 160)	2.7	(0-30)	SW846 8260B
Methyl ethyl ketone	86	(71 - 123)			SW846 8260B
	69 a	(71 - 123)	22	(0-30)	SW846 8260B
1,1,1-Trichloroethane	83	(71 - 162)			SW846 8260B
	88	(71 - 162)	5.5	(0-30)	SW846 8260B
Carbon tetrachloride	75	(63 - 176)			SW846 8260B
	80	(63 - 176)	6.2	(0-30)	SW846 8260B
Bromodichloromethane	80	(80 - 146)			SW846 8260B
	82	(80 - 146)	2.5	(0-30)	SW846 8260B
1,2-Dichloropropane	88	(87 - 114)			SW846 8260B
	90	(87 - 114)	1.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	62 a	(82 - 130)			SW846 8260B
	55 a	(82 - 130)	12	(0-30)	SW846 8260B
Trichloroethene	92	(62 - 130)			SW846 8260B
	95	(62 - 130)	2.6	(0-20)	SW846 8260B
Chlorodibromomethane	75	(71 - 158)			SW846 8260B
	77	(71 - 158)	2.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(86 - 129)			SW846 8260B
	90	(86 - 129)	0.35	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix.....: WG
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	91	(78 - 118)			SW846 8260B
	94	(78 - 118)	2.7	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	54 a	(73 - 147)			SW846 8260B
	47 a	(73 - 147)	14	(0-30)	SW846 8260B
Bromoform	68	(58 - 176)			SW846 8260B
	63	(58 - 176)	6.8	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	89	(82 - 135)			SW846 8260B
	77 a	(82 - 135)	15	(0-30)	SW846 8260B
2-Hexanone	83	(81 - 128)			SW846 8260B
	72 a	(81 - 128)	14	(0-30)	SW846 8260B
Tetrachloroethene	85	(85 - 121)			SW846 8260B
	90	(85 - 121)	5.8	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	83 a	(88 - 116)			SW846 8260B
	86 a	(88 - 116)	3.4	(0-30)	SW846 8260B
Toluene	84	(70 - 119)			SW846 8260B
	89	(70 - 119)	5.2	(0-20)	SW846 8260B
Chlorobenzene	90	(76 - 117)			SW846 8260B
	90	(76 - 117)	0.33	(0-20)	SW846 8260B
Ethylbenzene	86	(86 - 132)			SW846 8260B
	89	(86 - 132)	3.8	(0-30)	SW846 8260B
Styrene	85	(83 - 120)			SW846 8260B
	82 a	(83 - 120)	3.6	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	97	(87 - 114)			SW846 8260B
	100	(87 - 114)	3.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	97	(85 - 116)			SW846 8260B
	102	(85 - 116)	4.6	(0-30)	SW846 8260B
Dichlorodifluoromethane	41 a	(70 - 130)			SW846 8260B
	43 a	(70 - 130)	2.9	(0-30)	SW846 8260B
Trichlorofluoromethane	62 a	(70 - 130)			SW846 8260B
	76	(70 - 130)	19	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	101	(70 - 130)			SW846 8260B
	103	(70 - 130)	2.6	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	99	(70 - 130)			SW846 8260B
	101	(70 - 130)	2.0	(0-30)	SW846 8260B
1,2-Dibromoethane	90	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.3	(0-30)	SW846 8260B
Isopropylbenzene	80	(70 - 130)			SW846 8260B
	82	(70 - 130)	3.5	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix.....: WG
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	85	(70 - 130)			SW846 8260B
	87	(70 - 130)	1.9	(0-30)	SW846 8260B
1,4-Dichlorobenzene	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.0	(0-30)	SW846 8260B
1,2-Dichlorobenzene	88	(70 - 130)			SW846 8260B
	90	(70 - 130)	2.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	80	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.12	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	90	(70 - 130)			SW846 8260B
	90	(70 - 130)	0.27	(0-30)	SW846 8260B
o-Xylene	88	(70 - 130)			SW846 8260B
	92	(70 - 130)	3.7	(0-30)	SW846 8260B
m-Xylene & p-Xylene	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.1	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acrolein	94	(50 - 130)			SW846 8260B
	82	(50 - 130)	13	(0-30)	SW846 8260B
Acrylonitrile	96	(50 - 130)			SW846 8260B
	92	(50 - 130)	4.6	(0-30)	SW846 8260B
Vinyl acetate	79	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.16	(0-30)	SW846 8260B
Bromobenzene	91	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.88	(0-30)	SW846 8260B
Bromochloromethane	100	(70 - 130)			SW846 8260B
	104	(70 - 130)	4.1	(0-30)	SW846 8260B
n-Butylbenzene	71	(70 - 130)			SW846 8260B
	71	(70 - 130)	0.32	(0-30)	SW846 8260B
sec-Butylbenzene	74	(70 - 130)			SW846 8260B
	76	(70 - 130)	2.6	(0-30)	SW846 8260B
tert-Butylbenzene	77	(70 - 130)			SW846 8260B
	81	(70 - 130)	4.3	(0-30)	SW846 8260B
2-Chlorotoluene	83	(70 - 130)			SW846 8260B
	89	(70 - 130)	6.2	(0-30)	SW846 8260B
4-Chlorotoluene	85	(70 - 130)			SW846 8260B
	86	(70 - 130)	0.95	(0-30)	SW846 8260B
Dibromomethane	93	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.5	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix.....: WG
 MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	89	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.2	(0-30)	SW846 8260B
2,2-Dichloropropane	71	(70 - 130)			SW846 8260B
	74	(70 - 130)	4.2	(0-30)	SW846 8260B
1,1-Dichloropropene	85	(70 - 130)			SW846 8260B
	90	(70 - 130)	5.5	(0-30)	SW846 8260B
Hexachlorobutadiene	66 a	(70 - 130)			SW846 8260B
	61 a	(70 - 130)	8.0	(0-30)	SW846 8260B
Iodomethane	103	(70 - 130)			SW846 8260B
	108	(70 - 130)	4.7	(0-30)	SW846 8260B
p-Isopropyltoluene	79	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.85	(0-30)	SW846 8260B
Naphthalene	91	(70 - 130)			SW846 8260B
	89	(70 - 130)	2.0	(0-30)	SW846 8260B
n-Propylbenzene	82	(70 - 130)			SW846 8260B
	86	(70 - 130)	4.8	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	82	(70 - 130)			SW846 8260B
	88	(70 - 130)	7.1	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	92	(70 - 130)			SW846 8260B
	88	(70 - 130)	4.4	(0-30)	SW846 8260B
1,2,3-Trichloropropane	97	(70 - 130)			SW846 8260B
	98	(70 - 130)	0.48	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	83	(70 - 130)			SW846 8260B
	86	(70 - 130)	3.8	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	78	(70 - 130)			SW846 8260B
	82	(70 - 130)	4.1	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	102	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
	84	(61 - 128)
Toluene-d8	96	(76 - 110)
	98	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	92	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Lot-Sample #...: A0E050439 Work Order #...: L08RP1AJ Matrix.....: WATER
MS Lot-Sample #: A0E080468-002
Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10
Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
Prep Batch #...: 0131045
Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	91	(50 - 114)	CFR136A 608
Aroclor 1260	87	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	88	(15 - 131)
Decachlorobiphenyl	44	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E050439

Matrix.....: WATER

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: A0E080468-004 Prep Batch #...: 0130013						
Antimony	98	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1CG
	97	(70 - 130)	0.35 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CH
			Dilution Factor: 1			
Arsenic	98	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1AX
	98	(70 - 130)	0.0 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A0
			Dilution Factor: 1			
Beryllium	98	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1CE
	96	(70 - 130)	1.4 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CF
			Dilution Factor: 1			
Cadmium	97	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1A1
	97	(70 - 130)	0.58 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A2
			Dilution Factor: 1			
Chromium	96	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1A3
	97	(70 - 130)	0.92 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A4
			Dilution Factor: 1			
Copper	97	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1A5
	97	(70 - 130)	0.08 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A6
			Dilution Factor: 1			
Lead	95	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1A9
	95	(70 - 130)	0.26 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CA
			Dilution Factor: 1			
Mercury	95	(69 - 134)		MCAWW 245.1	05/10-05/11/10	L08RT1CN
	93	(69 - 134)	2.3 (0-20)	MCAWW 245.1	05/10-05/11/10	L08RT1CP
			Dilution Factor: 1			
Nickel	99	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1A7
	100	(70 - 130)	0.69 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A8
			Dilution Factor: 1			
Selenium	96	(70 - 130)		MCAWW 200.8	05/10-05/11/10	L08RT1CJ
	97	(70 - 130)	0.61 (0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CK
			Dilution Factor: 1			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E050439

Matrix.....: WATER

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Silver	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1AV
	98	(70 - 130)	0.34	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1AW
		Dilution Factor: 1					
Thallium	94	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CL
	95	(70 - 130)	0.83	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CM
		Dilution Factor: 1					
Zinc	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CC
	97	(70 - 130)	0.76	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CD
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A0E050439

Matrix.....: WG

Date Sampled...: 05/04/10 15:01 Date Received...: 05/05/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: A0E050439-023 Prep Batch #...: 0127015						
Arsenic	107	(75 - 125)		SW846 6010B	05/11-05/12/10	L019G1AX
	105	(75 - 125)	1.2 (0-20)	SW846 6010B	05/11-05/12/10	L019G1A0
		Dilution Factor: 1				
Chromium	103	(75 - 125)		SW846 6010B	05/11-05/12/10	L019G1AT
	104	(75 - 125)	0.54 (0-20)	SW846 6010B	05/11-05/12/10	L019G1AU
		Dilution Factor: 1				
Lead	107	(75 - 125)		SW846 6010B	05/11-05/12/10	L019G1AV
	106	(75 - 125)	1.1 (0-20)	SW846 6010B	05/11-05/12/10	L019G1AW
		Dilution Factor: 1				
Nickel	109	(75 - 125)		SW846 6010B	05/11-05/12/10	L019G1AJ
	108	(75 - 125)	1.1 (0-20)	SW846 6010B	05/11-05/12/10	L019G1AK
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E050439

Matrix.....: WATER

Date Sampled...: 05/06/10 14:45 Date Received...: 05/07/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#:	L06R61AJ-MS/L06R61AK-MSD	MS Lot-Sample #:	A0E070460-021	
	91	(42 - 140)			SW846 9012A	05/17/10	0137418
	83	(42 - 140)	8.4	(0-20)	SW846 9012A	05/17/10	0137418
			Dilution Factor: 1				
Nitrogen, as Ammonia			WO#:	L06FC1AQ-MS/L06FC1AR-MSD	MS Lot-Sample #:	A0E070435-001	
	84	(75 - 125)			SM18 4500NH3-F	05/19/10	0139352
	84	(75 - 125)	0.74	(0-20)	SM18 4500NH3-F	05/19/10	0139352
			Dilution Factor: 1				
Total phosphorus			WO#:	L017C1A5-MS/L017C1A6-MSD	MS Lot-Sample #:	A0E050442-004	
	58	(10 - 199)			SM18 4500-P E	05/18/10	0138316
	61	(10 - 199)	1.2	(0-46)	SM18 4500-P E	05/18/10	0138316
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E050439

Matrix.....: WG

Date Sampled...: 05/04/10 15:01 Date Received...: 05/05/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#:	L019G1AN-MS/L019G1AP-MSD	MS Lot-Sample #:	A0E050439-023	
	90	(42 - 140)			SW846 9012A	05/18/10	0138328
	68 *	(42 - 140)	26	(0-20)	SW846 9012A	05/18/10	0138328
			Dilution Factor: 1				
Total Phenols			WO#:	L019A1AJ-MS/L019A1AK-MSD	MS Lot-Sample #:	A0E050439-022	
	98	(10 - 155)			MCAWW 420.1	05/19/10	0139393
	96	(10 - 155)	1.7	(0-41)	MCAWW 420.1	05/19/10	0139393
			Dilution Factor: 1				
Total Phenols			WO#:	L019G1AL-MS/L019G1AM-MSD	MS Lot-Sample #:	A0E050439-023	
	70	(10 - 155)			MCAWW 420.1	05/21/10	0141226
	67	(10 - 155)	2.2	(0-41)	MCAWW 420.1	05/21/10	0141226
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

North Canton
 4101 Shurfel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact
 Company: MACTEC Engineering and Consulting, Inc.
 Address: 41 Hughes Drive
 City/State/Zip: Traverse City, Michigan 49686
 (231) 922-9050 Phone
 (231) 922-9055 FAX
 Project Name: Honeywell South Bend - 3310090039 6100.1
 Site: South Bend
 P O #: 5133286

Project Manager: Steve Murray
 Tel/Fax: (231) 922-9050
 Analysis Turnaround Time
 Calendar (C) or Work Days (W)
 2 weeks
 1 week
 2 days
 1 day
 TAT if different from Below

Site Contact: James Stanley
 Lab Contact: Mark Laeb
 Date: 5-4-10
 Carrier: F&D EX
 COC No: 1 of 4 COCs
 Job No.
 SDG No.

Sample Identification	Sample Time	Sample Type	Matrix	# of Cont.	Lab Contact	Carrier	Date
S28 05 10	1440	GRAB	H2O	6	VOCs - 8260 B		5-4-10
S16 05 10	1545	GRAB	H2O	6	Dissolved Metals (As, Cr, Pb, Ni) - 6020		
S44 05 10	1630	GRAB	H2O	6	T. Phenols - 420:1		
S24 05 10	1710	GRAB	H2O	6	T. Cyanide - 9012 A		
S27 05 10	1757	GRAB	H2O	6			
S26 05 10	1845	GRAB	H2O	6			
2D 05 10	2045	GRAB	H2O	6			
S21 05 10	1015	GRAB	H2O	6			
S20 05 10	1100	GRAB	H2O	6			
S25 05 10	1200	GRAB	H2O	6			
7-50 05 10	1445	GRAB	H2O	6			
7-25 05 10	1437	GRAB	H2O	6			

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:

Diss Metals Field Filtered

Relinquished by: *[Signature]* Company: MACTEC Date/Time: 5/4/10 Received by: *[Signature]* Company: *[Signature]* Date/Time: 5-5-10 9:5

Relinquished by: *[Signature]* Company: *[Signature]* Date/Time: *[Signature]*

Chain of Custody Record

Client Contact

Company: MAC/TEC Engineering and Consulting, Inc.
Address: 41 Hughes Drive
City/State/Zip: Traverse City, Michigan 49686
(231) 922-9050 Phone
(231) 922-9055 FAX
Project Name: Honeywell South Bend - 3310090039.6100.1
Site: South Bend
P O #: 5133286

Project Manager: Steve Murray
Tel/Fax: (231) 922-9050

Analysis Turnaround Time
Calendar (C) or Work Days (W)

- TAT If different from Below
- 2 weeks
 - 1 week
 - 2 days
 - 1 day

Sample Identification

TEIP BANK

MUS-102 05 10

Sample Date	Sample Time	Sample Type	Matrix	# of Cont.
5-4-10		GRAB	H2O	6

VOCs - 8260 B
Dissolved Metals (As, Cr, Pb, Ni) - 6020
T. Phenols - 420.1
T. Cyanide - 9012 A

Site Contact: James Staley
Lab Contact: Mark Loeb

Date: 5-4-10
Carrier: FSD BX

TestAmerica Laboratories, Inc.
COC No. 2 of 4 COCs

Job No.

SDG No.

Sample Specific Notes:

Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Analysis	Lab Contact	Carrier	Job No.	SDG No.	Sample Specific Notes
5-4-10		GRAB	H2O	6	VOCs - 8260 B Dissolved Metals (As, Cr, Pb, Ni) - 6020 T. Phenols - 420.1 T. Cyanide - 9012 A	Mark Loeb	FSD BX	2 of 4		

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification
 Non-Hazard
 Flammable
 Skin Irritant
 Poison B
 Unknown

Return To Client
 Disposal By Lab
 Archive For _____ Months

Diss. Metals Field Filtered

Relinquished by: [Signature]

Company: MAC/TEC
Date/Time: 5/4/10 10:00

Received by: [Signature]
Company: [Signature]
Date/Time: 5-5-10 9/10

Relinquished by:

Company:

Received by: [Signature]
Company: [Signature]
Date/Time: 5-5-10 9/10

North Canton
 4101 Shuffel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact: **MACTEC Engineering and Consulting, Inc.** Project Manager: **Steve Murray** Site Contact: **James Staley** Date: **5-4-10** COC No: **4** of **4** COCs

Address: **41 Hughes Drive** City/State/Zip: **Traverse City, Michigan 49686** Phone: **(231) 922-9050** FAX: **(231) 922-9055** Project Name: **Honeywell South Bend - 3310090039.6100.1** Site: **South Bend** P O #: **51333286** Analysis Turnaround Time: **Calendar (C) or Work Days (W)** TAT If different from Below: 2 weeks 1 week 2 days 1 day

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample
D7 05 10	5/4/10	9:49	GRAB	H2O	6	VOCs - 8260 B Dissolved Metals (As, Cr, Pb, Ni) - 6020 T. Phenols - 420.1 T. Cyanide - 9012 A
D5 05 10	5/4/10	12:35	GRAB	H2O	6	
D4 05 10	5/4/10	15:01	GRAB	H2O	6	
D4 05 10 MS/MSD	5/4/10	15:01	GRAB	H2O	12	
MW-100 05 10	5/4/10	—	GRAB	H2O	6	

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other
 Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Special Instructions/QC Requirements & Comments: **Diss. Metals Field Filtered**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	Return To Client	Disposal By Lab	Archive For	Months
2	4	3	5	

Relinquished by: *[Signature]* Company: **MACTEC** Date/Time: **5/4/10** Received by: *[Signature]* Company: **TRC** Date/Time: **5-10 9:15**

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AOE050439

North Canton Facility

Client Mactec Project South bend By: Ch Gil
 Cooler Received on 5-5-10 Opened on 5-5-10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA

If YES, Quantity 9 Quantity Unsalvageable _____

Were custody seals on the outside of cooler(s) signed and dated? Yes No NA

Were custody seals on the bottle(s)? Yes No

If YES, are there any exceptions? _____

2. Shippers' packing slip attached to the cooler(s)? Yes No

3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No

4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other _____

6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps

METHOD: IR Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were sample(s) at the correct pH upon receipt? Yes No NA

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Were air bubbles >6 mm in any VOA vials? Yes No NA

12. Sufficient quantity received to perform indicated analyses? Yes No

13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample

Receiving to meet recommended pH level(s). Nitric Acid Lot# 121709-HNO₃; Sulfuric Acid Lot# 121709-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
S28	<2 >12	5-5-10	CSL
S16	<2 >12		
S4A	<2 >12		
S24	<2 >12		
S27	<2 >12		
S26	<2 >12		
20	<2 >12		
S21	<2 >12		

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
S20	12.12.712	5-5-10	CSL
S25	12.12.712		
750	12.12.712		
725	12.12.712		
MW102	12.12.712		
EW3 G	12.12.12.712		
EW1 G	12.12.12.712		
E3A G	12.12.12.712		
EW3 C	12.12.12		
EW1 C	12.12.12		
E3A C	12.12.12		
DF	12.12.712		
DS	12.12.712		
DH	12.12.12.12.12.12.712.712.712		
MW100	12.12.712		

Cooler #	Temp. °C	Method	Coolant
241-408	5.3	IR	Ice
241-828	4.9		
241-245	3.7		
241-904	5.7		
241-933	4.9		
Client	4.0		

Discrepancies Cont'd:


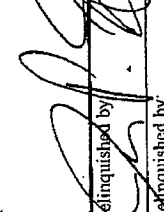
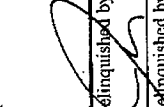
END OF REPORT

North Canton

4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact Company: MACTEC Engineering and Consulting, Inc. Address: 41 Hughes Drive City/State/Zip: Traverse City, Michigan 49686 (231) 922-9050 Phone (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310090039.6100.1 Site: South Bend P O #: 5133286		Project Manager: Steve Murray Tel/Fax: (231) 922-9050 Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: James Staley Lab Contact: Mark Loeb Date: 5-4-10 Carrier: FSD SA COC No: 3 of 4 COCs Job No. SDG No. Sample Specific Notes:							
Sample Identification EW-3 05 10 EW-1 05 10 E3A 05 10 COMPOSITE = C GRAB = G		Sample Date 5-4-10 5-4-10 5-4-10		Sample Time 1600 1710 1800		Sample Type COMPOSITE GRAB COMPOSITE GRAB		Matrix H2O H2O H2O		# of Cont. 17 17 17	
VOCs - 624 SVOCs - 625 Pesticides, PCBs - 608 T. Cyanide - 4500 CNE T. Oil & Grease (TOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM Ammonia, Nitrogen - 4500 NH3-F T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) - 5210B Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D		T. Cyanide - 4500 CNE T. Oil & Grease (TOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM Ammonia, Nitrogen - 4500 NH3-F T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) - 5210B Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D		VOCs - 624 SVOCs - 625 Pesticides, PCBs - 608 T. Cyanide - 4500 CNE T. Oil & Grease (TOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM Ammonia, Nitrogen - 4500 NH3-F T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) - 5210B Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D		VOCs - 624 SVOCs - 625 Pesticides, PCBs - 608 T. Cyanide - 4500 CNE T. Oil & Grease (TOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM Ammonia, Nitrogen - 4500 NH3-F T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) - 5210B Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D		VOCs - 624 SVOCs - 625 Pesticides, PCBs - 608 T. Cyanide - 4500 CNE T. Oil & Grease (TOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM Ammonia, Nitrogen - 4500 NH3-F T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) - 5210B Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D		VOCs - 624 SVOCs - 625 Pesticides, PCBs - 608 T. Cyanide - 4500 CNE T. Oil & Grease (TOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM Ammonia, Nitrogen - 4500 NH3-F T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) - 5210B Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Retrive For <input type="checkbox"/> Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		2 X X S 3 3 3 4 X 3 X		G G G G G G C C C C C C		G G G G G G C C C C C C	
Relinquished by: 		Relinquished by: 		Relinquished by: 		Company: MACTEC Date/Time: 5/4/10		Company: TRC Date/Time: 5-8-10 9 15		Company: TRC Date/Time: 5-8-10 9 15	

ANALYTICAL REPORT

PROJECT NO. 3310090039.6100.1

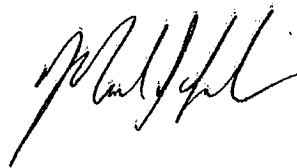
SOUTH BEND

Lot #: A0E080468

Steven Murray

Mactec Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

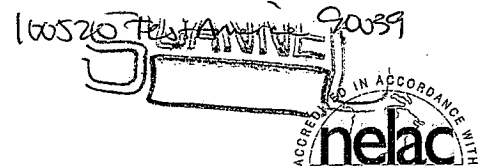
TESTAMERICA LABORATORIES, INC.



Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

Approved for release.
Mark J. Loeb
Project Manager II
5/21/2010 2:10 PM

May 20, 2010



CASE NARRATIVE

A0E080468

The following report contains the analytical results for four water samples and one quality control sample submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the South Bend Site, project number 3310090039.6100.1. The samples were received May 08, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on May 19, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 1.7 and 2.3°C.

See TestAmerica's Cooler Receipt Form for additional information.

GC/MS VOLATILES

The matrix spike(s) for batch(es) 0133353 and 0134386 had recoveries outside acceptance limits. However, since the associated laboratory control sample(s) were in control, no corrective action was necessary.

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike (MS) samples in batch(es) 0130039.

PESTICIDES-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0131044.

The opening CCV passed average, but failed DDT biased low. Since sample(s) EW-4 05 10 (GRAB) and EW-5 05 10 (GRAB) were non-detect, no corrective action was needed.

PCB-608

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

Matrix spike recovery and relative percent difference (RPD) data were not calculated for some analytes for batch(es) 0138360 due to the sample concentration reading greater than four times the spike amount. See the Matrix Spike Report for the affected analytes which will be flagged with "NC, MSB".

CASE NARRATIVE (continued)

GENERAL CHEMISTRY (continued)

The associated BOD samples EW-4 05 10 (COMP) and EW-5 05 10 (COMP) were incubated at temperatures between 24 and 25 degrees. The method required range is 19-21 degrees C. All of the QC for the batch met criteria, however, the client was contacted and notified of the temperature excursion. Per client request, this data will not be reported. Additional sample volume will be taken and the BOD analysis will be done at the correct temperature within the method recommended hold time. Those results will be included in a separate report.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

N:\QAQC\Customer Service\Narrative - Combined RCRA_CWA 032609.doc

EXECUTIVE SUMMARY - Detection Highlights

A0E080468

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
EW-4 05 10 (GRAB) 05/07/10 10:05 002				
cis-1,2-Dichloroethene	46	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	3.4	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	3.1	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	49	2.0	ug/L	CFR136A 624
Trichloroethene	8.1	1.0	ug/L	CFR136A 624
EW-5 05 10 (GRAB) 05/07/10 12:05 003				
cis-1,2-Dichloroethene	3.9	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	6.1	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	9.9	2.0	ug/L	CFR136A 624
Trichloroethene	30	1.0	ug/L	CFR136A 624
EW-4 05 10 (COMP) 05/07/10 10:05 004				
Copper	23.4	2.0	ug/L	MCAWW 200.8
Lead	3.0	1.0	ug/L	MCAWW 200.8
Zinc	48.0	10.0	ug/L	MCAWW 200.8
Total Suspended Solids	8.0	4.0	mg/L	SM18 2540 D
Nitrogen, as Ammonia	0.2	0.2	mg/L	SM18 4500NH3-F
EW-5 05 10 (COMP) 05/07/10 12:05 005				
Copper	5.1	2.0	ug/L	MCAWW 200.8

ANALYTICAL METHODS SUMMARY

AOE080468

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids	CFR136A 625
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A SGT HEM
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Organochlorine Pesticides and PCBs	CFR136A 608
Purgeables	CFR136A 624
Total cyanide	SM18 4500-CN E
Total phosphorus	SM18 4500-P E
Total Suspended Solids	SM18 2540 D

References:

- CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

A0E080468

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L08RM	001	TRIP BLANK	05/07/10	
L08RP	002	EW-4 05 10 (GRAB)	05/07/10	10:05
L08RR	003	EW-5 05 10 (GRAB)	05/07/10	12:05
L08RT	004	EW-4 05 10 (COMP)	05/07/10	10:05
L08R2	005	EW-5 05 10 (COMP)	05/07/10	12:05

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E080468-001 Work Order #...: L08RM1AA Matrix.....: WQ
 Date Sampled...: 05/07/10 Date Received..: 05/08/10
 Prep Date.....: 05/13/10 Analysis Date..: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 1 Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	ND	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	113	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	86	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E080468-002 Work Order #...: L08RP1AD Matrix.....: WG
 Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10
 Prep Date.....: 05/13/10 Analysis Date..: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 1 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	46	1.0	ug/L
trans-1,2-Dichloroethene	3.4	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	3.1	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	49	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	8.1	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	114	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	85	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E080468-002 Work Order #...: L08RP1AE Matrix.....: WG
 Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo (a) anthracene	ND	10	ug/L
Benzo (a) pyrene	ND	10	ug/L
Benzo (b) fluoranthene	ND	10	ug/L
Benzo (ghi) perylene	ND	10	ug/L
Benzo (k) fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz (a, h) anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E080468-002 Work Order #...: L08RP1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno (1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
<u>SURROGATE</u>			
2-Fluorophenol	48	(10 - 135)	
Phenol-d5	54	(10 - 132)	
2,4,6-Tribromophenol	63	(10 - 142)	
2-Fluorobiphenyl	48	(38 - 110)	
Terphenyl-d14	70	(24 - 135)	
Nitrobenzene-d5	52	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E080468-002 Work Order #...: L08RP1AA Matrix.....: WG
Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10
Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
Prep Batch #...: 0131045
Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	88	(15 - 131)
Decachlorobiphenyl	32	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E080468-002 Work Order #...: L08RP1AC Matrix.....: WG
 Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0131044
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	78	(10 - 151)
Decachlorobiphenyl	29	(10 - 151)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E080468-002 Work Order #...: L08RP Matrix.....: WG
Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/18/10	0138359
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E080468-003 Work Order #...: L08RR1AD Matrix.....: WG
 Date Sampled...: 05/07/10 12:05 Date Received...: 05/08/10
 Prep Date.....: 05/14/10 Analysis Date...: 05/14/10
 Prep Batch #...: 0134386
 Dilution Factor: 1 Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
cis-1,2-Dichloroethene	3.9	1.0	ug/L
trans-1,2-Dichloroethene	6.1	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	9.9	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	30	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	97	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	92	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E080468-003 Work Order #...: L08RR1AE Matrix.....: WG
 Date Sampled...: 05/07/10 12:05 Date Received...: 05/08/10
 Prep Date.....: 05/10/10 Analysis Date...: 05/18/10
 Prep Batch #...: 0130039
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo (a) anthracene	ND	10	ug/L
Benzo (a) pyrene	ND	10	ug/L
Benzo (b) fluoranthene	ND	10	ug/L
Benzo (ghi) perylene	ND	10	ug/L
Benzo (k) fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz (a, h) anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E080468-003 Work Order #...: L08RR1AE Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
2-Fluorophenol	54	(10 - 135)	
Phenol-d5	54	(10 - 132)	
2,4,6-Tribromophenol	55	(10 - 142)	
2-Fluorobiphenyl	48	(38 - 110)	
Terphenyl-d14	82	(24 - 135)	
Nitrobenzene-d5	56	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E080468-003 Work Order #...: L08RR1AA Matrix.....: WG
Date Sampled...: 05/07/10 12:05 Date Received...: 05/08/10
Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
Prep Batch #...: 0131045
Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	83	(15 - 131)
Decachlorobiphenyl	61	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #...: A0E080468-003 Work Order #...: L08RR1AC Matrix.....: WG
 Date Sampled...: 05/07/10 12:05 Date Received..: 05/08/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0131044
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	76	(10 - 151)
Decachlorobiphenyl	61	(10 - 151)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (GRAB)

General Chemistry

Lot-Sample #...: A0E080468-003 Work Order #...: L08RR Matrix.....: WG
 Date Sampled...: 05/07/10 12:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/18/10	0138359
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E080468-004

Matrix.....: WG

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AE
		Dilution Factor: 1				
Copper	23.4	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L08RT1AP
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AG
		Dilution Factor: 1				
Lead	3.0	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AN
		Dilution Factor: 1				
Zinc	48.0	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08RT1AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 05 10 (COMP)

General Chemistry

Lot-Sample #...: A0E080468-004 Work Order #...: L08RT Matrix.....: WG
Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	0.2	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Dilution Factor: 1				
Total Suspended Solids	8.0	4.0	mg/L	SM18 2540 D	05/12/10	0132096
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E080468-005

Matrix.....: WG

Date Sampled...: 05/07/10 12:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0130013						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AE
		Dilution Factor: 1				
Copper	5.1	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L08R21AP
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AG
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AN
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 05 10 (COMP)

General Chemistry

Lot-Sample #...: A0E080468-005 Work Order #...: L08R2 Matrix.....: WG
Date Sampled...: 05/07/10 12:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096
		Dilution Factor: 1				

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1GQ91AA Matrix.....: WATER
 MB Lot-Sample #: A0E130000-353
 Analysis Date...: 05/12/10 Prep Date.....: 05/12/10
 Dilution Factor: 1 Prep Batch #...: 0133353

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	106	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	88	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0E080468
 MB Lot-Sample #: A0E140000-386

Work Order #...: L1JP31AA

Matrix.....: WATER

Analysis Date...: 05/13/10
 Dilution Factor: 1

Prep Date.....: 05/13/10
 Prep Batch #...: 0134386

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	103	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	89	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0E080468
 MB Lot-Sample #: A0E100000-039

Work Order #...: L09D81AA

Matrix.....: WATER

Analysis Date...: 05/17/10

Prep Date.....: 05/10/10

Prep Batch #...: 0130039

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	10	ug/L	CFR136A 625
m-Cresol	ND	10	ug/L	CFR136A 625
p-Cresol	ND	10	ug/L	CFR136A 625
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo (a) anthracene	ND	10	ug/L	CFR136A 625
Benzo (a) pyrene	ND	10	ug/L	CFR136A 625
Benzo (b) fluoranthene	ND	10	ug/L	CFR136A 625
Benzo (ghi) perylene	ND	10	ug/L	CFR136A 625
Benzo (k) fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)- ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz (a, h) anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	10	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0E080468

Work Order #...: L09D81AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta- diene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	10	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro- benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro- phenol	ND	10	ug/L	CFR136A 625

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	67	(10 - 135)
Phenol-d5	66	(10 - 132)
2,4,6-Tribromophenol	66	(10 - 142)
2-Fluorobiphenyl	59	(38 - 110)
Terphenyl-d14	78	(24 - 135)
Nitrobenzene-d5	68	(44 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0E080468
 MB Lot-Sample #: A0E110000-044

Work Order #...: L1ANJ1AA

Matrix.....: WATER

Analysis Date...: 05/13/10

Prep Date.....: 05/11/10

Prep Batch #...: 0131044

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.050	ug/L	CFR136A 608
4,4'-DDE	ND	0.050	ug/L	CFR136A 608
4,4'-DDT	ND	0.050	ug/L	CFR136A 608
Dieldrin	ND	0.050	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.050	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.050	ug/L	CFR136A 608
Endrin	ND	0.050	ug/L	CFR136A 608
Endrin aldehyde	ND	0.050	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	2.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	79	(10 - 151)
Decachlorobiphenyl	77	(10 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0E080468
MB Lot-Sample #: A0E110000-045

Work Order #...: L1ANK1AA

Matrix.....: WATER

Analysis Date...: 05/12/10
Dilution Factor: 1

Prep Date.....: 05/11/10
Prep Batch #...: 0131045

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	1.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetrachloro-m-xylene	88	(15 - 131)
Decachlorobiphenyl	85	(10 - 114)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A0E080468

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A0E100000-013 Prep Batch #...: 0130013						
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AL
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AE
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AF
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AH
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L09C81AP
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AG
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AM
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AA
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AN
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AJ
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A0E080468

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
		Work Order #: L1MMG1AA MB Lot-Sample #: A0E180000-085				
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
		Work Order #: L1MMJ1AA MB Lot-Sample #: A0E180000-086				
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
		Work Order #: L1NN41AA MB Lot-Sample #: A0E180000-248				
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
		Work Order #: L1J031AA MB Lot-Sample #: A0E140000-419				
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	05/18/10	0138359
		Work Order #: L1N4X1AA MB Lot-Sample #: A0E180000-359				
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096
		Work Order #: L1DEP1AA MB Lot-Sample #: A0E120000-096				
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1GQ91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-353 L1GQ91AD-LCSD
 Prep Date.....: 05/12/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0133353
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
trans-1,2-Dichloroethene	106	(54 - 156)			CFR136A 624
	102	(54 - 156)	4.1	(0-30)	CFR136A 624
Benzene	103	(37 - 151)			CFR136A 624
	103	(37 - 151)	0.65	(0-30)	CFR136A 624
Bromoform	86	(45 - 169)			CFR136A 624
	82	(45 - 169)	4.9	(0-30)	CFR136A 624
Bromomethane	71	(10 - 242)			CFR136A 624
	68	(10 - 242)	4.8	(0-30)	CFR136A 624
Carbon tetrachloride	111	(70 - 140)			CFR136A 624
	115	(70 - 140)	3.2	(0-30)	CFR136A 624
Chlorobenzene	100	(37 - 160)			CFR136A 624
	100	(37 - 160)	0.56	(0-30)	CFR136A 624
Chlorodibromomethane	92	(53 - 149)			CFR136A 624
	87	(53 - 149)	5.6	(0-30)	CFR136A 624
Chloroethane	75	(14 - 230)			CFR136A 624
	71	(14 - 230)	6.8	(0-30)	CFR136A 624
Chloroform	109	(51 - 138)			CFR136A 624
	110	(51 - 138)	0.84	(0-30)	CFR136A 624
Chloromethane	83	(10 - 273)			CFR136A 624
	81	(10 - 273)	2.0	(0-30)	CFR136A 624
Dichlorobromomethane	114	(35 - 155)			CFR136A 624
	110	(35 - 155)	3.9	(0-30)	CFR136A 624
1,1-Dichloroethane	109	(59 - 155)			CFR136A 624
	104	(59 - 155)	4.2	(0-30)	CFR136A 624
1,2-Dichloroethane	104	(49 - 155)			CFR136A 624
	98	(49 - 155)	6.1	(0-30)	CFR136A 624
1,1-Dichloroethene	111	(10 - 234)			CFR136A 624
	106	(10 - 234)	3.9	(0-30)	CFR136A 624
1,2-Dichloropropane	107	(10 - 210)			CFR136A 624
	104	(10 - 210)	2.0	(0-30)	CFR136A 624
cis-1,3-Dichloropropene	90	(10 - 227)			CFR136A 624
	87	(10 - 227)	3.3	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	78	(17 - 183)			CFR136A 624
	73	(17 - 183)	7.1	(0-30)	CFR136A 624
Ethylbenzene	98	(37 - 162)			CFR136A 624
	95	(37 - 162)	2.3	(0-30)	CFR136A 624
Methylene chloride	64	(10 - 221)			CFR136A 624
	60	(10 - 221)	5.7	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	91	(46 - 157)			CFR136A 624
	86	(46 - 157)	5.7	(0-30)	CFR136A 624

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1GQ91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A0E130000-353 L1GQ91AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Tetrachloroethene	114	(64 - 148)			CFR136A 624
	117	(64 - 148)	2.8	(0-30)	CFR136A 624
Toluene	103	(47 - 150)			CFR136A 624
	100	(47 - 150)	2.9	(0-30)	CFR136A 624
1,1,1-Trichloroethane	103	(52 - 162)			CFR136A 624
	107	(52 - 162)	4.2	(0-30)	CFR136A 624
1,1,2-Trichloroethane	98	(52 - 150)			CFR136A 624
	94	(52 - 150)	4.6	(0-30)	CFR136A 624
Trichloroethene	115	(71 - 157)			CFR136A 624
	115	(71 - 157)	0.34	(0-30)	CFR136A 624
Vinyl chloride	82	(10 - 251)			CFR136A 624
	82	(10 - 251)	0.56	(0-30)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	109	(80 - 125)
	100	(80 - 125)
	107	(84 - 110)
Toluene-d8	103	(84 - 110)
	98	(81 - 112)
Bromofluorobenzene	93	(81 - 112)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1JP31AC Matrix.....: WATER
 LCS Lot-Sample#: A0E140000-386
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0134386
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	99	(54 - 156)	CFR136A 624
Benzene	99	(37 - 151)	CFR136A 624
Bromoform	82	(45 - 169)	CFR136A 624
Bromomethane	64	(10 - 242)	CFR136A 624
Carbon tetrachloride	106	(70 - 140)	CFR136A 624
Chlorobenzene	101	(37 - 160)	CFR136A 624
Chlorodibromomethane	88	(53 - 149)	CFR136A 624
Chloroethane	69	(14 - 230)	CFR136A 624
Chloroform	104	(51 - 138)	CFR136A 624
Chloromethane	78	(10 - 273)	CFR136A 624
Dichlorobromomethane	105	(35 - 155)	CFR136A 624
1,1-Dichloroethane	102	(59 - 155)	CFR136A 624
1,2-Dichloroethane	96	(49 - 155)	CFR136A 624
1,1-Dichloroethene	103	(10 - 234)	CFR136A 624
1,2-Dichloropropane	98	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	85	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	77	(17 - 183)	CFR136A 624
Ethylbenzene	98	(37 - 162)	CFR136A 624
Methylene chloride	61	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	86	(46 - 157)	CFR136A 624
Tetrachloroethene	121	(64 - 148)	CFR136A 624
Toluene	103	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	99	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	96	(52 - 150)	CFR136A 624
Trichloroethene	114	(71 - 157)	CFR136A 624
Vinyl chloride	79	(10 - 251)	CFR136A 624

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
1,2-Dichloroethane-d4	98	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	97	(81 - 112)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1JP31AC Matrix.....: WATER
LCS Lot-Sample#: A0E140000-386

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L09D81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E100000-039
 Prep Date.....: 05/10/10 Analysis Date...: 05/17/10
 Prep Batch #...: 0130039
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	72	(54 - 110)	CFR136A 625
Acenaphthylene	75	(52 - 110)	CFR136A 625
Anthracene	73	(54 - 110)	CFR136A 625
Benzo (a) anthracene	76	(48 - 112)	CFR136A 625
Benzo (a) pyrene	65	(51 - 111)	CFR136A 625
Benzo (b) fluoranthene	76	(55 - 110)	CFR136A 625
Benzo (ghi) perylene	76	(45 - 113)	CFR136A 625
Benzo (k) fluoranthene	75	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl ether	74	(56 - 110)	CFR136A 625
Butyl benzyl phthalate	74	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy) methane	74	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	76	(63 - 115)	CFR136A 625
bis(2-Chloroisopropyl) ether	77	(55 - 120)	CFR136A 625
p-Chloro-m-cresol	78	(58 - 110)	CFR136A 625
2-Chloronaphthalene	70	(50 - 110)	CFR136A 625
2-Chlorophenol	77	(60 - 110)	CFR136A 625
4-Chlorophenyl phenyl ether	75	(57 - 110)	CFR136A 625
Chrysene	74	(53 - 118)	CFR136A 625
Dibenz (a, h) anthracene	78	(51 - 114)	CFR136A 625
Di-n-butyl phthalate	76	(49 - 110)	CFR136A 625
1,2-Dichlorobenzene	64	(38 - 110)	CFR136A 625
1,3-Dichlorobenzene	61	(33 - 110)	CFR136A 625
1,4-Dichlorobenzene	69	(35 - 110)	CFR136A 625
3,3'-Dichlorobenzidine	52	(19 - 110)	CFR136A 625
2,4-Dichlorophenol	75	(63 - 110)	CFR136A 625
Diethyl phthalate	68	(10 - 117)	CFR136A 625
2,4-Dimethylphenol	60	(10 - 115)	CFR136A 625
Dimethyl phthalate	50	(10 - 115)	CFR136A 625
4,6-Dinitro-2-methylphenol	70	(10 - 138)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L09D81AC Matrix.....: WATER
 LCS Lot-Sample#: A0E100000-039

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,4-Dinitrophenol	57	(10 - 135)	CFR136A 625
2,4-Dinitrotoluene	82	(55 - 112)	CFR136A 625
2,6-Dinitrotoluene	84	(63 - 117)	CFR136A 625
Di-n-octyl phthalate	70	(51 - 135)	CFR136A 625
bis(2-Ethylhexyl) phthalate	75	(50 - 134)	CFR136A 625
Fluoranthene	76	(55 - 112)	CFR136A 625
Fluorene	75	(55 - 110)	CFR136A 625
Hexachlorobenzene	73	(53 - 113)	CFR136A 625
Hexachlorobutadiene	54	(31 - 110)	CFR136A 625
Hexachloroethane	57	(26 - 110)	CFR136A 625
Indeno (1,2,3-cd)pyrene	72	(43 - 118)	CFR136A 625
Isophorone	79	(58 - 110)	CFR136A 625
Naphthalene	74	(48 - 111)	CFR136A 625
Nitrobenzene	78	(64 - 110)	CFR136A 625
2-Nitrophenol	76	(50 - 118)	CFR136A 625
4-Nitrophenol	74	(10 - 132)	CFR136A 625
N-Nitrosodi-n-propyl- amine	81	(57 - 110)	CFR136A 625
Pentachlorophenol	80	(10 - 131)	CFR136A 625
Phenanthrene	72	(54 - 110)	CFR136A 625
Phenol	78	(17 - 130)	CFR136A 625
Pyrene	73	(48 - 122)	CFR136A 625
1,2,4-Trichloro- benzene	62	(42 - 112)	CFR136A 625
2,4,6-Trichloro- phenol	77	(54 - 110)	CFR136A 625

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
2-Fluorophenol	74	(10 - 135)
Phenol-d5	74	(10 - 132)
2,4,6-Tribromophenol	78	(10 - 142)
2-Fluorobiphenyl	67	(38 - 110)
Terphenyl-d14	79	(24 - 135)
Nitrobenzene-d5	75	(44 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L09D81AC Matrix.....: WATER
LCS Lot-Sample#: A0E100000-039

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L1ANJ1AC Matrix.....: WATER
 LCS Lot-Sample#: A0E110000-044
 Prep Date.....: 05/11/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0131044
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aldrin	88	(42 - 122)	CFR136A 608
alpha-BHC	94	(37 - 134)	CFR136A 608
beta-BHC	97	(17 - 147)	CFR136A 608
delta-BHC	85	(19 - 140)	CFR136A 608
gamma-BHC (Lindane)	93	(32 - 127)	CFR136A 608
4,4'-DDD	93	(31 - 141)	CFR136A 608
4,4'-DDE	87	(30 - 145)	CFR136A 608
4,4'-DDT	82	(25 - 160)	CFR136A 608
Dieldrin	91	(36 - 146)	CFR136A 608
Endosulfan I	57	(45 - 153)	CFR136A 608
Endosulfan II	65	(10 - 202)	CFR136A 608
Endosulfan sulfate	90	(26 - 144)	CFR136A 608
Endrin	68	(30 - 147)	CFR136A 608
Heptachlor	89	(34 - 111)	CFR136A 608
Heptachlor epoxide	89	(37 - 142)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	94	(10 - 151)
Decachlorobiphenyl	51	(10 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L1ANK1AC Matrix.....: WATER
 LCS Lot-Sample#: A0E110000-045
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0131045
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	98	(50 - 114)	CFR136A 608
Aroclor 1260	97	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	85	(15 - 131)
Decachlorobiphenyl	56	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: A0E080468

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A0E100000-013 Prep Batch #....: 0130013					
Silver	97	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AQ
Arsenic	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AR
Cadmium	94	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AT
Chromium	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AU
Copper	99	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AV
Nickel	98	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AW
Lead	87	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AX
Zinc	104	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81AO
Beryllium	92	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A1
Antimony	91	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A2
Selenium	93	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/11/10	L09C81A3
Thallium	88	(85 - 115)	MCAWW 200.8 Dilution Factor: 1	05/10-05/12/10	L09C81A4
Mercury	89	(85 - 115)	MCAWW 245.1 Dilution Factor: 1	05/10-05/11/10	L09C81A5

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A0E080468

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material		WO#:L1MMG1AC-LCS/L1MMG1AD-LCSD			LCS	Lot-Sample#: A0E180000-085	
	99	(78 - 114)			CFR136A 1664A HEM	05/18/10	0138085
	92	(78 - 114)	7.6	(0-11)	CFR136A 1664A HEM	05/18/10	0138085
		Dilution Factor: 1					
n-Hexane Extractable Material, SGT		WO#:L1MMJ1AC-LCS/L1MMJ1AD-LCSD			LCS	Lot-Sample#: A0E180000-086	
	84	(64 - 132)			CFR136A 1664A SGT	05/18/10	0138086
	85	(64 - 132)	0.59	(0-28)	CFR136A 1664A SGT	05/18/10	0138086
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E080468

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	100	(85 - 114)	SM18 4500NH3-F	05/18/10	0138248
			Dilution Factor: 1		
Total phosphorus	96	(53 - 134)	SM18 4500-P E	05/14/10	0134419
			Dilution Factor: 1		
Total Cyanide	92	(69 - 118)	SM18 4500-CN E	05/18/10	0138359
			Dilution Factor: 1		
Total Suspended Solids	99	(73 - 113)	SM18 2540 D	05/12/10	0132096
			Dilution Factor: 1		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L08TH1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080474-001 L08TH1AD-MSD
 Date Sampled...: 05/07/10 10:45 Date Received...: 05/08/10
 Prep Date.....: 05/13/10 Analysis Date...: 05/13/10
 Prep Batch #...: 0133353
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	101	(85 - 116)			CFR136A 624
	103	(85 - 116)	2.7	(0-30)	CFR136A 624
Benzene	99	(90 - 114)			CFR136A 624
	105	(90 - 114)	5.9	(0-30)	CFR136A 624
Bromoform	72	(40 - 141)			CFR136A 624
	84	(40 - 141)	15	(0-30)	CFR136A 624
Bromomethane	70	(42 - 160)			CFR136A 624
	77	(42 - 160)	8.8	(0-30)	CFR136A 624
Carbon tetrachloride	101	(61 - 129)			CFR136A 624
	108	(61 - 129)	7.0	(0-30)	CFR136A 624
Chlorobenzene	92	(90 - 113)			CFR136A 624
	99	(90 - 113)	7.6	(0-30)	CFR136A 624
Chlorodibromomethane	72	(65 - 123)			CFR136A 624
	83	(65 - 123)	15	(0-30)	CFR136A 624
Chloroethane	74	(56 - 133)			CFR136A 624
	77	(56 - 133)	4.2	(0-30)	CFR136A 624
Chloroform	101	(90 - 118)			CFR136A 624
	111	(90 - 118)	9.1	(0-30)	CFR136A 624
Chloromethane	77	(37 - 127)			CFR136A 624
	77	(37 - 127)	0.43	(0-30)	CFR136A 624
Dichlorobromomethane	94	(78 - 123)			CFR136A 624
	106	(78 - 123)	12	(0-30)	CFR136A 624
1,1-Dichloroethane	102	(90 - 114)			CFR136A 624
	108	(90 - 114)	5.9	(0-30)	CFR136A 624
1,2-Dichloroethane	96	(90 - 123)			CFR136A 624
	101	(90 - 123)	4.8	(0-30)	CFR136A 624
1,1-Dichloroethene	103	(83 - 129)			CFR136A 624
	102	(83 - 129)	0.70	(0-30)	CFR136A 624
1,2-Dichloropropane	96	(87 - 119)			CFR136A 624
	101	(87 - 119)	4.8	(0-30)	CFR136A 624
cis-1,3-Dichloropropene	73 a	(77 - 115)			CFR136A 624
	85	(77 - 115)	16	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	65 a	(71 - 114)			CFR136A 624
	72	(71 - 114)	10	(0-30)	CFR136A 624
Ethylbenzene	88	(88 - 111)			CFR136A 624
	97	(88 - 111)	10	(0-30)	CFR136A 624
Methylene chloride	78	(78 - 131)			CFR136A 624
	83	(78 - 131)	5.7	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	96	(77 - 133)			CFR136A 624
	92	(77 - 133)	3.7	(0-30)	CFR136A 624

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L08TH1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0E080474-001 L08TH1AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Tetrachloroethene	108	(81 - 112)			CFR136A 624
	115 a	(81 - 112)	6.3	(0-30)	CFR136A 624
Toluene	96	(87 - 112)			CFR136A 624
	101	(87 - 112)	5.2	(0-30)	CFR136A 624
1,1,1-Trichloroethane	96	(82 - 119)			CFR136A 624
	106	(82 - 119)	10	(0-30)	CFR136A 624
1,1,2-Trichloroethane	94	(89 - 123)			CFR136A 624
	101	(89 - 123)	7.3	(0-30)	CFR136A 624
Trichloroethene	105	(85 - 114)			CFR136A 624
	112	(85 - 114)	4.2	(0-30)	CFR136A 624
Vinyl chloride	81	(50 - 119)			CFR136A 624
	82	(50 - 119)	1.2	(0-30)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	117	(80 - 125)
	102	(80 - 125)
Toluene-d8	105	(84 - 110)
	105	(84 - 110)
Bromofluorobenzene	94	(81 - 112)
	93	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: A0E080468 Work Order #...: L1ELP1AC Matrix.....: WATER
 MS Lot-Sample #: A0E120544-002
 Date Sampled...: 05/11/10 10:15 Date Received...: 05/12/10
 Prep Date.....: 05/14/10 Analysis Date...: 05/14/10
 Prep Batch #...: 0134386
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	99	(85 - 116)	CFR136A 624
Benzene	98	(90 - 114)	CFR136A 624
Bromoform	66	(40 - 141)	CFR136A 624
Bromomethane	63	(42 - 160)	CFR136A 624
Carbon tetrachloride	87	(61 - 129)	CFR136A 624
Chlorobenzene	99	(90 - 113)	CFR136A 624
Chlorodibromomethane	70	(65 - 123)	CFR136A 624
Chloroethane	67	(56 - 133)	CFR136A 624
Chloroform	104	(90 - 118)	CFR136A 624
Chloromethane	74	(37 - 127)	CFR136A 624
Dichlorobromomethane	89	(78 - 123)	CFR136A 624
1,1-Dichloroethane	101	(90 - 114)	CFR136A 624
1,2-Dichloroethane	97	(90 - 123)	CFR136A 624
1,1-Dichloroethene	97	(83 - 129)	CFR136A 624
1,2-Dichloropropane	100	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	75 a	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	65 a	(71 - 114)	CFR136A 624
Ethylbenzene	95	(88 - 111)	CFR136A 624
Methylene chloride	81	(78 - 131)	CFR136A 624
1,1,2,2-Tetrachloroethane	85	(77 - 133)	CFR136A 624
Tetrachloroethene	114 a	(81 - 112)	CFR136A 624
Toluene	99	(87 - 112)	CFR136A 624
1,1,1-Trichloroethane	90	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	98	(89 - 123)	CFR136A 624
Trichloroethene	106	(85 - 114)	CFR136A 624
Vinyl chloride	71	(50 - 119)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	104	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	96	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Lot-Sample #...: A0E080468 Work Order #...: L08RP1AJ Matrix.....: WG
 MS Lot-Sample #: A0E080468-002
 Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10
 Prep Date.....: 05/11/10 Analysis Date...: 05/12/10
 Prep Batch #...: 0131045
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	91	(50 - 114)	CFR136A 608
Aroclor 1260	87	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	88	(15 - 131)
Decachlorobiphenyl	44	(10 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E080468

Matrix.....: WG

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A0E080468-004 Prep Batch #...: 0130013							
Antimony	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CG
	97	(70 - 130)	0.35	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CH
			Dilution Factor: 1				
Arsenic	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1AX
	98	(70 - 130)	0.0	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A0
			Dilution Factor: 1				
Beryllium	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CE
	96	(70 - 130)	1.4	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CF
			Dilution Factor: 1				
Cadmium	97	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A1
	97	(70 - 130)	0.58	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A2
			Dilution Factor: 1				
Chromium	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A3
	97	(70 - 130)	0.92	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A4
			Dilution Factor: 1				
Copper	97	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A5
	97	(70 - 130)	0.08	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A6
			Dilution Factor: 1				
Lead	95	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A9
	95	(70 - 130)	0.26	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CA
			Dilution Factor: 1				
Mercury	95	(69 - 134)			MCAWW 245.1	05/10-05/11/10	L08RT1CN
	93	(69 - 134)	2.3	(0-20)	MCAWW 245.1	05/10-05/11/10	L08RT1CP
			Dilution Factor: 1				
Nickel	99	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1A7
	100	(70 - 130)	0.69	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1A8
			Dilution Factor: 1				
Selenium	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CJ
	97	(70 - 130)	0.61	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CK
			Dilution Factor: 1				

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A0E080468

Matrix.....: WG

Date Sampled...: 05/07/10 10:05 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Silver	98	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1AV
	98	(70 - 130)	0.34	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1AW
			Dilution Factor: 1				
Thallium	94	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CL
	95	(70 - 130)	0.83	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CM
			Dilution Factor: 1				
Zinc	96	(70 - 130)			MCAWW 200.8	05/10-05/11/10	L08RT1CC
	97	(70 - 130)	0.76	(0-20)	MCAWW 200.8	05/10-05/11/10	L08RT1CD
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E080468

Matrix.....: WATER

Date Sampled...: 05/07/10 10:10 Date Received...: 05/08/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total			WO#:	L08WR1AU-MS/L08WR1AV-MSD	MS	Lot-Sample #:	A0E080486-005
	NC,MSB	(42 - 140)			SM18 4500-CN E	05/18/10	0138360
	NC,MSB	(42 - 140)		(0-20)	SM18 4500-CN E	05/18/10	0138360
			Dilution Factor: 1				
Nitrogen, as Ammonia			WO#:	L0T8J1A9-MS/L0T8J1CA-MSD	MS	Lot-Sample #:	A0D300579-008
	93	(75 - 125)			SM18 4500NH3-F	05/18/10	0138247
	97	(75 - 125)	3.5	(0-20)	SM18 4500NH3-F	05/18/10	0138247
			Dilution Factor: 1				
Total phosphorus			WO#:	L08251AD-MS/L08251AE-MSD	MS	Lot-Sample #:	A0E080506-001
	96	(10 - 199)			SM18 4500-P E	05/14/10	0134419
	95	(10 - 199)	0.31	(0-46)	SM18 4500-P E	05/14/10	0134419
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AOE080468

North Canton Facility

Client MACTEC Project Southland By: [Signature]

Cooler Received on 5/8/10 Opened on 5/8/10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA

If YES, Quantity 4 Quantity Unsalvageable 3

Were custody seals on the outside of cooler(s) signed and dated? Yes No NA

Were custody seals on the bottle(s)? Yes No

If YES, are there any exceptions? _____

2. Shippers' packing slip attached to the cooler(s)? Yes No

3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No

4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other _____

6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps

METHOD: IR Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were sample(s) at the correct pH upon receipt? Yes No NA

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Were air bubbles >6 mm in any VOA vials? Yes No NA

12. Sufficient quantity received to perform indicated analyses? Yes No

13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

14. CHAIN OF CUSTODY

The following discrepancies occurred:

Will log NH₃, Total Metals, BOD, T-Phosphorus, & TSS as Comp samples per past. Will log remainder of analysis as Grab per past.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample

Receiving to meet recommended pH level(s). Nitric Acid Lot# 121709-HNO₃; Sulfuric Acid Lot# 121709-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-

(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

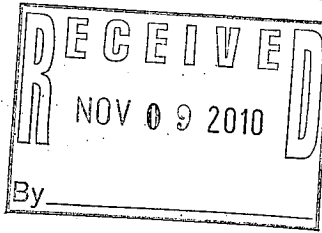
Client ID	pH	Date	Initials
EW-4	222222 >12 222222	5/8/10	J
EW-5	222222 >12 222222		J

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
<u>Cooler #</u>	<u>Temp. °C</u>	<u>Method</u>	<u>Coolant</u>
241-957	2.3	IR	ICA
241-954	1.7	J	J

Discrepancies Cont'd:

END OF REPORT



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

SOUTH BEND-OFFSITE PLUME

Lot #: A0J210463

Steven Murray

Mactec Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

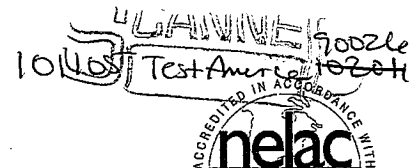
TESTAMERICA LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "Mark J. Loeb".

Approved for release.
Mark J. Loeb
Project Manager II
11/5/2010 12:44 PM

Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

November 05, 2010



CASE NARRATIVE

A0J210463

The following report contains the analytical results for four water samples submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the SOUTH BEND-OFFSITE PLUME Site. The samples were received October 21, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on November 03, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Due to a sample receiving oversight the cooler temperatures were not recorded on the cooler receipt form provided with this data package. The check boxes for the method used (IR) and coolant (wet ice) were marked indicating that the temperature was measured. The project was not flagged for a high temperature indicating the cooler was within the 4 degree (+/- 2 degrees) Celsius range.

GC/MS VOLATILES

The matrix spike/matrix spike duplicate(s) for batch(es) 0305407 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

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EXECUTIVE SUMMARY - Detection Highlights

A0J210463

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
S-22 10 10 10/18/10 14:00 001				
Carbon disulfide	2.2	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	36	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	17	1.0	ug/L	SW846 8260B
Vinyl chloride	25	1.0	ug/L	SW846 8260B
PZ-22A 10 10 10/18/10 14:45 002				
cis-1,2-Dichloroethene	73	2.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	17	2.0	ug/L	SW846 8260B
Vinyl chloride	5.5	2.0	ug/L	SW846 8260B
S-23 10 10 10/18/10 16:30 003				
Carbon disulfide	2.2	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	2.5	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.0	1.0	ug/L	SW846 8260B
Trichloroethene	4.6	1.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A0J210463

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0J210463

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L8VA3	001	S-22 10 10	10/18/10	14:00
L8VA6	002	PZ-22A 10 10	10/18/10	14:45
L8VA7	003	S-23 10 10	10/18/10	16:30
L8VA8	004	PZ-23A 10 10	10/18/10	15:25

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-001 Work Order #....: L8VA31AA Matrix.....: WG
 Date Sampled....: 10/18/10 14:00 Date Received...: 10/21/10
 Prep Date.....: 10/31/10 Analysis Date...: 10/31/10
 Prep Batch #....: 0305407
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	2.2	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	36	1.0	ug/L
trans-1,2-Dichloroethene	17	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-001 Work Order #....: L8VA31AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	25	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-22 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-001 Work Order #....: L8VA31AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	108	(75 - 121)
1,2-Dichloroethane-d4	98	(63 - 129)
Toluene-d8	99	(74 - 115)
4-Bromofluorobenzene	89	(66 - 117)

MACTEC Engineering and Consulting Inc

Client Sample ID: PZ-22A 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-002 Work Order #....: L8VA61AA Matrix.....: WG
 Date Sampled....: 10/18/10 14:45 Date Received...: 10/21/10
 Prep Date.....: 10/31/10 Analysis Date...: 10/31/10
 Prep Batch #....: 0305407
 Dilution Factor: 2 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	20	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Methyl ethyl ketone	ND	20	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
2-Chloroethyl vinyl ether	ND	20	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
cis-1,2-Dichloroethene	73	2.0	ug/L
trans-1,2-Dichloroethene	17	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
Dichlorofluoromethane	ND	4.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: PZ-22A 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-002 Work Order #....: L8VA61AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Diethyl ether	ND	4.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Methyl tert-butyl ether (MTBE)	ND	10	ug/L
Naphthalene	ND	2.0	ug/L
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Tetrahydrofuran	ND	10	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	5.5	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
o-Xylene	ND	2.0	ug/L
Cyclohexanone	ND	40	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: PZ-22A 10 10

GC/MS Volatiles

Lot-Sample #...: A0J210463-002 Work Order #...: L8VA61AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1-Chlorohexane	ND	2.0	ug/L
n-Heptane	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	107	(75 - 121)
1,2-Dichloroethane-d4	97	(63 - 129)
Toluene-d8	98	(74 - 115)
4-Bromofluorobenzene	88	(66 - 117)

MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-003 Work Order #....: L8VA71AA Matrix.....: WG
 Date Sampled....: 10/18/10 16:30 Date Received...: 10/21/10
 Prep Date.....: 10/31/10 Analysis Date...: 10/31/10
 Prep Batch #....: 0305407
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	2.2	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	2.5	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	3.0	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-003 Work Order #....: L8VA71AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	4.6	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: S-23 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-003 Work Order #....: L8VA71AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	107	(75 - 121)
1,2-Dichloroethane-d4	94	(63 - 129)
Toluene-d8	94	(74 - 115)
4-Bromofluorobenzene	85	(66 - 117)

MACTEC Engineering and Consulting Inc

Client Sample ID: PZ-23A 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-004 Work Order #....: L8VA81AA Matrix.....: WG
 Date Sampled...: 10/18/10 15:25 Date Received...: 10/21/10
 Prep Date.....: 10/31/10 Analysis Date...: 10/31/10
 Prep Batch #....: 0305407
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Methyl ethyl ketone	ND	10	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
2-Chloroethyl vinyl ether	ND	10	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: PZ-23A 10 10

GC/MS Volatiles

Lot-Sample #...: A0J210463-004 Work Order #...: L8VA81AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Tetrahydrofuran	ND	5.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: PZ-23A 10 10

GC/MS Volatiles

Lot-Sample #....: A0J210463-004 Work Order #....: L8VA81AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1-Chlorohexane	ND	1.0	ug/L
n-Heptane	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	112	(75 - 121)
1,2-Dichloroethane-d4	100	(63 - 129)
Toluene-d8	94	(74 - 115)
4-Bromofluorobenzene	85	(66 - 117)

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0J210463
 MB Lot-Sample #: A0K010000-407

Work Order #...: L9EEW1AA

Matrix.....: WATER

Prep Date.....: 10/31/10

Analysis Date...: 10/31/10

Prep Batch #...: 0305407

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1-Chlorohexane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- 2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: A0J210463

Work Order #....: L9EEW1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Diethyl ether	ND	2.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	2.1	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0J210463

Work Order #...: L9EEW1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
Dibromofluoromethane	107	(75 - 121)		
1,2-Dichloroethane-d4	103	(63 - 129)		
Toluene-d8	98	(74 - 115)		
4-Bromofluorobenzene	87	(66 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: AOK010000-407 L9EEW1AD-LCSD
 Prep Date.....: 10/31/10 Analysis Date...: 10/31/10
 Prep Batch #...: 0305407
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
Chloromethane	108	(44 - 126)			SW846 8260B
	112	(44 - 126)	4.0	(0-30)	SW846 8260B
Bromomethane	63	(11 - 185)			SW846 8260B
	83	(11 - 185)	27	(0-30)	SW846 8260B
Vinyl chloride	106	(53 - 127)			SW846 8260B
	104	(53 - 127)	1.3	(0-30)	SW846 8260B
Chloroethane	95	(25 - 153)			SW846 8260B
	102	(25 - 153)	6.5	(0-30)	SW846 8260B
Methylene chloride	126	(66 - 131)			SW846 8260B
	128	(66 - 131)	1.2	(0-30)	SW846 8260B
Acetone	62	(43 - 136)			SW846 8260B
	64	(43 - 136)	2.7	(0-30)	SW846 8260B
Carbon disulfide	110	(62 - 142)			SW846 8260B
	110	(62 - 142)	0.0	(0-30)	SW846 8260B
1,1-Dichloroethene	105	(78 - 131)			SW846 8260B
	104	(78 - 131)	0.86	(0-30)	SW846 8260B
1,1-Dichloroethane	105	(82 - 115)			SW846 8260B
	107	(82 - 115)	1.6	(0-30)	SW846 8260B
Chloroform	104	(79 - 117)			SW846 8260B
	105	(79 - 117)	0.45	(0-30)	SW846 8260B
1,2-Dichloroethane	95	(71 - 127)			SW846 8260B
	95	(71 - 127)	0.060	(0-30)	SW846 8260B
Methyl ethyl ketone	72	(60 - 126)			SW846 8260B
	71	(60 - 126)	1.7	(0-30)	SW846 8260B
1,1,1-Trichloroethane	90	(74 - 118)			SW846 8260B
	91	(74 - 118)	0.78	(0-30)	SW846 8260B
Carbon tetrachloride	100	(66 - 128)			SW846 8260B
	101	(66 - 128)	0.89	(0-30)	SW846 8260B
Bromodichloromethane	98	(72 - 121)			SW846 8260B
	99	(72 - 121)	0.19	(0-30)	SW846 8260B
1,2-Dichloropropane	111	(81 - 115)			SW846 8260B
	110	(81 - 115)	0.58	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	78	(61 - 115)			SW846 8260B
	79	(61 - 115)	2.0	(0-30)	SW846 8260B
Trichloroethene	99	(76 - 117)			SW846 8260B
	98	(76 - 117)	0.54	(0-20)	SW846 8260B
Chlorodibromomethane	94	(64 - 119)			SW846 8260B
	94	(64 - 119)	0.29	(0-30)	SW846 8260B
1,1,2-Trichloroethane	102	(80 - 112)			SW846 8260B
	100	(80 - 112)	1.5	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: AOK010000-407 L9EEW1AD-LCSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	105	(83 - 112)			SW846 8260B
	105	(83 - 112)	0.19	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	74	(58 - 117)			SW846 8260B
	76	(58 - 117)	2.6	(0-30)	SW846 8260B
Bromoform	87	(40 - 131)			SW846 8260B
	88	(40 - 131)	1.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	73	(63 - 128)			SW846 8260B
	77	(63 - 128)	5.6	(0-30)	SW846 8260B
2-Hexanone	81	(55 - 133)			SW846 8260B
	80	(55 - 133)	0.68	(0-30)	SW846 8260B
Tetrachloroethene	100	(79 - 114)			SW846 8260B
	101	(79 - 114)	1.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	90	(68 - 118)			SW846 8260B
	90	(68 - 118)	0.88	(0-30)	SW846 8260B
Toluene	108	(84 - 111)			SW846 8260B
	106	(84 - 111)	1.2	(0-30)	SW846 8260B
Chlorobenzene	103	(85 - 110)			SW846 8260B
	103	(85 - 110)	0.010	(0-30)	SW846 8260B
Ethylbenzene	104	(83 - 112)			SW846 8260B
	104	(83 - 112)	0.78	(0-30)	SW846 8260B
Styrene	104	(79 - 114)			SW846 8260B
	104	(79 - 114)	0.11	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(80 - 113)			SW846 8260B
	103	(80 - 113)	1.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	106	(83 - 117)			SW846 8260B
	108	(83 - 117)	2.0	(0-30)	SW846 8260B
Dichlorodifluoromethane	100	(19 - 129)			SW846 8260B
	94	(19 - 129)	6.8	(0-30)	SW846 8260B
Trichlorofluoromethane	134	(49 - 157)			SW846 8260B
	134	(49 - 157)	0.43	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	108	(74 - 151)			SW846 8260B
	104	(74 - 151)	4.2	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	135	(52 - 144)			SW846 8260B
	141	(52 - 144)	4.8	(0-30)	SW846 8260B
1,2-Dibromoethane	88	(79 - 113)			SW846 8260B
	89	(79 - 113)	1.1	(0-30)	SW846 8260B
Isopropylbenzene	97	(75 - 114)			SW846 8260B
	97	(75 - 114)	0.20	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: AOK010000-407 L9EEW1AD-LCSD

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,3-Dichlorobenzene	97	(80 - 110)			SW846 8260B
	98	(80 - 110)	0.40	(0-30)	SW846 8260B
1,4-Dichlorobenzene	97	(82 - 110)			SW846 8260B
	97	(82 - 110)	0.030	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(81 - 110)			SW846 8260B
	94	(81 - 110)	1.5	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	58	(42 - 136)			SW846 8260B
	58	(42 - 136)	1.2	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	67	(48 - 135)			SW846 8260B
	68	(48 - 135)	0.45	(0-30)	SW846 8260B
o-Xylene	102	(83 - 113)			SW846 8260B
	103	(83 - 113)	1.2	(0-30)	SW846 8260B
m-Xylene & p-Xylene	107	(83 - 113)			SW846 8260B
	108	(83 - 113)	0.93	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	105	(52 - 131)			SW846 8260B
	114	(52 - 131)	7.7	(0-30)	SW846 8260B
Acrolein	83	(51 - 170)			SW846 8260B
	86	(51 - 170)	4.4	(0-30)	SW846 8260B
Vinyl acetate	40 a	(46 - 161)			SW846 8260B
	40 a	(46 - 161)	1.3	(0-30)	SW846 8260B
Acrylonitrile	93	(66 - 132)			SW846 8260B
	97	(66 - 132)	4.6	(0-30)	SW846 8260B
Bromobenzene	94	(76 - 115)			SW846 8260B
	96	(76 - 115)	1.5	(0-30)	SW846 8260B
Bromochloromethane	99	(77 - 120)			SW846 8260B
	102	(77 - 120)	2.8	(0-30)	SW846 8260B
n-Butylbenzene	96	(66 - 125)			SW846 8260B
	95	(66 - 125)	1.0	(0-30)	SW846 8260B
sec-Butylbenzene	92	(70 - 117)			SW846 8260B
	92	(70 - 117)	0.32	(0-30)	SW846 8260B
tert-Butylbenzene	87	(71 - 115)			SW846 8260B
	87	(71 - 115)	0.18	(0-30)	SW846 8260B
2-Chlorotoluene	99	(76 - 116)			SW846 8260B
	99	(76 - 116)	0.63	(0-30)	SW846 8260B
4-Chlorotoluene	102	(77 - 115)			SW846 8260B
	102	(77 - 115)	0.71	(0-30)	SW846 8260B
Dibromomethane	100	(81 - 120)			SW846 8260B
	101	(81 - 120)	0.99	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A0J210463 Work Order #....: L8VD11AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0J210469-007 L8VD11AD-MSD
 Date Sampled...: 10/19/10 13:10 Date Received...: 10/21/10
 Prep Date.....: 10/31/10 Analysis Date...: 10/31/10
 Prep Batch #....: 0305407
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	112	(74 - 135)			SW846 8260B
	106	(74 - 135)	6.2	(0-30)	SW846 8260B
Chloromethane	96	(33 - 132)			SW846 8260B
	90	(33 - 132)	6.4	(0-30)	SW846 8260B
Bromomethane	122	(10 - 186)			SW846 8260B
	100	(10 - 186)	20	(0-30)	SW846 8260B
Vinyl chloride	107	(49 - 130)			SW846 8260B
	102	(49 - 130)	3.8	(0-30)	SW846 8260B
Chloroethane	127	(21 - 165)			SW846 8260B
	119	(21 - 165)	6.2	(0-30)	SW846 8260B
Methylene chloride	103	(63 - 128)			SW846 8260B
	98	(63 - 128)	5.8	(0-30)	SW846 8260B
Acetone	55	(33 - 145)			SW846 8260B
	51	(33 - 145)	8.2	(0-30)	SW846 8260B
Carbon disulfide	125	(57 - 147)			SW846 8260B
	116	(57 - 147)	7.0	(0-30)	SW846 8260B
1,1-Dichloroethane	108	(79 - 116)			SW846 8260B
	103	(79 - 116)	4.3	(0-30)	SW846 8260B
Chloroform	106	(76 - 118)			SW846 8260B
	99	(76 - 118)	6.9	(0-30)	SW846 8260B
1,2-Dichloroethane	89	(68 - 129)			SW846 8260B
	84	(68 - 129)	6.0	(0-30)	SW846 8260B
Methyl ethyl ketone	61	(54 - 129)			SW846 8260B
	57	(54 - 129)	6.9	(0-30)	SW846 8260B
1,1,1-Trichloroethane	99	(68 - 121)			SW846 8260B
	94	(68 - 121)	4.7	(0-30)	SW846 8260B
Carbon tetrachloride	107	(59 - 129)			SW846 8260B
	101	(59 - 129)	5.8	(0-30)	SW846 8260B
Bromodichloromethane	98	(67 - 120)			SW846 8260B
	91	(67 - 120)	7.0	(0-30)	SW846 8260B
1,2-Dichloropropane	108	(78 - 115)			SW846 8260B
	103	(78 - 115)	5.3	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	69	(51 - 110)			SW846 8260B
	65	(51 - 110)	6.1	(0-30)	SW846 8260B
Trichloroethene	97	(66 - 120)			SW846 8260B
	94	(66 - 120)	3.6	(0-30)	SW846 8260B
Chlorodibromomethane	89	(56 - 118)			SW846 8260B
	82	(56 - 118)	9.0	(0-30)	SW846 8260B
1,1,2-Trichloroethane	94	(75 - 115)			SW846 8260B
	88	(75 - 115)	6.6	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L8VD11AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0J210469-007 L8VD11AD-MSD

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>		<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
Benzene	105	(72 - 121)			SW846 8260B
	100	(72 - 121)	4.9	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	67	(46 - 116)			SW846 8260B
	64	(46 - 116)	5.4	(0-30)	SW846 8260B
Bromoform	79	(32 - 128)			SW846 8260B
	76	(32 - 128)	3.9	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIB)	66	(56 - 131)			SW846 8260B
	60	(56 - 131)	9.9	(0-30)	SW846 8260B
2-Hexanone	74	(47 - 139)			SW846 8260B
	68	(47 - 139)	9.7	(0-30)	SW846 8260B
Tetrachloroethene	99	(70 - 117)			SW846 8260B
	97	(70 - 117)	1.8	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(63 - 122)			SW846 8260B
	86	(63 - 122)	1.9	(0-30)	SW846 8260B
Toluene	106	(78 - 114)			SW846 8260B
	103	(78 - 114)	3.2	(0-30)	SW846 8260B
Chlorobenzene	100	(80 - 110)			SW846 8260B
	97	(80 - 110)	3.3	(0-30)	SW846 8260B
Ethylbenzene	104	(75 - 116)			SW846 8260B
	99	(75 - 116)	5.1	(0-30)	SW846 8260B
Styrene	100	(71 - 117)			SW846 8260B
	96	(71 - 117)	4.5	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	104	(70 - 120)			SW846 8260B
	98	(70 - 120)	6.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	113	(80 - 119)			SW846 8260B
	107	(80 - 119)	5.9	(0-30)	SW846 8260B
Dichlorodifluoromethane	112	(17 - 128)			SW846 8260B
	107	(17 - 128)	4.8	(0-30)	SW846 8260B
Trichlorofluoromethane	147	(46 - 157)			SW846 8260B
	136	(46 - 157)	7.4	(0-30)	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	121	(70 - 152)			SW846 8260B
	112	(70 - 152)	7.8	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	135	(46 - 144)			SW846 8260B
	126	(46 - 144)	6.8	(0-30)	SW846 8260B
1,2-Dibromoethane	82	(74 - 113)			SW846 8260B
	76	(74 - 113)	7.5	(0-30)	SW846 8260B
Isopropylbenzene	99	(68 - 116)			SW846 8260B
	96	(68 - 116)	3.0	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L8VD11AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0J210469-007 L8VD11AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichlorobenzene	98	(73 - 110)			SW846 8260B
	93	(73 - 110)	4.9	(0-30)	SW846 8260B
1,4-Dichlorobenzene	94	(75 - 110)			SW846 8260B
	91	(75 - 110)	3.2	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(75 - 111)			SW846 8260B
	91	(75 - 111)	3.9	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro- propane	58	(32 - 139)			SW846 8260B
	56	(32 - 139)	3.2	(0-30)	SW846 8260B
1,2,4-Trichloro- benzene	66	(38 - 138)			SW846 8260B
	68	(38 - 138)	2.4	(0-30)	SW846 8260B
o-Xylene	103	(76 - 116)			SW846 8260B
	98	(76 - 116)	4.5	(0-30)	SW846 8260B
m-Xylene & p-Xylene	107	(75 - 117)			SW846 8260B
	102	(75 - 117)	4.5	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(10 - 150)			SW846 8260B
	0.0 a	(10 - 150)	0.0	(0-30)	SW846 8260B
Acrolein	70	(47 - 168)			SW846 8260B
	63	(47 - 168)	10	(0-30)	SW846 8260B
Acrylonitrile	84	(62 - 133)			SW846 8260B
	76	(62 - 133)	9.7	(0-30)	SW846 8260B
Vinyl acetate	50	(43 - 157)			SW846 8260B
	47	(43 - 157)	7.7	(0-30)	SW846 8260B
Bromobenzene	90	(71 - 116)			SW846 8260B
	88	(71 - 116)	3.1	(0-30)	SW846 8260B
Bromochloromethane	97	(73 - 121)			SW846 8260B
	90	(73 - 121)	7.8	(0-30)	SW846 8260B
n-Butylbenzene	100	(56 - 127)			SW846 8260B
	97	(56 - 127)	3.2	(0-30)	SW846 8260B
sec-Butylbenzene	97	(60 - 119)			SW846 8260B
	95	(60 - 119)	2.8	(0-30)	SW846 8260B
tert-Butylbenzene	90	(61 - 119)			SW846 8260B
	88	(61 - 119)	2.2	(0-30)	SW846 8260B
2-Chlorotoluene	99	(69 - 117)			SW846 8260B
	96	(69 - 117)	3.2	(0-30)	SW846 8260B
4-Chlorotoluene	102	(71 - 116)			SW846 8260B
	99	(71 - 116)	2.7	(0-30)	SW846 8260B
Dibromomethane	94	(77 - 121)			SW846 8260B
	85	(77 - 121)	10	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L8VD11AC-MS Matrix.....: WATER
 MS Lot-Sample #: A0J210469-007 L8VD11AD-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
1,3-Dichloropropane	92	(74 - 118)			SW846 8260B
	86	(74 - 118)	6.2	(0-30)	SW846 8260B
2,2-Dichloropropane	76	(38 - 127)			SW846 8260B
	73	(38 - 127)	4.3	(0-30)	SW846 8260B
1,1-Dichloropropene	105	(80 - 114)			SW846 8260B
	103	(80 - 114)	1.6	(0-30)	SW846 8260B
Hexachlorobutadiene	71	(27 - 132)			SW846 8260B
	76	(27 - 132)	7.1	(0-30)	SW846 8260B
Iodomethane	111	(66 - 144)			SW846 8260B
	105	(66 - 144)	5.8	(0-30)	SW846 8260B
p-Isopropyltoluene	97	(64 - 122)			SW846 8260B
	94	(64 - 122)	3.4	(0-30)	SW846 8260B
Naphthalene	51	(15 - 158)			SW846 8260B
	51	(15 - 158)	0.82	(0-30)	SW846 8260B
n-Propylbenzene	102	(64 - 124)			SW846 8260B
	97	(64 - 124)	4.7	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	96	(64 - 118)			SW846 8260B
	95	(64 - 118)	1.6	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	68	(45 - 129)			SW846 8260B
	68	(45 - 129)	0.84	(0-30)	SW846 8260B
1,2,3-Trichloropropane	80	(67 - 132)			SW846 8260B
	75	(67 - 132)	5.6	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	101	(67 - 124)			SW846 8260B
	96	(67 - 124)	4.8	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	97	(63 - 121)			SW846 8260B
	94	(63 - 121)	3.4	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	105	(75 - 121)
	97	(75 - 121)
1,2-Dichloroethane-d4	92	(63 - 129)
	85	(63 - 129)
Toluene-d8	106	(74 - 115)
	101	(74 - 115)
4-Bromofluorobenzene	101	(66 - 117)
	97	(66 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

North Canton
 4101 Shuffel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



TestAmerica Laboratories, Inc.

Company: MACTEC Engineering and Consulting, Inc. Project Manager: Steve Murray
 Address: 41 Hughes Drive Tel/Fax: (231) 922-9050
 City/State/Zip: Traverse City, Michigan 49686 Analysis Turnaround Time
 (231) 922-9050 Phone
 (231) 922-9055 FAX TAT if different from Below
 Project Name: Honeywell South Bend - Offsite Plume 2 weeks
 Site: South Bend 1 week
 P.O.#: 5133286 2 days
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Lab Contact: Mark Loeb	Date: 10/20/06	Carrier: FSD BX	COC No. 1 of 3 COCs	Job No.	SDG No.
S-22 10 10	10/18/10	1400	VOL/GAS	H2O	3	VOCs - 8260 B					
PZ-22A 10 10	10/18/10	1445	VOL/GAS	H2O	3						
S-23 10 10	10/18/10	1630	VOL/GAS	H2O	3						
PZ-23A 10 10	10/18/10	1525	VOL/GAS	H2O	3						

Sample Specific Notes:

Preservation Used: 1=Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other
 Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown
 Special Instructions/OC Requirements & Comments:
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Relinquished by: BOB T. ROBERTSON Company: MACTEC Date/Time: 10/19/10/1715 Received by: Company: Received by: Date/Time: 10/21/10 900
 Relinquished by: Company: Date/Time: Received by: Company: Date/Time:

TestAmerica Cooler Receipt Form/Narrative

Lot Number: A0210463

North Canton Facility

Client Mac Tee Project Office to Plume By: Chris Lopez
 Cooler Received on 10/21/10 Opened on 10/21/10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____
 TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
 If YES, Quantity 2 Quantity Unsalvageable _____
 Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
 Were custody seals on the bottle(s)? Yes No
 If YES, are there any exceptions? _____ Yes No
 2. Shippers' packing slip attached to the cooler(s)? Yes No Relinquished by client? Yes No
 3. Did custody papers accompany the sample(s)? Yes No
 4. Were the custody papers signed in the appropriate place? Yes No
 5. Packing material used: Bubble Wrap Foam None Other _____
 6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps
 METHOD: IR Other
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 7. Did all bottles arrive in good condition (Unbroken)? Yes No
 8. Could all bottle labels be reconciled with the COC? Yes No
 9. Were sample(s) at the correct pH upon receipt? Yes No NA
 10. Were correct bottle(s) used for the test(s) indicated? Yes No
 11. Were air bubbles >6 mm in any VOA vials? Yes No NA
 12. Sufficient quantity received to perform indicated analyses? Yes No
 13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No
- Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

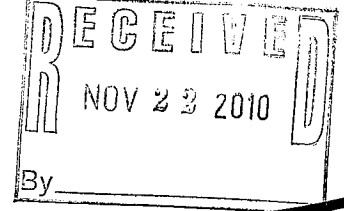
Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 051010-HNO₃; Sulfuric Acid Lot# 051010-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

END OF REPORT



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310090039.6100.1

SOUTH BEND

Lot #: A0K060451

Steven Murray

Mactec Engineering & Consultan

41 Hughes Drive

Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "Mark J. Loeb".

Approved for release.
Mark J. Loeb
Project Manager II
11/22/2010 3:05 PM

Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

November 22, 2010

10/22/2010 Test America 11/20/10



CASE NARRATIVE

A0K060451

The following report contains the analytical results for thirty-nine water samples and two quality control samples submitted to TestAmerica North Canton by Mactec Engineering And Consulting Inc from the SOUTH BEND Site, project number 3310090039.6100.1. The samples were received November 06, 2010, according to documented sample acceptance procedures.

The 8260 analysis was performed at the TestAmerica Burlington Laboratory. Refer to the TestAmerica Burlington narrative included in their data package for additional information.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on November 11, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 1.2 and 2.4°C.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the re-preparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada (#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit

N:\QAQC\Customer Service\Narrative - Combined RCRA _CWA 032609.doc

BURLINGTON DATA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-2452-1
Client Project/Site: South Bend

For:
TestAmerica Laboratories, Inc.
4101 Shuffel Street NW
North Canton, Ohio 44720

Attn: Mark J. Loeb



Authorized for release by:
11/19/2010 3:56 PM

Joseph Carabillo
Project Manager I
joseph.carabillo@testamericainc.com

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results through

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The
Expert

Visit us at:

www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



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Qualifier Definition/Glossary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	Recovery or RPD exceeds control limits
^	Instrument related QC exceeds the control limits
B	Compound was found in the blank and sample.
F	MS/MSD Recovery or RPD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.



CASE NARRATIVE

Client: TestAmerica Laboratories, Inc.

Project: South Bend

Report Number: 200-2452-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/11/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6, 0.5, & 9.5C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AOK060451-1, AOK060451-2, AOK060451-3, AOK060451-4, AOK060451-5, AOK060451-6, AOK060451-7, AOK060451-8, AOK060451-9, AOK060451-10, AOK060451-11, AOK060451-12, AOK060451-13, AOK060451-14, AOK060451-15, AOK060451-16, AOK060451-17, AOK060451-18, AOK060451-19, AOK060451-20, AOK060451-21, AOK060451-22, AOK060451-23, AOK060451-24, AOK060451-25, AOK060451-26, AOK060451-27, AOK060451-28, AOK060451-29, AOK060451-30, AOK060451-31, AOK060451-32, AOK060451-33, AOK060451-34, AOK060451-35, AOK060451-36, AOK060451-37, AOK060451-38, AOK060451-39, AOK060451-40 and AOK060451-41 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/13/2010, 11/14/2010 and 11/15/2010.

Several analytes were detected in method blank MB 200-9558/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Several analytes were detected in method blank MB 200-9564/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene were detected in method blank MB 200-9668/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The laboratory control sample (LCS) exceeded control limits for the following analytes: carbon disulfide, methyl iodide. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS/MSD. Bromomethane and Chloromethane exceeded the rpd limit. Refer to the QC report for details.

The continuing calibration verification (CCV) for dichlorodifluoromethane, vinyl acetate recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 9564 exceeded control criteria for methyl iodide. The data have been qualified and reported.

The continuing calibration verification (CCV) for dichlorodifluoromethane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 9668 exceeded control criteria for methyl iodide. The data have been qualified and reported.

Samples AOK060451-17[4X], AOK060451-18[40X], AOK060451-20[2X], AOK060451-22[5X], AOK060451-29[2X], AOK060451-30[2X], AOK060451-33[3X] and AOK060451-34[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.



Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-1

Lab Sample ID: 200-2452-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodomethane	0.28	J	1.0	0.18	ug/L	1		8260B	Total/NA
Carbon disulfide	0.18	J B	1.0	0.13	ug/L	1		8260B	Total/NA
Benzene	0.20	J	1.0	0.19	ug/L	1		8260B	Total/NA
Toluene	0.42	J	1.0	0.19	ug/L	1		8260B	Total/NA
trans-1,3-Dichloropropene	0.22	J	1.0	0.20	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.23	J	1.0	0.21	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	0.20	J B	1.0	0.15	ug/L	1		8260B	Total/NA
Naphthalene	0.34	J B	1.0	0.15	ug/L	1		8260B	Total/NA
1,2,3-Trichlorobenzene	0.20	J B	1.0	0.14	ug/L	1		8260B	Total/NA

Client Sample ID: AOK060451-2

Lab Sample ID: 200-2452-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	11		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.38	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: AOK060451-3

Lab Sample ID: 200-2452-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodomethane	0.25	J	1.0	0.18	ug/L	1		8260B	Total/NA
Carbon disulfide	0.15	J B	1.0	0.13	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.64	J	1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.64	J	1.0	0.18	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	18		1.0	0.18	ug/L	1		8260B	Total/NA
Toluene	0.29	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: AOK060451-4

Lab Sample ID: 200-2452-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodomethane	0.26	J	1.0	0.18	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.59	J	1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.59	J	1.0	0.18	ug/L	1		8260B	Total/NA
Benzene	0.26	J	1.0	0.19	ug/L	1		8260B	Total/NA
Toluene	0.27	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: AOK060451-5

Lab Sample ID: 200-2452-5

No Detections.

Client Sample ID: AOK060451-6

Lab Sample ID: 200-2452-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	5.0	1.7	ug/L	1		8260B	Total/NA
Iodomethane	0.24	J	1.0	0.18	ug/L	1		8260B	Total/NA
Carbon disulfide	0.22	J B	1.0	0.13	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.2		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	25		1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.18	ug/L	1		8260B	Total/NA
Benzene	0.96	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: AOK060451-7

Lab Sample ID: 200-2452-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodomethane	0.19	J	1.0	0.18	ug/L	1		8260B	Total/NA

TestAmerica Burlington

Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-7 (Continued)

Lab Sample ID: 200-2452-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	2.4		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	8.6		1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	6.2		1.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.9		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-8

Lab Sample ID: 200-2452-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J	5.0	1.7	ug/L	1		8260B	Total/NA
Carbon disulfide	0.13	J B	1.0	0.13	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.66	J	1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.66	J	1.0	0.18	ug/L	1		8260B	Total/NA
Benzene	0.25	J	1.0	0.19	ug/L	1		8260B	Total/NA
Toluene	0.32	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-9

Lab Sample ID: 200-2452-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iodomethane	0.19	J	1.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-10

Lab Sample ID: 200-2452-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.69	J	1.0	0.34	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.5		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	60		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	3.7		1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	53		1.0	0.18	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	52		1.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.59	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-11

Lab Sample ID: 200-2452-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.8		1.0	0.34	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.50	J	1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.7		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.80	J	1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.18	ug/L	1		8260B	Total/NA
Benzene	0.19	J	1.0	0.19	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.33	J	1.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-12

Lab Sample ID: 200-2452-12

No Detections.

Client Sample ID: A0K060451-13

Lab Sample ID: 200-2452-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.80	J	1.0	0.34	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.89	J	1.0	0.23	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.0		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	67		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.8		1.0	0.18	ug/L	1		8260B	Total/NA

TestAmerica Burlington

Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-13 (Continued)

Lab Sample ID: 200-2452-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	63		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	6.6		1.0	0.20	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	55		1.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	23		1.0	0.17	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	1.1		1.0	0.21	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-14

Lab Sample ID: 200-2452-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.23	J	1.0	0.18	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.55	J	1.0	0.34	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-15

Lab Sample ID: 200-2452-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.24	J B	1.0	0.13	ug/L	1		8260B	Total/NA
Dibromomethane	0.26	J	1.0	0.21	ug/L	1		8260B	Total/NA
trans-1,3-Dichloropropene	0.27	J	1.0	0.20	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	0.27	J B	1.0	0.15	ug/L	1		8260B	Total/NA
Naphthalene	0.29	J B	1.0	0.15	ug/L	1		8260B	Total/NA
1,2,3-Trichlorobenzene	0.22	J B	1.0	0.14	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-16

Lab Sample ID: 200-2452-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.0		1.0	0.34	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.57	J	1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.75	J	1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.57	J	1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	4.9		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	22		1.0	0.17	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	0.97	J	1.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.1		1.0	0.34	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-17

Lab Sample ID: 200-2452-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	31		4.4	1.5	ug/L	4.4		8260B	Total/NA
1,1-Dichloroethene	1.2	J	4.4	1.0	ug/L	4.4		8260B	Total/NA
trans-1,2-Dichloroethene	8.6		4.4	0.62	ug/L	4.4		8260B	Total/NA
1,2-Dichloroethene, Total	350		4.4	1.4	ug/L	4.4		8260B	Total/NA
1,1-Dichloroethane	10		4.4	0.79	ug/L	4.4		8260B	Total/NA
cis-1,2-Dichloroethene	340		4.4	0.79	ug/L	4.4		8260B	Total/NA
1,1,1-Trichloroethane	1.4	J	4.4	0.88	ug/L	4.4		8260B	Total/NA
Trichloroethene	3.0	J	4.4	0.75	ug/L	4.4		8260B	Total/NA
Cyclohexane, methyl-	16		4.4	0.70	ug/L	4.4		8260B	Total/NA

Client Sample ID: A0K060451-18

Lab Sample ID: 200-2452-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	170		40	14	ug/L	40		8260B	Total/NA
1,1-Dichloroethene	23	J	40	9.2	ug/L	40		8260B	Total/NA
trans-1,2-Dichloroethene	41		40	5.6	ug/L	40		8260B	Total/NA
1,2-Dichloroethene, Total	3500		40	12	ug/L	40		8260B	Total/NA

TestAmerica Burlington

Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-18 (Continued)

Lab Sample ID: 200-2452-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	170		40	7.2	ug/L	40		8260B	Total/NA
cis-1,2-Dichloroethene	3500		40	7.2	ug/L	40		8260B	Total/NA
1,1,1-Trichloroethane	610		40	8.0	ug/L	40		8260B	Total/NA
1,2-Dichloroethane	31	J	40	7.2	ug/L	40		8260B	Total/NA
Trichloroethene	12	J	40	6.8	ug/L	40		8260B	Total/NA

Client Sample ID: A0K060451-19

Lab Sample ID: 200-2452-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	7.6		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	59		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.6		1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	51		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	1.0		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	7.9		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-20

Lab Sample ID: 200-2452-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	17		2.0	0.68	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	0.62	J	2.0	0.46	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	1.3	J	2.0	0.28	ug/L	2		8260B	Total/NA
1,2-Dichloroethene, Total	140		2.0	0.62	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	10		2.0	0.36	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	140		2.0	0.36	ug/L	2		8260B	Total/NA
1,1,1-Trichloroethane	2.4		2.0	0.40	ug/L	2		8260B	Total/NA
1,2-Dichloroethane	0.61	J	2.0	0.36	ug/L	2		8260B	Total/NA
Trichloroethene	14		2.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: A0K060451-21

Lab Sample ID: 200-2452-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	0.33	J	1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.33	J	1.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-22

Lab Sample ID: 200-2452-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	34		4.7	1.6	ug/L	4.7		8260B	Total/NA
1,1-Dichloroethene	1.1	J	4.7	1.1	ug/L	4.7		8260B	Total/NA
trans-1,2-Dichloroethene	8.9		4.7	0.66	ug/L	4.7		8260B	Total/NA
1,2-Dichloroethene, Total	360		4.7	1.5	ug/L	4.7		8260B	Total/NA
1,1-Dichloroethane	9.6		4.7	0.85	ug/L	4.7		8260B	Total/NA
cis-1,2-Dichloroethene	350		4.7	0.85	ug/L	4.7		8260B	Total/NA
1,1,1-Trichloroethane	1.3	J	4.7	0.94	ug/L	4.7		8260B	Total/NA
Trichloroethene	2.7	J	4.7	0.80	ug/L	4.7		8260B	Total/NA
Cyclohexane, methyl-	16		4.7	0.75	ug/L	4.7		8260B	Total/NA

Client Sample ID: A0K060451-23

Lab Sample ID: 200-2452-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	0.31	J	1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.31	J	1.0	0.18	ug/L	1		8260B	Total/NA

TestAmerica Burlington

Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-24

Lab Sample ID: 200-2452-24

No Detections.

Client Sample ID: A0K060451-25

Lab Sample ID: 200-2452-25

No Detections.

Client Sample ID: A0K060451-26

Lab Sample ID: 200-2452-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	0.69	J	1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	13		1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.18	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	5.0		1.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-27

Lab Sample ID: 200-2452-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.28	J	1.0	0.23	ug/L	1		8260B	Total/NA
Carbon disulfide	0.17	J B	1.0	0.13	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	1.1		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	2.1		1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	2.3		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	10		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-28

Lab Sample ID: 200-2452-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.89	J	1.0	0.34	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.56	J	1.0	0.23	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.5		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	62		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.80	J	1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	54		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	3.5		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	20		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-29

Lab Sample ID: 200-2452-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	32		2.0	0.28	ug/L	2		8260B	Total/NA
1,2-Dichloroethene, Total	53		2.0	0.62	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	0.79	J	2.0	0.36	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	21		2.0	0.36	ug/L	2		8260B	Total/NA
1,1,1-Trichloroethane	1.5	J	2.0	0.40	ug/L	2		8260B	Total/NA
Trichloroethene	160		2.0	0.34	ug/L	2		8260B	Total/NA

Client Sample ID: A0K060451-30

Lab Sample ID: 200-2452-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.5		1.5	0.51	ug/L	1.5		8260B	Total/NA
trans-1,2-Dichloroethene	87		1.5	0.21	ug/L	1.5		8260B	Total/NA
1,2-Dichloroethene, Total	190		1.5	0.46	ug/L	1.5		8260B	Total/NA
cis-1,2-Dichloroethene	110		1.5	0.27	ug/L	1.5		8260B	Total/NA
Trichloroethene	17		1.5	0.26	ug/L	1.5		8260B	Total/NA

TestAmerica Burlington



Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-31

Lab Sample ID: 200-2452-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.7		1.0	0.23	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.7		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	24		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	25		1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	8.6		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	11		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-32

Lab Sample ID: 200-2452-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	54		1.0	0.34	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.34	J	1.0	0.23	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	82		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	7.7		1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	80		1.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-33

Lab Sample ID: 200-2452-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	10		3.2	0.45	ug/L	3.2		8260B	Total/NA
1,2-Dichloroethene, Total	22		3.2	0.99	ug/L	3.2		8260B	Total/NA
cis-1,2-Dichloroethene	11		3.2	0.58	ug/L	3.2		8260B	Total/NA
1,1,1-Trichloroethane	7.0		3.2	0.64	ug/L	3.2		8260B	Total/NA
Trichloroethene	240		3.2	0.54	ug/L	3.2		8260B	Total/NA

Client Sample ID: A0K060451-34

Lab Sample ID: 200-2452-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	49		1.7	0.58	ug/L	1.7		8260B	Total/NA
1,1-Dichloroethene	2.1		1.7	0.39	ug/L	1.7		8260B	Total/NA
trans-1,2-Dichloroethene	4.7		1.7	0.24	ug/L	1.7		8260B	Total/NA
1,2-Dichloroethene, Total	140		1.7	0.53	ug/L	1.7		8260B	Total/NA
1,1-Dichloroethane	19		1.7	0.31	ug/L	1.7		8260B	Total/NA
cis-1,2-Dichloroethene	140		1.7	0.31	ug/L	1.7		8260B	Total/NA

Client Sample ID: A0K060451-35

Lab Sample ID: 200-2452-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	0.74	J	1.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.74	J	1.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-36

Lab Sample ID: 200-2452-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.72	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-37

Lab Sample ID: 200-2452-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	0.65	J	1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	12		1.0	0.31	ug/L	1		8260B	Total/NA

Detection Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-37 (Continued)

Lab Sample ID: 200-2452-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		1.0	0.18	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	5.0		1.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-38

Lab Sample ID: 200-2452-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	4.4		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	16		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.43	J	1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.64	J	1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-39

Lab Sample ID: 200-2452-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	17		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	49		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.52	J	1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	32		1.0	0.18	ug/L	1		8260B	Total/NA
Methyl ethyl ketone (MEK)	2.2	J	5.0	1.0	ug/L	1		8260B	Total/NA
Trichloroethene	31		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-40

Lab Sample ID: 200-2452-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	2.7		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	11		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.84	J	1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	8.2		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.31	J	1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	19		1.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: A0K060451-41

Lab Sample ID: 200-2452-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	46		1.0	0.14	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	72		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	1.4		1.0	0.18	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	26		1.0	0.18	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	1.8		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	64		1.0	0.17	ug/L	1		8260B	Total/NA

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-1

Lab Sample ID: 200-2452-1

Date Collected: 11/02/10 10:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 10:58	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 10:58	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 10:58	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 10:58	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 10:58	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 10:58	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 10:58	1
Iodomethane	0.28	J	1.0	0.18	ug/L			11/13/10 10:58	1
Carbon disulfide	0.18	J B	1.0	0.13	ug/L			11/13/10 10:58	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 10:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 10:58	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 10:58	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 10:58	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 10:58	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 10:58	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 10:58	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 10:58	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 10:58	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 10:58	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
Benzene	0.20	J	1.0	0.19	ug/L			11/13/10 10:58	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 10:58	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 10:58	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 10:58	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 10:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 10:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 10:58	1
Toluene	0.42	J	1.0	0.19	ug/L			11/13/10 10:58	1
trans-1,3-Dichloropropene	0.22	J	1.0	0.20	ug/L			11/13/10 10:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 10:58	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 10:58	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 10:58	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 10:58	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 10:58	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 10:58	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 10:58	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-1

Lab Sample ID: 200-2452-1

Date Collected: 11/02/10 10:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 10:58	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 10:58	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 10:58	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	1
1,2,4-Trimethylbenzene	0.23	J	1.0	0.21	ug/L			11/13/10 10:58	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 10:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 10:58	1
1,2,4-Trichlorobenzene	0.20	J B	1.0	0.15	ug/L			11/13/10 10:58	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	1
Naphthalene	0.34	J B	1.0	0.15	ug/L			11/13/10 10:58	1
1,2,3-Trichlorobenzene	0.20	J B	1.0	0.14	ug/L			11/13/10 10:58	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 10:58	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 10:58	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 10:58	1
Tentatively Identified Compound									
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	None		ug/L					11/13/10 10:58	1
Surrogate									
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	108		80 - 115					11/13/10 10:58	1
Toluene-d8	106		80 - 115					11/13/10 10:58	1
Bromofluorobenzene	103		85 - 120					11/13/10 10:58	1
1,2-Dichlorobenzene-d4	100		80 - 115					11/13/10 10:58	1

Client Sample ID: AOK060451-2

Lab Sample ID: 200-2452-2

Date Collected: 11/02/10 12:50

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 11:29	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 11:29	1
Vinyl chloride	11		1.0	0.34	ug/L			11/13/10 11:29	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 11:29	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 11:29	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 11:29	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 11:29	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-2

Lab Sample ID: 200-2452-2

Date Collected: 11/02/10 12:50

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 11:29	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 11:29	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 11:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 11:29	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 11:29	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 11:29	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 11:29	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 11:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 11:29	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 11:29	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 11:29	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 11:29	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 11:29	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 11:29	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 11:29	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 11:29	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 11:29	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 11:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 11:29	1
Toluene	0.38	J	1.0	0.19	ug/L			11/13/10 11:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 11:29	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 11:29	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 11:29	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 11:29	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 11:29	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 11:29	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 11:29	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 11:29	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 11:29	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 11:29	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 11:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 11:29	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-2

Lab Sample ID: 200-2452-2

Date Collected: 11/02/10 12:50

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 11:29	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 11:29	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 11:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 11:29	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 11:29	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 11:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 11:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 11:29	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 11:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 11:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 11:29	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 11:29	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 11:29	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 11:29	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 11:29	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 11:29	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 11:29	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 11:29	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 11:29	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					11/13/10 11:29	1
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4</i>	<i>106</i>		<i>80 - 115</i>					11/13/10 11:29	1
<i>Toluene-d8</i>	<i>103</i>		<i>80 - 115</i>					11/13/10 11:29	1
<i>Bromofluorobenzene</i>	<i>99</i>		<i>85 - 120</i>					11/13/10 11:29	1
<i>1,2-Dichlorobenzene-d4</i>	<i>98</i>		<i>80 - 115</i>					11/13/10 11:29	1

Client Sample ID: A0K060451-3

Lab Sample ID: 200-2452-3

Date Collected: 11/02/10 14:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 12:01	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 12:01	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 12:01	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 12:01	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 12:01	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 12:01	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 12:01	1
Iodomethane	0.25	J	1.0	0.18	ug/L			11/13/10 12:01	1
Carbon disulfide	0.15	J B	1.0	0.13	ug/L			11/13/10 12:01	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 12:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 12:01	1
1,2-Dichloroethene, Total	0.64	J	1.0	0.31	ug/L			11/13/10 12:01	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-3

Lab Sample ID: 200-2452-3

Date Collected: 11/02/10 14:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 12:01	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 12:01	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 12:01	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	1
cis-1,2-Dichloroethene	0.64	J	1.0	0.18	ug/L			11/13/10 12:01	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 12:01	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 12:01	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 12:01	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 12:01	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	1
1,2-Dichloroethane	18		1.0	0.18	ug/L			11/13/10 12:01	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 12:01	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 12:01	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 12:01	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 12:01	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 12:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 12:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 12:01	1
Toluene	0.29	J	1.0	0.19	ug/L			11/13/10 12:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 12:01	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 12:01	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 12:01	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 12:01	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 12:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 12:01	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 12:01	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 12:01	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 12:01	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 12:01	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 12:01	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 12:01	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-3

Lab Sample ID: 200-2452-3

Date Collected: 11/02/10 14:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 12:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 12:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 12:01	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 12:01	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 12:01	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 12:01	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 12:01	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 12:01	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 12:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 12:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		80 - 115		11/13/10 12:01	1
Toluene-d8	110		80 - 115		11/13/10 12:01	1
Bromofluorobenzene	100		85 - 120		11/13/10 12:01	1
1,2-Dichlorobenzene-d4	96		80 - 115		11/13/10 12:01	1

Client Sample ID: A0K060451-4

Lab Sample ID: 200-2452-4

Date Collected: 11/03/10 10:45

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^A	1.0	0.38	ug/L			11/13/10 12:33	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 12:33	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 12:33	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 12:33	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 12:33	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 12:33	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 12:33	1
Iodomethane	0.26	J	1.0	0.18	ug/L			11/13/10 12:33	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 12:33	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 12:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 12:33	1
1,2-Dichloroethene, Total	0.59	J	1.0	0.31	ug/L			11/13/10 12:33	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 12:33	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 12:33	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 12:33	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 12:33	1
cis-1,2-Dichloroethene	0.59	J	1.0	0.18	ug/L			11/13/10 12:33	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 12:33	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 12:33	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-4

Lab Sample ID: 200-2452-4

Date Collected: 11/03/10 10:45

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 12:33	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 12:33	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
Benzene	0.26	J	1.0	0.19	ug/L			11/13/10 12:33	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 12:33	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 12:33	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 12:33	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 12:33	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 12:33	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 12:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 12:33	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 12:33	1
Toluene	0.27	J	1.0	0.19	ug/L			11/13/10 12:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 12:33	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 12:33	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 12:33	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 12:33	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 12:33	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 12:33	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 12:33	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 12:33	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 12:33	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 12:33	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 12:33	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 12:33	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 12:33	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 12:33	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 12:33	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 12:33	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 12:33	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 12:33	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 12:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 12:33	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 12:33	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 12:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 12:33	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 12:33	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-4

Lab Sample ID: 200-2452-4

Date Collected: 11/03/10 10:45

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 12:33	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 12:33	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 12:33	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 12:33	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 12:33	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 12:33	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 12:33	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 12:33	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		80 - 115					11/13/10 12:33	1
Toluene-d8	107		80 - 115					11/13/10 12:33	1
Bromofluorobenzene	99		85 - 120					11/13/10 12:33	1
1,2-Dichlorobenzene-d4	96		80 - 115					11/13/10 12:33	1

Client Sample ID: A0K060451-5

Lab Sample ID: 200-2452-5

Date Collected: 11/03/10 12:15

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 13:05	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 13:05	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 13:05	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 13:05	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 13:05	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 13:05	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 13:05	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 13:05	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 13:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 13:05	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 13:05	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 13:05	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 13:05	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 13:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 13:05	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 13:05	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 13:05	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 13:05	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-5

Lab Sample ID: 200-2452-5

Date Collected: 11/03/10 12:15

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 13:05	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 13:05	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 13:05	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 13:05	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 13:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 13:05	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 13:05	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 13:05	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 13:05	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 13:05	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 13:05	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 13:05	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 13:05	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 13:05	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 13:05	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 13:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 13:05	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 13:05	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 13:05	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 13:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 13:05	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 13:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 13:05	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 13:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 13:05	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 13:05	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 13:05	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 13:05	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 13:05	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 13:05	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 13:05	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 13:05	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 13:05	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-5

Lab Sample ID: 200-2452-5

Date Collected: 11/03/10 12:15

Matrix: Water

Date Received: 11/11/10 10:20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 13:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		80 - 115					11/13/10 13:05	1
Toluene-d8	105		80 - 115					11/13/10 13:05	1
Bromofluorobenzene	99		85 - 120					11/13/10 13:05	1
1,2-Dichlorobenzene-d4	94		80 - 115					11/13/10 13:05	1

Client Sample ID: A0K060451-6

Lab Sample ID: 200-2452-6

Date Collected: 11/03/10 12:50

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 13:37	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 13:37	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 13:37	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 13:37	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 13:37	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 13:37	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
Acetone	4.9	J	5.0	1.7	ug/L			11/13/10 13:37	1
Iodomethane	0.24	J	1.0	0.18	ug/L			11/13/10 13:37	1
Carbon disulfide	0.22	J B	1.0	0.13	ug/L			11/13/10 13:37	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 13:37	1
trans-1,2-Dichloroethene	4.2		1.0	0.14	ug/L			11/13/10 13:37	1
1,2-Dichloroethene, Total	25		1.0	0.31	ug/L			11/13/10 13:37	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 13:37	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 13:37	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 13:37	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 13:37	1
cis-1,2-Dichloroethene	20		1.0	0.18	ug/L			11/13/10 13:37	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 13:37	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 13:37	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 13:37	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 13:37	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
Benzene	0.96	J	1.0	0.19	ug/L			11/13/10 13:37	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 13:37	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 13:37	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 13:37	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 13:37	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 13:37	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 13:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 13:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 13:37	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 13:37	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-6

Lab Sample ID: 200-2452-6

Date Collected: 11/03/10 12:50

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 13:37	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 13:37	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 13:37	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 13:37	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 13:37	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 13:37	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 13:37	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 13:37	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 13:37	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 13:37	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 13:37	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 13:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 13:37	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 13:37	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 13:37	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 13:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 13:37	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 13:37	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 13:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 13:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 13:37	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 13:37	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 13:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 13:37	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 13:37	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 13:37	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 13:37	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 13:37	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 13:37	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 13:37	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 13:37	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 13:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 13:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		80 - 115		11/13/10 13:37	1
Toluene-d8	109		80 - 115		11/13/10 13:37	1
Bromofluorobenzene	101		85 - 120		11/13/10 13:37	1
1,2-Dichlorobenzene-d4	96		80 - 115		11/13/10 13:37	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-7

Lab Sample ID: 200-2452-7

Date Collected: 11/03/10 14:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 14:09	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 14:09	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 14:09	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 14:09	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 14:09	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 14:09	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 14:09	1
Iodomethane	0.19	J	1.0	0.18	ug/L			11/13/10 14:09	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 14:09	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 14:09	1
trans-1,2-Dichloroethene	2.4		1.0	0.14	ug/L			11/13/10 14:09	1
1,2-Dichloroethene, Total	8.6		1.0	0.31	ug/L			11/13/10 14:09	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 14:09	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 14:09	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	1
cis-1,2-Dichloroethene	6.2		1.0	0.18	ug/L			11/13/10 14:09	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 14:09	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 14:09	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 14:09	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 14:09	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 14:09	1
Trichloroethene	2.9		1.0	0.17	ug/L			11/13/10 14:09	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 14:09	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 14:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 14:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 14:09	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 14:09	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 14:09	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 14:09	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 14:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 14:09	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 14:09	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 14:09	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-7

Lab Sample ID: 200-2452-7

Date Collected: 11/03/10 14:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 14:09	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 14:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 14:09	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 14:09	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 14:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 14:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 14:09	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 14:09	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 14:09	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 14:09	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 14:09	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 14:09	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 14:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		80 - 115		11/13/10 14:09	1
Toluene-d8	104		80 - 115		11/13/10 14:09	1
Bromofluorobenzene	99		85 - 120		11/13/10 14:09	1
1,2-Dichlorobenzene-d4	95		80 - 115		11/13/10 14:09	1

Client Sample ID: A0K060451-8

Lab Sample ID: 200-2452-8

Date Collected: 11/03/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U^A	1.0	0.38	ug/L			11/13/10 14:41	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 14:41	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 14:41	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 14:41	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 14:41	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 14:41	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-8

Lab Sample ID: 200-2452-8

Date Collected: 11/03/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
Acetone	2.2	J	5.0	1.7	ug/L			11/13/10 14:41	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	1
Carbon disulfide	0.13	J B	1.0	0.13	ug/L			11/13/10 14:41	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 14:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 14:41	1
1,2-Dichloroethene, Total	0.66	J	1.0	0.31	ug/L			11/13/10 14:41	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 14:41	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	1
cis-1,2-Dichloroethene	0.66	J	1.0	0.18	ug/L			11/13/10 14:41	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 14:41	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 14:41	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 14:41	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 14:41	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
Benzene	0.25	J	1.0	0.19	ug/L			11/13/10 14:41	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 14:41	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 14:41	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 14:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 14:41	1
Toluene	0.32	J	1.0	0.19	ug/L			11/13/10 14:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 14:41	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 14:41	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 14:41	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 14:41	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 14:41	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 14:41	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 14:41	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 14:41	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-8

Lab Sample ID: 200-2452-8

Date Collected: 11/03/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 14:41	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:41	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 14:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 14:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 14:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 14:41	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 14:41	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 14:41	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 14:41	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 14:41	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 14:41	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 14:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 14:41	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	93		80 - 115		11/13/10 14:41	1
Toluene-d8	108		80 - 115		11/13/10 14:41	1
Bromofluorobenzene	101		85 - 120		11/13/10 14:41	1
1,2-Dichlorobenzene-d4	97		80 - 115		11/13/10 14:41	1

Client Sample ID: A0K060451-9

Lab Sample ID: 200-2452-9

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 15:13	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 15:13	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 15:13	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 15:13	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 15:13	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 15:13	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 15:13	1
Iodomethane	0.19	J	1.0	0.18	ug/L			11/13/10 15:13	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 15:13	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 15:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 15:13	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 15:13	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-9

Lab Sample ID: 200-2452-9

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 15:13	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 15:13	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 15:13	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 15:13	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 15:13	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 15:13	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 15:13	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 15:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 15:13	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 15:13	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 15:13	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 15:13	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 15:13	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 15:13	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 15:13	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 15:13	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 15:13	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-9

Lab Sample ID: 200-2452-9

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 15:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 15:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 15:13	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 15:13	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 15:13	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 15:13	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 15:13	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 15:13	1
<hr/>									
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 15:13	1
<hr/>									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	90		80 - 115					11/13/10 15:13	1
Toluene-d8	107		80 - 115					11/13/10 15:13	1
Bromofluorobenzene	98		85 - 120					11/13/10 15:13	1
1,2-Dichlorobenzene-d4	94		80 - 115					11/13/10 15:13	1

Client Sample ID: A0K060451-10

Lab Sample ID: 200-2452-10

Date Collected: 11/03/10 16:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 15:45	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 15:45	1
Vinyl chloride	0.69	J	1.0	0.34	ug/L			11/13/10 15:45	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 15:45	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 15:45	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 15:45	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 15:45	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 15:45	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 15:45	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 15:45	1
trans-1,2-Dichloroethene	7.5		1.0	0.14	ug/L			11/13/10 15:45	1
1,2-Dichloroethene, Total	60		1.0	0.31	ug/L			11/13/10 15:45	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 15:45	1
1,1-Dichloroethane	3.7		1.0	0.18	ug/L			11/13/10 15:45	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 15:45	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 15:45	1
cis-1,2-Dichloroethene	53		1.0	0.18	ug/L			11/13/10 15:45	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 15:45	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 15:45	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-10

Lab Sample ID: 200-2452-10

Date Collected: 11/03/10 16:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 15:45	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 15:45	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
1,2-Dichloroethane	52		1.0	0.18	ug/L			11/13/10 15:45	1
Trichloroethene	0.59	J	1.0	0.17	ug/L			11/13/10 15:45	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 15:45	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 15:45	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 15:45	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 15:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 15:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 15:45	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 15:45	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 15:45	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 15:45	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 15:45	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 15:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 15:45	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 15:45	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 15:45	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 15:45	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 15:45	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 15:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 15:45	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 15:45	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 15:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 15:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 15:45	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 15:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 15:45	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 15:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 15:45	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 15:45	1



Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-10

Lab Sample ID: 200-2452-10

Date Collected: 11/03/10 16:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 15:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 15:45	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 15:45	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 15:45	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 15:45	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 15:45	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 15:45	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					11/13/10 15:45	1
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4</i>	<i>86</i>		<i>80 - 115</i>					11/13/10 15:45	1
<i>Toluene-d8</i>	<i>106</i>		<i>80 - 115</i>					11/13/10 15:45	1
<i>Bromofluorobenzene</i>	<i>99</i>		<i>85 - 120</i>					11/13/10 15:45	1
<i>1,2-Dichlorobenzene-d4</i>	<i>93</i>		<i>80 - 115</i>					11/13/10 15:45	1

Client Sample ID: A0K060451-11

Lab Sample ID: 200-2452-11

Date Collected: 11/03/10 16:30

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 16:17	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 16:17	1
Vinyl chloride	1.8		1.0	0.34	ug/L			11/13/10 16:17	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 16:17	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 16:17	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 16:17	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 16:17	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 16:17	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 16:17	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 16:17	1
trans-1,2-Dichloroethene	0.50	J	1.0	0.14	ug/L			11/13/10 16:17	1
1,2-Dichloroethene, Total	1.7		1.0	0.31	ug/L			11/13/10 16:17	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	1
1,1-Dichloroethane	0.80	J	1.0	0.18	ug/L			11/13/10 16:17	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 16:17	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	1
cis-1,2-Dichloroethene	1.2		1.0	0.18	ug/L			11/13/10 16:17	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 16:17	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 16:17	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 16:17	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 16:17	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
Benzene	0.19	J	1.0	0.19	ug/L			11/13/10 16:17	1
1,2-Dichloroethane	0.33	J	1.0	0.18	ug/L			11/13/10 16:17	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-11

Lab Sample ID: 200-2452-11

Date Collected: 11/03/10 16:30

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 16:17	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 16:17	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 16:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 16:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 16:17	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 16:17	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 16:17	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 16:17	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 16:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 16:17	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 16:17	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 16:17	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 16:17	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 16:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 16:17	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 16:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 16:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 16:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 16:17	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 16:17	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 16:17	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 16:17	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 16:17	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 16:17	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-11

Lab Sample ID: 200-2452-11

Date Collected: 11/03/10 16:30

Matrix: Water

Date Received: 11/11/10 10:20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 16:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	85		80 - 115					11/13/10 16:17	1
Toluene-d8	108		80 - 115					11/13/10 16:17	1
Bromofluorobenzene	100		85 - 120					11/13/10 16:17	1
1,2-Dichlorobenzene-d4	97		80 - 115					11/13/10 16:17	1

Client Sample ID: A0K060451-12

Lab Sample ID: 200-2452-12

Date Collected: 11/04/10 07:56

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 16:49	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 16:49	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 16:49	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 16:49	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 16:49	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 16:49	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 16:49	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 16:49	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 16:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 16:49	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 16:49	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 16:49	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 16:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 16:49	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 16:49	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 16:49	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 16:49	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 16:49	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 16:49	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 16:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 16:49	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-12

Lab Sample ID: 200-2452-12

Date Collected: 11/04/10 07:56

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 16:49	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 16:49	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 16:49	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 16:49	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 16:49	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 16:49	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 16:49	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 16:49	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 16:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 16:49	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 16:49	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 16:49	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 16:49	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 16:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 16:49	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 16:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 16:49	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 16:49	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 16:49	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 16:49	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 16:49	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 16:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 16:49	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		80 - 115		11/13/10 16:49	1
Toluene-d8	102		80 - 115		11/13/10 16:49	1
Bromofluorobenzene	100		85 - 120		11/13/10 16:49	1
1,2-Dichlorobenzene-d4	100		80 - 115		11/13/10 16:49	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-13

Lab Sample ID: 200-2452-13

Date Collected: 11/04/10 08:35

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 17:21	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 17:21	1
Vinyl chloride	0.80	J	1.0	0.34	ug/L			11/13/10 17:21	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 17:21	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 17:21	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 17:21	1
1,1-Dichloroethene	0.89	J	1.0	0.23	ug/L			11/13/10 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 17:21	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 17:21	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 17:21	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 17:21	1
trans-1,2-Dichloroethene	4.0		1.0	0.14	ug/L			11/13/10 17:21	1
1,2-Dichloroethene, Total	67		1.0	0.31	ug/L			11/13/10 17:21	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 17:21	1
1,1-Dichloroethane	9.8		1.0	0.18	ug/L			11/13/10 17:21	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 17:21	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 17:21	1
cis-1,2-Dichloroethene	63		1.0	0.18	ug/L			11/13/10 17:21	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 17:21	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 17:21	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 17:21	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
1,1,1-Trichloroethane	6.6		1.0	0.20	ug/L			11/13/10 17:21	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 17:21	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
1,2-Dichloroethane	55		1.0	0.18	ug/L			11/13/10 17:21	1
Trichloroethene	23		1.0	0.17	ug/L			11/13/10 17:21	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 17:21	1
1,2-Dichloropropane	1.1		1.0	0.21	ug/L			11/13/10 17:21	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 17:21	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 17:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 17:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 17:21	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 17:21	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 17:21	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 17:21	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 17:21	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 17:21	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 17:21	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 17:21	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 17:21	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 17:21	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-13

Lab Sample ID: 200-2452-13

Date Collected: 11/04/10 08:35

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 17:21	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 17:21	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 17:21	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 17:21	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 17:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 17:21	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 17:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 17:21	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 17:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 17:21	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 17:21	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 17:21	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 17:21	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 17:21	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 17:21	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 17:21	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 17:21	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 17:21	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 17:21	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		80 - 115		11/13/10 17:21	1
Toluene-d8	103		80 - 115		11/13/10 17:21	1
Bromofluorobenzene	101		85 - 120		11/13/10 17:21	1
1,2-Dichlorobenzene-d4	99		80 - 115		11/13/10 17:21	1

Client Sample ID: A0K060451-14

Lab Sample ID: 200-2452-14

Date Collected: 11/04/10 10:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 17:52	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 17:52	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 17:52	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 17:52	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 17:52	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 17:52	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-14

Lab Sample ID: 200-2452-14

Date Collected: 11/04/10 10:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 17:52	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 17:52	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 17:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 17:52	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 17:52	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 17:52	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	1
cis-1,2-Dichloroethene	0.23	J	1.0	0.18	ug/L			11/13/10 17:52	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 17:52	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 17:52	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 17:52	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 17:52	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 17:52	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 17:52	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 17:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 17:52	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1
Tetrachloroethene	0.55	J	1.0	0.34	ug/L			11/13/10 17:52	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 17:52	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 17:52	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 17:52	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 17:52	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 17:52	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 17:52	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-14

Lab Sample ID: 200-2452-14

Date Collected: 11/04/10 10:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 17:52	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 17:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 17:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 17:52	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 17:52	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 17:52	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 17:52	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 17:52	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 17:52	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 17:52	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 17:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 17:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		80 - 115		11/13/10 17:52	1
Toluene-d8	102		80 - 115		11/13/10 17:52	1
Bromofluorobenzene	99		85 - 120		11/13/10 17:52	1
1,2-Dichlorobenzene-d4	98		80 - 115		11/13/10 17:52	1

Client Sample ID: A0K060451-15

Lab Sample ID: 200-2452-15

Date Collected: 11/04/10 11:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 17:05	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 17:05	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 17:05	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 17:05	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 17:05	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 17:05	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 17:05	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
Carbon disulfide	0.24	J B	1.0	0.13	ug/L			11/14/10 17:05	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 17:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 17:05	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/14/10 17:05	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-15

Lab Sample ID: 200-2452-15

Date Collected: 11/04/10 11:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 17:05	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 17:05	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 17:05	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 17:05	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 17:05	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 17:05	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 17:05	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	1
Dibromomethane	0.26	J	1.0	0.21	ug/L			11/14/10 17:05	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 17:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 17:05	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1
trans-1,3-Dichloropropene	0.27	J	1.0	0.20	ug/L			11/14/10 17:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 17:05	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 17:05	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 17:05	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 17:05	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 17:05	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 17:05	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 17:05	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 17:05	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-15

Lab Sample ID: 200-2452-15

Date Collected: 11/04/10 11:10

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 17:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 17:05	1
1,2,4-Trichlorobenzene	0.27	J B	1.0	0.15	ug/L			11/14/10 17:05	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	1
Naphthalene	0.29	J B	1.0	0.15	ug/L			11/14/10 17:05	1
1,2,3-Trichlorobenzene	0.22	J B	1.0	0.14	ug/L			11/14/10 17:05	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 17:05	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 17:05	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 17:05	1
<hr/>									
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 17:05	1
<hr/>									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		80 - 115					11/14/10 17:05	1
Toluene-d8	101		80 - 115					11/14/10 17:05	1
Bromofluorobenzene	98		85 - 120					11/14/10 17:05	1
1,2-Dichlorobenzene-d4	95		80 - 115					11/14/10 17:05	1

Client Sample ID: A0K060451-16

Lab Sample ID: 200-2452-16

Date Collected: 11/04/10 11:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 17:37	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 17:37	1
Vinyl chloride	1.0		1.0	0.34	ug/L			11/14/10 17:37	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 17:37	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 17:37	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 17:37	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 17:37	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 17:37	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 17:37	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 17:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 17:37	1
1,2-Dichloroethene, Total	0.57	J	1.0	0.31	ug/L			11/14/10 17:37	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 17:37	1
1,1-Dichloroethane	0.75	J	1.0	0.18	ug/L			11/14/10 17:37	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 17:37	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
cis-1,2-Dichloroethene	0.57	J	1.0	0.18	ug/L			11/14/10 17:37	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 17:37	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 17:37	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-16

Lab Sample ID: 200-2452-16

Date Collected: 11/04/10 11:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 17:37	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
1,1,1-Trichloroethane	4.9		1.0	0.20	ug/L			11/14/10 17:37	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 17:37	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 17:37	1
Trichloroethene	22		1.0	0.17	ug/L			11/14/10 17:37	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 17:37	1
1,2-Dichloropropane	0.97	J	1.0	0.21	ug/L			11/14/10 17:37	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 17:37	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 17:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 17:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 17:37	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 17:37	1
Tetrachloroethene	8.1		1.0	0.34	ug/L			11/14/10 17:37	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 17:37	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 17:37	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 17:37	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 17:37	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 17:37	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 17:37	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 17:37	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 17:37	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:37	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 17:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 17:37	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 17:37	1
n-Propylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 17:37	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:37	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 17:37	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 17:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 17:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 17:37	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 17:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 17:37	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 17:37	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-16

Lab Sample ID: 200-2452-16

Date Collected: 11/04/10 11:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 17:37	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 17:37	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 17:37	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 17:37	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 17:37	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 17:37	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 17:37	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 17:37	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		80 - 115					11/14/10 17:37	1
Toluene-d8	95		80 - 115					11/14/10 17:37	1
Bromofluorobenzene	90		85 - 120					11/14/10 17:37	1
1,2-Dichlorobenzene-d4	90		80 - 115					11/14/10 17:37	1

Client Sample ID: A0K060451-17

Lab Sample ID: 200-2452-17

Date Collected: 11/04/10 12:32

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.4	U ^	4.4	1.7	ug/L			11/14/10 18:09	4.4
Chloromethane	4.4	U	4.4	1.2	ug/L			11/14/10 18:09	4.4
Vinyl chloride	31		4.4	1.5	ug/L			11/14/10 18:09	4.4
Bromomethane	4.4	U	4.4	1.3	ug/L			11/14/10 18:09	4.4
Chloroethane	4.4	U	4.4	1.7	ug/L			11/14/10 18:09	4.4
Trichlorofluoromethane	4.4	U	4.4	1.6	ug/L			11/14/10 18:09	4.4
1,1-Dichloroethene	1.2	J	4.4	1.0	ug/L			11/14/10 18:09	4.4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
Acetone	22	U	22	7.5	ug/L			11/14/10 18:09	4.4
Iodomethane	4.4	U	4.4	0.79	ug/L			11/14/10 18:09	4.4
Carbon disulfide	4.4	U	4.4	0.57	ug/L			11/14/10 18:09	4.4
Methylene Chloride	4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4
trans-1,2-Dichloroethene	8.6		4.4	0.62	ug/L			11/14/10 18:09	4.4
1,2-Dichloroethene, Total	350		4.4	1.4	ug/L			11/14/10 18:09	4.4
Methyl-t-Butyl Ether (MTBE)	4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
1,1-Dichloroethane	10		4.4	0.79	ug/L			11/14/10 18:09	4.4
Vinyl acetate	4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4
2,2-Dichloropropane	4.4	U	4.4	1.0	ug/L			11/14/10 18:09	4.4
cis-1,2-Dichloroethene	340		4.4	0.79	ug/L			11/14/10 18:09	4.4
Methyl ethyl ketone (MEK)	22	U	22	4.4	ug/L			11/14/10 18:09	4.4
Bromochloromethane	4.4	U	4.4	1.6	ug/L			11/14/10 18:09	4.4
Tetrahydrofuran	62	U	62	8.4	ug/L			11/14/10 18:09	4.4
Chloroform	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
1,1,1-Trichloroethane	1.4	J	4.4	0.88	ug/L			11/14/10 18:09	4.4
1,1-Dichloropropene	4.4	U	4.4	0.70	ug/L			11/14/10 18:09	4.4
Carbon tetrachloride	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
Benzene	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
1,2-Dichloroethane	4.4	U	4.4	0.79	ug/L			11/14/10 18:09	4.4

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-17

Lab Sample ID: 200-2452-17

Date Collected: 11/04/10 12:32

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3.0	J	4.4	0.75	ug/L			11/14/10 18:09	4.4
Cyclohexane, methyl-	16		4.4	0.70	ug/L			11/14/10 18:09	4.4
1,2-Dichloropropane	4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
Dibromomethane	4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
Bromodichloromethane	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
2-Chloroethyl vinyl ether	4.4	U	4.4	0.62	ug/L			11/14/10 18:09	4.4
cis-1,3-Dichloropropene	4.4	U	4.4	0.79	ug/L			11/14/10 18:09	4.4
4-Methyl-2-pentanone (MIBK)	22	U	22	3.3	ug/L			11/14/10 18:09	4.4
Toluene	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
trans-1,3-Dichloropropene	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
1,1,2-Trichloroethane	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
Tetrachloroethene	4.4	U	4.4	1.5	ug/L			11/14/10 18:09	4.4
1,3-Dichloropropane	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
2-Hexanone	22	U	22	3.6	ug/L			11/14/10 18:09	4.4
Chlorodibromomethane	4.4	U	4.4	1.2	ug/L			11/14/10 18:09	4.4
1,2-Dibromoethane	4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
Chlorobenzene	4.4	U	4.4	0.79	ug/L			11/14/10 18:09	4.4
1,1,1,2-Tetrachloroethane	4.4	U	4.4	1.0	ug/L			11/14/10 18:09	4.4
Ethylbenzene	4.4	U	4.4	0.79	ug/L			11/14/10 18:09	4.4
m&p-Xylene	4.4	U	4.4	1.8	ug/L			11/14/10 18:09	4.4
o-Xylene	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
Xylenes, Total	4.4	U	4.4	2.7	ug/L			11/14/10 18:09	4.4
Styrene	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
Bromoform	4.4	U	4.4	0.75	ug/L			11/14/10 18:09	4.4
Isopropylbenzene	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
Bromobenzene	4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
1,2,3-Trichloropropane	4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4
n-Propylbenzene	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
2-Chlorotoluene	4.4	U	4.4	1.0	ug/L			11/14/10 18:09	4.4
4-Chlorotoluene	4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4
1,3,5-Trimethylbenzene	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
tert-Butylbenzene	4.4	U	4.4	1.0	ug/L			11/14/10 18:09	4.4
1,2,4-Trimethylbenzene	4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
sec-Butylbenzene	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
1,3-Dichlorobenzene	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
p-Isopropyltoluene	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
1,4-Dichlorobenzene	4.4	U	4.4	0.75	ug/L			11/14/10 18:09	4.4
1,2-Dichlorobenzene	4.4	U	4.4	1.0	ug/L			11/14/10 18:09	4.4
n-Butylbenzene	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	1.5	ug/L			11/14/10 18:09	4.4
1,2,4-Trichlorobenzene	4.4	U	4.4	0.66	ug/L			11/14/10 18:09	4.4
Hexachlorobutadiene	4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
Naphthalene	4.4	U	4.4	0.66	ug/L			11/14/10 18:09	4.4
1,2,3-Trichlorobenzene	4.4	U	4.4	0.62	ug/L			11/14/10 18:09	4.4
Acrolein	22	U	22	7.0	ug/L			11/14/10 18:09	4.4
Acrylonitrile	4.4	U	4.4	1.3	ug/L			11/14/10 18:09	4.4
Ethyl methacrylate	4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
Methyl methacrylate	4.4	U	4.4	0.97	ug/L			11/14/10 18:09	4.4
trans-1,4-Dichloro-2-butene	4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-17

Lab Sample ID: 200-2452-17

Date Collected: 11/04/10 12:32

Matrix: Water

Date Received: 11/11/10 10:20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 18:09	4.4
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		80 - 115					11/14/10 18:09	4.4
Toluene-d8	104		80 - 115					11/14/10 18:09	4.4
Bromofluorobenzene	100		85 - 120					11/14/10 18:09	4.4
1,2-Dichlorobenzene-d4	98		80 - 115					11/14/10 18:09	4.4

Client Sample ID: A0K060451-18

Lab Sample ID: 200-2452-18

Date Collected: 11/04/10 13:01

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	40	U ^	40	15	ug/L			11/14/10 18:41	40
Chloromethane	40	U	40	11	ug/L			11/14/10 18:41	40
Vinyl chloride	170		40	14	ug/L			11/14/10 18:41	40
Bromomethane	40	U	40	12	ug/L			11/14/10 18:41	40
Chloroethane	40	U	40	16	ug/L			11/14/10 18:41	40
Trichlorofluoromethane	40	U	40	14	ug/L			11/14/10 18:41	40
1,1-Dichloroethene	23	J	40	9.2	ug/L			11/14/10 18:41	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	8.0	ug/L			11/14/10 18:41	40
Acetone	200	U	200	68	ug/L			11/14/10 18:41	40
Iodomethane	40	U	40	7.2	ug/L			11/14/10 18:41	40
Carbon disulfide	40	U	40	5.2	ug/L			11/14/10 18:41	40
Methylene Chloride	40	U	40	10	ug/L			11/14/10 18:41	40
trans-1,2-Dichloroethene	41		40	5.6	ug/L			11/14/10 18:41	40
1,2-Dichloroethene, Total	3500		40	12	ug/L			11/14/10 18:41	40
Methyl-t-Butyl Ether (MTBE)	40	U	40	8.4	ug/L			11/14/10 18:41	40
1,1-Dichloroethane	170		40	7.2	ug/L			11/14/10 18:41	40
Vinyl acetate	40	U	40	10	ug/L			11/14/10 18:41	40
2,2-Dichloropropane	40	U	40	9.2	ug/L			11/14/10 18:41	40
cis-1,2-Dichloroethene	3500		40	7.2	ug/L			11/14/10 18:41	40
Methyl ethyl ketone (MEK)	200	U	200	40	ug/L			11/14/10 18:41	40
Bromochloromethane	40	U	40	15	ug/L			11/14/10 18:41	40
Tetrahydrofuran	560	U	560	76	ug/L			11/14/10 18:41	40
Chloroform	40	U	40	8.0	ug/L			11/14/10 18:41	40
1,1,1-Trichloroethane	610		40	8.0	ug/L			11/14/10 18:41	40
1,1-Dichloropropene	40	U	40	6.4	ug/L			11/14/10 18:41	40
Carbon tetrachloride	40	U	40	8.0	ug/L			11/14/10 18:41	40
Benzene	40	U	40	7.6	ug/L			11/14/10 18:41	40
1,2-Dichloroethane	31	J	40	7.2	ug/L			11/14/10 18:41	40
Trichloroethene	12	J	40	6.8	ug/L			11/14/10 18:41	40
Cyclohexane, methyl-	40	U	40	6.4	ug/L			11/14/10 18:41	40
1,2-Dichloropropane	40	U	40	8.4	ug/L			11/14/10 18:41	40
Dibromomethane	40	U	40	8.4	ug/L			11/14/10 18:41	40
Bromodichloromethane	40	U	40	8.0	ug/L			11/14/10 18:41	40
2-Chloroethyl vinyl ether	40	U	40	5.6	ug/L			11/14/10 18:41	40
cis-1,3-Dichloropropene	40	U	40	7.2	ug/L			11/14/10 18:41	40
4-Methyl-2-pentanone (MIBK)	200	U	200	30	ug/L			11/14/10 18:41	40
Toluene	40	U	40	7.6	ug/L			11/14/10 18:41	40

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-18

Lab Sample ID: 200-2452-18

Date Collected: 11/04/10 13:01

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	40	U	40	8.0	ug/L			11/14/10 18:41	40
1,1,2-Trichloroethane	40	U	40	8.8	ug/L			11/14/10 18:41	40
Tetrachloroethene	40	U	40	14	ug/L			11/14/10 18:41	40
1,3-Dichloropropane	40	U	40	8.0	ug/L			11/14/10 18:41	40
2-Hexanone	200	U	200	33	ug/L			11/14/10 18:41	40
Chlorodibromomethane	40	U	40	11	ug/L			11/14/10 18:41	40
1,2-Dibromoethane	40	U	40	8.4	ug/L			11/14/10 18:41	40
Chlorobenzene	40	U	40	7.2	ug/L			11/14/10 18:41	40
1,1,1,2-Tetrachloroethane	40	U	40	9.2	ug/L			11/14/10 18:41	40
Ethylbenzene	40	U	40	7.2	ug/L			11/14/10 18:41	40
m&p-Xylene	40	U	40	16	ug/L			11/14/10 18:41	40
o-Xylene	40	U	40	8.0	ug/L			11/14/10 18:41	40
Xylenes, Total	40	U	40	24	ug/L			11/14/10 18:41	40
Styrene	40	U	40	7.6	ug/L			11/14/10 18:41	40
Bromoform	40	U	40	6.8	ug/L			11/14/10 18:41	40
Isopropylbenzene	40	U	40	8.8	ug/L			11/14/10 18:41	40
Bromobenzene	40	U	40	8.0	ug/L			11/14/10 18:41	40
1,1,2,2-Tetrachloroethane	40	U	40	8.8	ug/L			11/14/10 18:41	40
1,2,3-Trichloropropane	40	U	40	9.6	ug/L			11/14/10 18:41	40
n-Propylbenzene	40	U	40	8.8	ug/L			11/14/10 18:41	40
2-Chlorotoluene	40	U	40	9.2	ug/L			11/14/10 18:41	40
4-Chlorotoluene	40	U	40	10	ug/L			11/14/10 18:41	40
1,3,5-Trimethylbenzene	40	U	40	8.8	ug/L			11/14/10 18:41	40
tert-Butylbenzene	40	U	40	9.2	ug/L			11/14/10 18:41	40
1,2,4-Trimethylbenzene	40	U	40	8.4	ug/L			11/14/10 18:41	40
sec-Butylbenzene	40	U	40	8.8	ug/L			11/14/10 18:41	40
1,3-Dichlorobenzene	40	U	40	7.6	ug/L			11/14/10 18:41	40
p-Isopropyltoluene	40	U	40	7.6	ug/L			11/14/10 18:41	40
1,4-Dichlorobenzene	40	U	40	6.8	ug/L			11/14/10 18:41	40
1,2-Dichlorobenzene	40	U	40	9.2	ug/L			11/14/10 18:41	40
n-Butylbenzene	40	U	40	7.6	ug/L			11/14/10 18:41	40
1,2-Dibromo-3-Chloropropane	40	U	40	13	ug/L			11/14/10 18:41	40
1,2,4-Trichlorobenzene	40	U	40	6.0	ug/L			11/14/10 18:41	40
Hexachlorobutadiene	40	U	40	8.4	ug/L			11/14/10 18:41	40
Naphthalene	40	U	40	6.0	ug/L			11/14/10 18:41	40
1,2,3-Trichlorobenzene	40	U	40	5.6	ug/L			11/14/10 18:41	40
Acrolein	200	U	200	64	ug/L			11/14/10 18:41	40
Acrylonitrile	40	U	40	12	ug/L			11/14/10 18:41	40
Ethyl methacrylate	40	U	40	7.6	ug/L			11/14/10 18:41	40
Methyl methacrylate	40	U	40	8.8	ug/L			11/14/10 18:41	40
trans-1,4-Dichloro-2-butene	40	U	40	10	ug/L			11/14/10 18:41	40
<hr/>									
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 18:41	40
<hr/>									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	107		80 - 115					11/14/10 18:41	40
Toluene-d8	105		80 - 115					11/14/10 18:41	40
Bromofluorobenzene	101		85 - 120					11/14/10 18:41	40
1,2-Dichlorobenzene-d4	100		80 - 115					11/14/10 18:41	40

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-19

Lab Sample ID: 200-2452-19

Date Collected: 11/04/10 13:24

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U^	1.0	0.38	ug/L			11/14/10 19:13	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 19:13	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 19:13	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 19:13	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 19:13	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 19:13	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 19:13	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 19:13	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 19:13	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 19:13	1
trans-1,2-Dichloroethene	7.6		1.0	0.14	ug/L			11/14/10 19:13	1
1,2-Dichloroethene, Total	59		1.0	0.31	ug/L			11/14/10 19:13	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	1
1,1-Dichloroethane	1.6		1.0	0.18	ug/L			11/14/10 19:13	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 19:13	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	1
cis-1,2-Dichloroethene	51		1.0	0.18	ug/L			11/14/10 19:13	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 19:13	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 19:13	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 19:13	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
1,1,1-Trichloroethane	1.0		1.0	0.20	ug/L			11/14/10 19:13	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 19:13	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 19:13	1
Trichloroethene	7.9		1.0	0.17	ug/L			11/14/10 19:13	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 19:13	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 19:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 19:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 19:13	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 19:13	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 19:13	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 19:13	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 19:13	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 19:13	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 19:13	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 19:13	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-19

Lab Sample ID: 200-2452-19

Date Collected: 11/04/10 13:24

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 19:13	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 19:13	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 19:13	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 19:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 19:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 19:13	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 19:13	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 19:13	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 19:13	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 19:13	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 19:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 19:13	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		80 - 115		11/14/10 19:13	1
Toluene-d8	102		80 - 115		11/14/10 19:13	1
Bromofluorobenzene	98		85 - 120		11/14/10 19:13	1
1,2-Dichlorobenzene-d4	97		80 - 115		11/14/10 19:13	1

Client Sample ID: A0K060451-20

Lab Sample ID: 200-2452-20

Date Collected: 11/04/10 14:01

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	U ^A	2.0	0.76	ug/L			11/14/10 19:45	2
Chloromethane	2.0	U	2.0	0.56	ug/L			11/14/10 19:45	2
Vinyl chloride	17		2.0	0.68	ug/L			11/14/10 19:45	2
Bromomethane	2.0	U	2.0	0.58	ug/L			11/14/10 19:45	2
Chloroethane	2.0	U	2.0	0.78	ug/L			11/14/10 19:45	2
Trichlorofluoromethane	2.0	U	2.0	0.72	ug/L			11/14/10 19:45	2
1,1-Dichloroethene	0.62	J	2.0	0.46	ug/L			11/14/10 19:45	2

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-20

Lab Sample ID: 200-2452-20

Date Collected: 11/04/10 14:01

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
Acetone	10	U	10	3.4	ug/L			11/14/10 19:45	2
Iodomethane	2.0	U	2.0	0.36	ug/L			11/14/10 19:45	2
Carbon disulfide	2.0	U	2.0	0.26	ug/L			11/14/10 19:45	2
Methylene Chloride	2.0	U	2.0	0.50	ug/L			11/14/10 19:45	2
trans-1,2-Dichloroethene	1.3	J	2.0	0.28	ug/L			11/14/10 19:45	2
1,2-Dichloroethene, Total	140		2.0	0.62	ug/L			11/14/10 19:45	2
Methyl-t-Butyl Ether (MTBE)	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	2
1,1-Dichloroethane	10		2.0	0.36	ug/L			11/14/10 19:45	2
Vinyl acetate	2.0	U	2.0	0.52	ug/L			11/14/10 19:45	2
2,2-Dichloropropane	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	2
cis-1,2-Dichloroethene	140		2.0	0.36	ug/L			11/14/10 19:45	2
Methyl ethyl ketone (MEK)	10	U	10	2.0	ug/L			11/14/10 19:45	2
Bromochloromethane	2.0	U	2.0	0.74	ug/L			11/14/10 19:45	2
Tetrahydrofuran	28	U	28	3.8	ug/L			11/14/10 19:45	2
Chloroform	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
1,1,1-Trichloroethane	2.4		2.0	0.40	ug/L			11/14/10 19:45	2
1,1-Dichloropropene	2.0	U	2.0	0.32	ug/L			11/14/10 19:45	2
Carbon tetrachloride	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
Benzene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
1,2-Dichloroethane	0.61	J	2.0	0.36	ug/L			11/14/10 19:45	2
Trichloroethene	14		2.0	0.34	ug/L			11/14/10 19:45	2
Cyclohexane, methyl-	2.0	U	2.0	0.32	ug/L			11/14/10 19:45	2
1,2-Dichloropropane	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	2
Dibromomethane	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	2
Bromodichloromethane	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
2-Chloroethyl vinyl ether	2.0	U	2.0	0.28	ug/L			11/14/10 19:45	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.36	ug/L			11/14/10 19:45	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.5	ug/L			11/14/10 19:45	2
Toluene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
1,1,2-Trichloroethane	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2
Tetrachloroethene	2.0	U	2.0	0.68	ug/L			11/14/10 19:45	2
1,3-Dichloropropane	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
2-Hexanone	10	U	10	1.6	ug/L			11/14/10 19:45	2
Chlorodibromomethane	2.0	U	2.0	0.54	ug/L			11/14/10 19:45	2
1,2-Dibromoethane	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	2
Chlorobenzene	2.0	U	2.0	0.36	ug/L			11/14/10 19:45	2
1,1,1,2-Tetrachloroethane	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	2
Ethylbenzene	2.0	U	2.0	0.36	ug/L			11/14/10 19:45	2
m&p-Xylene	2.0	U	2.0	0.80	ug/L			11/14/10 19:45	2
o-Xylene	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
Xylenes, Total	2.0	U	2.0	1.2	ug/L			11/14/10 19:45	2
Styrene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
Bromoform	2.0	U	2.0	0.34	ug/L			11/14/10 19:45	2
Isopropylbenzene	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2
Bromobenzene	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2
1,2,3-Trichloropropane	2.0	U	2.0	0.48	ug/L			11/14/10 19:45	2
n-Propylbenzene	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-20

Lab Sample ID: 200-2452-20

Date Collected: 11/04/10 14:01

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	2
4-Chlorotoluene	2.0	U	2.0	0.50	ug/L			11/14/10 19:45	2
1,3,5-Trimethylbenzene	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2
tert-Butylbenzene	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	2
1,2,4-Trimethylbenzene	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	2
sec-Butylbenzene	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2
1,3-Dichlorobenzene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
p-Isopropyltoluene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
1,4-Dichlorobenzene	2.0	U	2.0	0.34	ug/L			11/14/10 19:45	2
1,2-Dichlorobenzene	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	2
n-Butylbenzene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.66	ug/L			11/14/10 19:45	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.30	ug/L			11/14/10 19:45	2
Hexachlorobutadiene	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	2
Naphthalene	2.0	U	2.0	0.30	ug/L			11/14/10 19:45	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.28	ug/L			11/14/10 19:45	2
Acrolein	10	U	10	3.2	ug/L			11/14/10 19:45	2
Acrylonitrile	2.0	U	2.0	0.60	ug/L			11/14/10 19:45	2
Ethyl methacrylate	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	2
Methyl methacrylate	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	2
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.52	ug/L			11/14/10 19:45	2
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					11/14/10 19:45	2
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4</i>	<i>107</i>		<i>80 - 115</i>					11/14/10 19:45	2
<i>Toluene-d8</i>	<i>104</i>		<i>80 - 115</i>					11/14/10 19:45	2
<i>Bromofluorobenzene</i>	<i>99</i>		<i>85 - 120</i>					11/14/10 19:45	2
<i>1,2-Dichlorobenzene-d4</i>	<i>98</i>		<i>80 - 115</i>					11/14/10 19:45	2

Client Sample ID: A0K060451-21

Lab Sample ID: 200-2452-21

Date Collected: 11/04/10 14:33

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 20:17	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 20:17	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 20:17	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 20:17	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 20:17	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 20:17	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 20:17	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 20:17	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 20:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 20:17	1
1,2-Dichloroethene, Total	0.33	J	1.0	0.31	ug/L			11/14/10 20:17	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-21

Lab Sample ID: 200-2452-21

Date Collected: 11/04/10 14:33

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 20:17	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	1
cis-1,2-Dichloroethene	0.33	J	1.0	0.18	ug/L			11/14/10 20:17	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 20:17	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 20:17	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 20:17	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 20:17	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 20:17	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 20:17	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 20:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 20:17	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 20:17	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 20:17	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 20:17	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 20:17	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 20:17	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 20:17	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 20:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 20:17	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 20:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-21

Lab Sample ID: 200-2452-21

Date Collected: 11/04/10 14:33

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 20:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 20:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 20:17	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 20:17	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 20:17	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 20:17	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 20:17	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 20:17	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 20:17	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 20:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	107		80 - 115					11/14/10 20:17	1
Toluene-d8	102		80 - 115					11/14/10 20:17	1
Bromofluorobenzene	99		85 - 120					11/14/10 20:17	1
1,2-Dichlorobenzene-d4	99		80 - 115					11/14/10 20:17	1

Client Sample ID: A0K060451-22

Lab Sample ID: 200-2452-22

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.7	U ^	4.7	1.8	ug/L			11/14/10 20:49	4.7
Chloromethane	4.7	U	4.7	1.3	ug/L			11/14/10 20:49	4.7
Vinyl chloride	34		4.7	1.6	ug/L			11/14/10 20:49	4.7
Bromomethane	4.7	U	4.7	1.4	ug/L			11/14/10 20:49	4.7
Chloroethane	4.7	U	4.7	1.8	ug/L			11/14/10 20:49	4.7
Trichlorofluoromethane	4.7	U	4.7	1.7	ug/L			11/14/10 20:49	4.7
1,1-Dichloroethene	1.1	J	4.7	1.1	ug/L			11/14/10 20:49	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
Acetone	24	U	24	8.0	ug/L			11/14/10 20:49	4.7
Iodomethane	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.7
Carbon disulfide	4.7	U	4.7	0.61	ug/L			11/14/10 20:49	4.7
Methylene Chloride	4.7	U	4.7	1.2	ug/L			11/14/10 20:49	4.7
trans-1,2-Dichloroethene	8.9		4.7	0.66	ug/L			11/14/10 20:49	4.7
1,2-Dichloroethene, Total	360		4.7	1.5	ug/L			11/14/10 20:49	4.7
Methyl-t-Butyl Ether (MTBE)	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4.7
1,1-Dichloroethane	9.6		4.7	0.85	ug/L			11/14/10 20:49	4.7
Vinyl acetate	4.7	U	4.7	1.2	ug/L			11/14/10 20:49	4.7
2,2-Dichloropropane	4.7	U	4.7	1.1	ug/L			11/14/10 20:49	4.7
cis-1,2-Dichloroethene	350		4.7	0.85	ug/L			11/14/10 20:49	4.7
Methyl ethyl ketone (MEK)	24	U	24	4.7	ug/L			11/14/10 20:49	4.7
Bromochloromethane	4.7	U	4.7	1.7	ug/L			11/14/10 20:49	4.7

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-22

Lab Sample ID: 200-2452-22

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	66	U	66	8.9	ug/L			11/14/10 20:49	4.7
Chloroform	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
1,1,1-Trichloroethane	1.3	J	4.7	0.94	ug/L			11/14/10 20:49	4.7
1,1-Dichloropropene	4.7	U	4.7	0.75	ug/L			11/14/10 20:49	4.7
Carbon tetrachloride	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
Benzene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
1,2-Dichloroethane	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.7
Trichloroethene	2.7	J	4.7	0.80	ug/L			11/14/10 20:49	4.7
Cyclohexane, methyl-	16		4.7	0.75	ug/L			11/14/10 20:49	4.7
1,2-Dichloropropane	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4.7
Dibromomethane	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4.7
Bromodichloromethane	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
2-Chloroethyl vinyl ether	4.7	U	4.7	0.66	ug/L			11/14/10 20:49	4.7
cis-1,3-Dichloropropene	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.7
4-Methyl-2-pentanone (MIBK)	24	U	24	3.5	ug/L			11/14/10 20:49	4.7
Toluene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
trans-1,3-Dichloropropene	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
1,1,2-Trichloroethane	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
Tetrachloroethene	4.7	U	4.7	1.6	ug/L			11/14/10 20:49	4.7
1,3-Dichloropropane	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
2-Hexanone	24	U	24	3.9	ug/L			11/14/10 20:49	4.7
Chlorodibromomethane	4.7	U	4.7	1.3	ug/L			11/14/10 20:49	4.7
1,2-Dibromoethane	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4.7
Chlorobenzene	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.7
1,1,1,2-Tetrachloroethane	4.7	U	4.7	1.1	ug/L			11/14/10 20:49	4.7
Ethylbenzene	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.7
m&p-Xylene	4.7	U	4.7	1.9	ug/L			11/14/10 20:49	4.7
o-Xylene	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
Xylenes, Total	4.7	U	4.7	2.9	ug/L			11/14/10 20:49	4.7
Styrene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
Bromoform	4.7	U	4.7	0.80	ug/L			11/14/10 20:49	4.7
Isopropylbenzene	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
Bromobenzene	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.7
1,1,2,2-Tetrachloroethane	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
1,2,3-Trichloropropane	4.7	U	4.7	1.1	ug/L			11/14/10 20:49	4.7
n-Propylbenzene	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
2-Chlorotoluene	4.7	U	4.7	1.1	ug/L			11/14/10 20:49	4.7
4-Chlorotoluene	4.7	U	4.7	1.2	ug/L			11/14/10 20:49	4.7
1,3,5-Trimethylbenzene	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
tert-Butylbenzene	4.7	U	4.7	1.1	ug/L			11/14/10 20:49	4.7
1,2,4-Trimethylbenzene	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4.7
sec-Butylbenzene	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
1,3-Dichlorobenzene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
p-Isopropyltoluene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
1,4-Dichlorobenzene	4.7	U	4.7	0.80	ug/L			11/14/10 20:49	4.7
1,2-Dichlorobenzene	4.7	U	4.7	1.1	ug/L			11/14/10 20:49	4.7
n-Butylbenzene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	1.6	ug/L			11/14/10 20:49	4.7
1,2,4-Trichlorobenzene	4.7	U	4.7	0.70	ug/L			11/14/10 20:49	4.7
Hexachlorobutadiene	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4.7

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-22

Lab Sample ID: 200-2452-22

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	4.7	U	4.7	0.70	ug/L			11/14/10 20:49	4.7
1,2,3-Trichlorobenzene	4.7	U	4.7	0.66	ug/L			11/14/10 20:49	4.7
Acrolein	24	U	24	7.5	ug/L			11/14/10 20:49	4.7
Acrylonitrile	4.7	U	4.7	1.4	ug/L			11/14/10 20:49	4.7
Ethyl methacrylate	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.7
Methyl methacrylate	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.7
trans-1,4-Dichloro-2-butene	4.7	U	4.7	1.2	ug/L			11/14/10 20:49	4.7
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					11/14/10 20:49	4.7
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4</i>	<i>106</i>		<i>80 - 115</i>					11/14/10 20:49	4.7
<i>Toluene-d8</i>	<i>105</i>		<i>80 - 115</i>					11/14/10 20:49	4.7
<i>Bromofluorobenzene</i>	<i>102</i>		<i>85 - 120</i>					11/14/10 20:49	4.7
<i>1,2-Dichlorobenzene-d4</i>	<i>100</i>		<i>80 - 115</i>					11/14/10 20:49	4.7

Client Sample ID: A0K060451-23

Lab Sample ID: 200-2452-23

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^A	1.0	0.38	ug/L			11/14/10 21:21	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 21:21	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 21:21	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 21:21	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 21:21	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 21:21	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 21:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 21:21	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 21:21	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 21:21	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 21:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 21:21	1
1,2-Dichloroethene, Total	0.31	J	1.0	0.31	ug/L			11/14/10 21:21	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 21:21	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 21:21	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 21:21	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 21:21	1
cis-1,2-Dichloroethene	0.31	J	1.0	0.18	ug/L			11/14/10 21:21	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 21:21	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 21:21	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 21:21	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 21:21	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 21:21	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-23

Lab Sample ID: 200-2452-23

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 21:21	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 21:21	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 21:21	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 21:21	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 21:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 21:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 21:21	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 21:21	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 21:21	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 21:21	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 21:21	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 21:21	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 21:21	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 21:21	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 21:21	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 21:21	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 21:21	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 21:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 21:21	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 21:21	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 21:21	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 21:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 21:21	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 21:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 21:21	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 21:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 21:21	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 21:21	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 21:21	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 21:21	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 21:21	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 21:21	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 21:21	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 21:21	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 21:21	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-23

Lab Sample ID: 200-2452-23

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 21:21	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		80 - 115					11/14/10 21:21	1
Toluene-d8	101		80 - 115					11/14/10 21:21	1
Bromofluorobenzene	98		85 - 120					11/14/10 21:21	1
1,2-Dichlorobenzene-d4	99		80 - 115					11/14/10 21:21	1

Client Sample ID: AOK060451-24

Lab Sample ID: 200-2452-24

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 21:53	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 21:53	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 21:53	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 21:53	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 21:53	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 21:53	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 21:53	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 21:53	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 21:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 21:53	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/14/10 21:53	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 21:53	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 21:53	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 21:53	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 21:53	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 21:53	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 21:53	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 21:53	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 21:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 21:53	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-24

Lab Sample ID: 200-2452-24

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 21:53	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 21:53	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 21:53	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 21:53	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 21:53	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 21:53	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 21:53	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 21:53	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 21:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 21:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 21:53	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 21:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 21:53	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 21:53	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 21:53	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 21:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 21:53	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		80 - 115					11/14/10 21:53	1
Toluene-d8	103		80 - 115					11/14/10 21:53	1
Bromofluorobenzene	100		85 - 120					11/14/10 21:53	1
1,2-Dichlorobenzene-d4	100		80 - 115					11/14/10 21:53	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-25

Lab Sample ID: 200-2452-25

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 22:25	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 22:25	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 22:25	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 22:25	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 22:25	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 22:25	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 22:25	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 22:25	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 22:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 22:25	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/14/10 22:25	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 22:25	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 22:25	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 22:25	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 22:25	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 22:25	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 22:25	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 22:25	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 22:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 22:25	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 22:25	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 22:25	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 22:25	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 22:25	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 22:25	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 22:25	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-25

Lab Sample ID: 200-2452-25

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 22:25	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 22:25	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 22:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 22:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 22:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 22:25	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 22:25	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 22:25	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 22:25	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 22:25	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 22:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 22:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		80 - 115		11/14/10 22:25	1
Toluene-d8	103		80 - 115		11/14/10 22:25	1
Bromofluorobenzene	99		85 - 120		11/14/10 22:25	1
1,2-Dichlorobenzene-d4	98		80 - 115		11/14/10 22:25	1

Client Sample ID: A0K060451-26

Lab Sample ID: 200-2452-26

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 22:57	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 22:57	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 22:57	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 22:57	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 22:57	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 22:57	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 22:57	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-26

Lab Sample ID: 200-2452-26

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 22:57	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 22:57	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/14/10 22:57	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 22:57	1
trans-1,2-Dichloroethene	0.69	J	1.0	0.14	ug/L			11/14/10 22:57	1
1,2-Dichloroethene, Total	13		1.0	0.31	ug/L			11/14/10 22:57	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 22:57	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 22:57	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 22:57	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 22:57	1
cis-1,2-Dichloroethene	12		1.0	0.18	ug/L			11/14/10 22:57	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 22:57	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 22:57	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 22:57	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 22:57	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
1,2-Dichloroethane	5.0		1.0	0.18	ug/L			11/14/10 22:57	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 22:57	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 22:57	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 22:57	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 22:57	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 22:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 22:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 22:57	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 22:57	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 22:57	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 22:57	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 22:57	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 22:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 22:57	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 22:57	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 22:57	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 22:57	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 22:57	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 22:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 22:57	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-26

Lab Sample ID: 200-2452-26

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 22:57	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 22:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 22:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 22:57	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 22:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 22:57	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 22:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 22:57	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 22:57	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 22:57	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 22:57	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 22:57	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 22:57	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 22:57	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 22:57	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 22:57	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					11/14/10 22:57	1
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4</i>	<i>108</i>		<i>80 - 115</i>					11/14/10 22:57	1
<i>Toluene-d8</i>	<i>103</i>		<i>80 - 115</i>					11/14/10 22:57	1
<i>Bromofluorobenzene</i>	<i>102</i>		<i>85 - 120</i>					11/14/10 22:57	1
<i>1,2-Dichlorobenzene-d4</i>	<i>100</i>		<i>80 - 115</i>					11/14/10 22:57	1

Client Sample ID: A0K060451-27

Lab Sample ID: 200-2452-27

Date Collected: 11/03/10 12:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 23:30	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 23:30	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 23:30	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 23:30	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 23:30	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 23:30	1
1,1-Dichloroethene	0.28	J	1.0	0.23	ug/L			11/14/10 23:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 23:30	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	1
Carbon disulfide	0.17	J B	1.0	0.13	ug/L			11/14/10 23:30	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 23:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 23:30	1
1,2-Dichloroethene, Total	1.1		1.0	0.31	ug/L			11/14/10 23:30	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-27

Lab Sample ID: 200-2452-27

Date Collected: 11/03/10 12:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	1
1,1-Dichloroethane	2.1		1.0	0.18	ug/L			11/14/10 23:30	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 23:30	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 23:30	1
cis-1,2-Dichloroethene	1.1		1.0	0.18	ug/L			11/14/10 23:30	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 23:30	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 23:30	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 23:30	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
1,1,1-Trichloroethane	2.3		1.0	0.20	ug/L			11/14/10 23:30	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 23:30	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	1
Trichloroethene	10		1.0	0.17	ug/L			11/14/10 23:30	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 23:30	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 23:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 23:30	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 23:30	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 23:30	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 23:30	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 23:30	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 23:30	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 23:30	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 23:30	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 23:30	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 23:30	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 23:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 23:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-27

Lab Sample ID: 200-2452-27

Date Collected: 11/03/10 12:00

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 23:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 23:30	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 23:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 23:30	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 23:30	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 23:30	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 23:30	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 23:30	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 23:30	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 23:30	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		80 - 115					11/14/10 23:30	1
Toluene-d8	101		80 - 115					11/14/10 23:30	1
Bromofluorobenzene	98		85 - 120					11/14/10 23:30	1
1,2-Dichlorobenzene-d4	97		80 - 115					11/14/10 23:30	1

Client Sample ID: A0K060451-28

Lab Sample ID: 200-2452-28

Date Collected: 11/03/10 11:04

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 00:02	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 00:02	1
Vinyl chloride	0.89	J	1.0	0.34	ug/L			11/15/10 00:02	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 00:02	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 00:02	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 00:02	1
1,1-Dichloroethene	0.56	J	1.0	0.23	ug/L			11/15/10 00:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 00:02	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/15/10 00:02	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/15/10 00:02	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 00:02	1
trans-1,2-Dichloroethene	7.5		1.0	0.14	ug/L			11/15/10 00:02	1
1,2-Dichloroethene, Total	62		1.0	0.31	ug/L			11/15/10 00:02	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	1
1,1-Dichloroethane	0.80	J	1.0	0.18	ug/L			11/15/10 00:02	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 00:02	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	1
cis-1,2-Dichloroethene	54		1.0	0.18	ug/L			11/15/10 00:02	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 00:02	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 00:02	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-28

Lab Sample ID: 200-2452-28

Date Collected: 11/03/10 11:04

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 00:02	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
1,1,1-Trichloroethane	3.5		1.0	0.20	ug/L			11/15/10 00:02	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 00:02	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 00:02	1
Trichloroethene	20		1.0	0.17	ug/L			11/15/10 00:02	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 00:02	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 00:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 00:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 00:02	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 00:02	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 00:02	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 00:02	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 00:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 00:02	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 00:02	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 00:02	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 00:02	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 00:02	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 00:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 00:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 00:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 00:02	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	1



Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-28

Lab Sample ID: 200-2452-28

Date Collected: 11/03/10 11:04

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 00:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 00:02	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 00:02	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 00:02	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 00:02	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					11/15/10 00:02	1
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4</i>	<i>106</i>		<i>80 - 115</i>					11/15/10 00:02	1
<i>Toluene-d8</i>	<i>103</i>		<i>80 - 115</i>					11/15/10 00:02	1
<i>Bromofluorobenzene</i>	<i>98</i>		<i>85 - 120</i>					11/15/10 00:02	1
<i>1,2-Dichlorobenzene-d4</i>	<i>98</i>		<i>80 - 115</i>					11/15/10 00:02	1

Client Sample ID: A0K060451-29

Lab Sample ID: 200-2452-29

Date Collected: 11/03/10 10:28

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	U ^A	2.0	0.76	ug/L			11/15/10 00:34	2
Chloromethane	2.0	U	2.0	0.56	ug/L			11/15/10 00:34	2
Vinyl chloride	2.0	U	2.0	0.68	ug/L			11/15/10 00:34	2
Bromomethane	2.0	U	2.0	0.58	ug/L			11/15/10 00:34	2
Chloroethane	2.0	U	2.0	0.78	ug/L			11/15/10 00:34	2
Trichlorofluoromethane	2.0	U	2.0	0.72	ug/L			11/15/10 00:34	2
1,1-Dichloroethene	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
Acetone	10	U	10	3.4	ug/L			11/15/10 00:34	2
Iodomethane	2.0	U	2.0	0.36	ug/L			11/15/10 00:34	2
Carbon disulfide	2.0	U	2.0	0.26	ug/L			11/15/10 00:34	2
Methylene Chloride	2.0	U	2.0	0.50	ug/L			11/15/10 00:34	2
trans-1,2-Dichloroethene	32		2.0	0.28	ug/L			11/15/10 00:34	2
1,2-Dichloroethene, Total	53		2.0	0.62	ug/L			11/15/10 00:34	2
Methyl-t-Butyl Ether (MTBE)	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	2
1,1-Dichloroethane	0.79	J	2.0	0.36	ug/L			11/15/10 00:34	2
Vinyl acetate	2.0	U	2.0	0.52	ug/L			11/15/10 00:34	2
2,2-Dichloropropane	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	2
cis-1,2-Dichloroethene	21		2.0	0.36	ug/L			11/15/10 00:34	2
Methyl ethyl ketone (MEK)	10	U	10	2.0	ug/L			11/15/10 00:34	2
Bromochloromethane	2.0	U	2.0	0.74	ug/L			11/15/10 00:34	2
Tetrahydrofuran	28	U	28	3.8	ug/L			11/15/10 00:34	2
Chloroform	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
1,1,1-Trichloroethane	1.5	J	2.0	0.40	ug/L			11/15/10 00:34	2
1,1-Dichloropropene	2.0	U	2.0	0.32	ug/L			11/15/10 00:34	2
Carbon tetrachloride	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
Benzene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
1,2-Dichloroethane	2.0	U	2.0	0.36	ug/L			11/15/10 00:34	2

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-29

Lab Sample ID: 200-2452-29

Date Collected: 11/03/10 10:28

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	160		2.0	0.34	ug/L			11/15/10 00:34	2
Cyclohexane, methyl-	2.0	U	2.0	0.32	ug/L			11/15/10 00:34	2
1,2-Dichloropropane	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	2
Dibromomethane	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	2
Bromodichloromethane	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
2-Chloroethyl vinyl ether	2.0	U	2.0	0.28	ug/L			11/15/10 00:34	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.36	ug/L			11/15/10 00:34	2
4-Methyl-2-pentanone (MIBK)	10	U	10	1.5	ug/L			11/15/10 00:34	2
Toluene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
1,1,2-Trichloroethane	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
Tetrachloroethene	2.0	U	2.0	0.68	ug/L			11/15/10 00:34	2
1,3-Dichloropropane	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
2-Hexanone	10	U	10	1.6	ug/L			11/15/10 00:34	2
Chlorodibromomethane	2.0	U	2.0	0.54	ug/L			11/15/10 00:34	2
1,2-Dibromoethane	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	2
Chlorobenzene	2.0	U	2.0	0.36	ug/L			11/15/10 00:34	2
1,1,1,2-Tetrachloroethane	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	2
Ethylbenzene	2.0	U	2.0	0.36	ug/L			11/15/10 00:34	2
m&p-Xylene	2.0	U	2.0	0.80	ug/L			11/15/10 00:34	2
o-Xylene	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
Xylenes, Total	2.0	U	2.0	1.2	ug/L			11/15/10 00:34	2
Styrene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
Bromoform	2.0	U	2.0	0.34	ug/L			11/15/10 00:34	2
Isopropylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
Bromobenzene	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
1,2,3-Trichloropropane	2.0	U	2.0	0.48	ug/L			11/15/10 00:34	2
n-Propylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
2-Chlorotoluene	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	2
4-Chlorotoluene	2.0	U	2.0	0.50	ug/L			11/15/10 00:34	2
1,3,5-Trimethylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
tert-Butylbenzene	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	2
1,2,4-Trimethylbenzene	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	2
sec-Butylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
1,3-Dichlorobenzene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
p-Isopropyltoluene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
1,4-Dichlorobenzene	2.0	U	2.0	0.34	ug/L			11/15/10 00:34	2
1,2-Dichlorobenzene	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	2
n-Butylbenzene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.66	ug/L			11/15/10 00:34	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.30	ug/L			11/15/10 00:34	2
Hexachlorobutadiene	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	2
Naphthalene	2.0	U	2.0	0.30	ug/L			11/15/10 00:34	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.28	ug/L			11/15/10 00:34	2
Acrolein	10	U	10	3.2	ug/L			11/15/10 00:34	2
Acrylonitrile	2.0	U	2.0	0.60	ug/L			11/15/10 00:34	2
Ethyl methacrylate	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	2
Methyl methacrylate	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	2
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.52	ug/L			11/15/10 00:34	2

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-29

Lab Sample ID: 200-2452-29

Date Collected: 11/03/10 10:28

Matrix: Water

Date Received: 11/11/10 10:20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 00:34	2
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		80 - 115					11/15/10 00:34	2
Toluene-d8	101		80 - 115					11/15/10 00:34	2
Bromofluorobenzene	98		85 - 120					11/15/10 00:34	2
1,2-Dichlorobenzene-d4	98		80 - 115					11/15/10 00:34	2

Client Sample ID: A0K060451-30

Lab Sample ID: 200-2452-30

Date Collected: 11/02/10 12:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.5	U ^	1.5	0.57	ug/L			11/15/10 01:06	1.5
Chloromethane	1.5	U	1.5	0.42	ug/L			11/15/10 01:06	1.5
Vinyl chloride	2.5		1.5	0.51	ug/L			11/15/10 01:06	1.5
Bromomethane	1.5	U	1.5	0.44	ug/L			11/15/10 01:06	1.5
Chloroethane	1.5	U	1.5	0.58	ug/L			11/15/10 01:06	1.5
Trichlorofluoromethane	1.5	U	1.5	0.54	ug/L			11/15/10 01:06	1.5
1,1-Dichloroethene	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
Acetone	7.5	U	7.5	2.6	ug/L			11/15/10 01:06	1.5
Iodomethane	1.5	U	1.5	0.27	ug/L			11/15/10 01:06	1.5
Carbon disulfide	1.5	U	1.5	0.20	ug/L			11/15/10 01:06	1.5
Methylene Chloride	1.5	U	1.5	0.38	ug/L			11/15/10 01:06	1.5
trans-1,2-Dichloroethene	87		1.5	0.21	ug/L			11/15/10 01:06	1.5
1,2-Dichloroethene, Total	190		1.5	0.46	ug/L			11/15/10 01:06	1.5
Methyl-t-Butyl Ether (MTBE)	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.5
1,1-Dichloroethane	1.5	U	1.5	0.27	ug/L			11/15/10 01:06	1.5
Vinyl acetate	1.5	U	1.5	0.39	ug/L			11/15/10 01:06	1.5
2,2-Dichloropropane	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.5
cis-1,2-Dichloroethene	110		1.5	0.27	ug/L			11/15/10 01:06	1.5
Methyl ethyl ketone (MEK)	7.5	U	7.5	1.5	ug/L			11/15/10 01:06	1.5
Bromochloromethane	1.5	U	1.5	0.56	ug/L			11/15/10 01:06	1.5
Tetrahydrofuran	21	U	21	2.8	ug/L			11/15/10 01:06	1.5
Chloroform	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
1,1,1-Trichloroethane	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
1,1-Dichloropropene	1.5	U	1.5	0.24	ug/L			11/15/10 01:06	1.5
Carbon tetrachloride	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
Benzene	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5
1,2-Dichloroethane	1.5	U	1.5	0.27	ug/L			11/15/10 01:06	1.5
Trichloroethene	17		1.5	0.26	ug/L			11/15/10 01:06	1.5
Cyclohexane, methyl-	1.5	U	1.5	0.24	ug/L			11/15/10 01:06	1.5
1,2-Dichloropropane	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.5
Dibromomethane	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.5
Bromodichloromethane	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
2-Chloroethyl vinyl ether	1.5	U	1.5	0.21	ug/L			11/15/10 01:06	1.5
cis-1,3-Dichloropropene	1.5	U	1.5	0.27	ug/L			11/15/10 01:06	1.5
4-Methyl-2-pentanone (MIBK)	7.5	U	7.5	1.1	ug/L			11/15/10 01:06	1.5
Toluene	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-30

Lab Sample ID: 200-2452-30

Date Collected: 11/02/10 12:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
1,1,2-Trichloroethane	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
Tetrachloroethene	1.5	U	1.5	0.51	ug/L			11/15/10 01:06	1.5
1,3-Dichloropropane	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
2-Hexanone	7.5	U	7.5	1.2	ug/L			11/15/10 01:06	1.5
Chlorodibromomethane	1.5	U	1.5	0.40	ug/L			11/15/10 01:06	1.5
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.5
Chlorobenzene	1.5	U	1.5	0.27	ug/L			11/15/10 01:06	1.5
1,1,1,2-Tetrachloroethane	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.5
Ethylbenzene	1.5	U	1.5	0.27	ug/L			11/15/10 01:06	1.5
m&p-Xylene	1.5	U	1.5	0.60	ug/L			11/15/10 01:06	1.5
o-Xylene	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
Xylenes, Total	1.5	U	1.5	0.92	ug/L			11/15/10 01:06	1.5
Styrene	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5
Bromoform	1.5	U	1.5	0.26	ug/L			11/15/10 01:06	1.5
Isopropylbenzene	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
Bromobenzene	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.5
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
1,2,3-Trichloropropane	1.5	U	1.5	0.36	ug/L			11/15/10 01:06	1.5
n-Propylbenzene	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
2-Chlorotoluene	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.5
4-Chlorotoluene	1.5	U	1.5	0.38	ug/L			11/15/10 01:06	1.5
1,3,5-Trimethylbenzene	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
tert-Butylbenzene	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.5
1,2,4-Trimethylbenzene	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.5
sec-Butylbenzene	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
1,3-Dichlorobenzene	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5
p-Isopropyltoluene	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5
1,4-Dichlorobenzene	1.5	U	1.5	0.26	ug/L			11/15/10 01:06	1.5
1,2-Dichlorobenzene	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.5
n-Butylbenzene	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5
1,2-Dibromo-3-Chloropropane	1.5	U	1.5	0.50	ug/L			11/15/10 01:06	1.5
1,2,4-Trichlorobenzene	1.5	U	1.5	0.22	ug/L			11/15/10 01:06	1.5
Hexachlorobutadiene	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.5
Naphthalene	1.5	U	1.5	0.22	ug/L			11/15/10 01:06	1.5
1,2,3-Trichlorobenzene	1.5	U	1.5	0.21	ug/L			11/15/10 01:06	1.5
Acrolein	7.5	U	7.5	2.4	ug/L			11/15/10 01:06	1.5
Acrylonitrile	1.5	U	1.5	0.45	ug/L			11/15/10 01:06	1.5
Ethyl methacrylate	1.5	U	1.5	0.28	ug/L			11/15/10 01:06	1.5
Methyl methacrylate	1.5	U	1.5	0.33	ug/L			11/15/10 01:06	1.5
trans-1,4-Dichloro-2-butene	1.5	U	1.5	0.39	ug/L			11/15/10 01:06	1.5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 01:06	1.5

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		80 - 115		11/15/10 01:06	1.5
Toluene-d8	102		80 - 115		11/15/10 01:06	1.5
Bromofluorobenzene	100		85 - 120		11/15/10 01:06	1.5
1,2-Dichlorobenzene-d4	99		80 - 115		11/15/10 01:06	1.5

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-31

Lab Sample ID: 200-2452-31

Date Collected: 11/02/10 11:30

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^A	1.0	0.38	ug/L			11/15/10 01:38	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 01:38	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 01:38	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 01:38	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 01:38	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 01:38	1
1,1-Dichloroethene	1.7		1.0	0.23	ug/L			11/15/10 01:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 01:38	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/15/10 01:38	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/15/10 01:38	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 01:38	1
trans-1,2-Dichloroethene	2.7		1.0	0.14	ug/L			11/15/10 01:38	1
1,2-Dichloroethene, Total	24		1.0	0.31	ug/L			11/15/10 01:38	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 01:38	1
1,1-Dichloroethane	25		1.0	0.18	ug/L			11/15/10 01:38	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 01:38	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 01:38	1
cis-1,2-Dichloroethene	22		1.0	0.18	ug/L			11/15/10 01:38	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 01:38	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 01:38	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 01:38	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
1,1,1-Trichloroethane	8.6		1.0	0.20	ug/L			11/15/10 01:38	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 01:38	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 01:38	1
Trichloroethene	11		1.0	0.17	ug/L			11/15/10 01:38	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 01:38	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 01:38	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 01:38	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 01:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 01:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 01:38	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 01:38	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 01:38	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 01:38	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 01:38	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 01:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 01:38	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 01:38	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 01:38	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 01:38	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-31

Lab Sample ID: 200-2452-31

Date Collected: 11/02/10 11:30

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 01:38	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 01:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 01:38	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 01:38	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 01:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 01:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 01:38	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 01:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 01:38	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 01:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 01:38	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 01:38	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 01:38	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 01:38	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 01:38	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 01:38	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 01:38	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 01:38	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 01:38	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 01:38	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		80 - 115					11/15/10 01:38	1
Toluene-d8	100		80 - 115					11/15/10 01:38	1
Bromofluorobenzene	98		85 - 120					11/15/10 01:38	1
1,2-Dichlorobenzene-d4	97		80 - 115					11/15/10 01:38	1

Client Sample ID: A0K060451-32

Lab Sample ID: 200-2452-32

Date Collected: 11/01/10 17:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 02:10	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 02:10	1
Vinyl chloride	54		1.0	0.34	ug/L			11/15/10 02:10	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 02:10	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 02:10	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 02:10	1
1,1-Dichloroethene	0.34	J	1.0	0.23	ug/L			11/15/10 02:10	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-32

Lab Sample ID: 200-2452-32

Date Collected: 11/01/10 17:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 02:10	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/15/10 02:10	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/15/10 02:10	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 02:10	1
trans-1,2-Dichloroethene	1.2		1.0	0.14	ug/L			11/15/10 02:10	1
1,2-Dichloroethene, Total	82		1.0	0.31	ug/L			11/15/10 02:10	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	1
1,1-Dichloroethane	7.7		1.0	0.18	ug/L			11/15/10 02:10	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 02:10	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 02:10	1
cis-1,2-Dichloroethene	80		1.0	0.18	ug/L			11/15/10 02:10	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 02:10	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 02:10	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 02:10	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 02:10	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 02:10	1
Trichloroethene	1.0		1.0	0.17	ug/L			11/15/10 02:10	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 02:10	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 02:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 02:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 02:10	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 02:10	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 02:10	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 02:10	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 02:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 02:10	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 02:10	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 02:10	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 02:10	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 02:10	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 02:10	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-32

Lab Sample ID: 200-2452-32

Date Collected: 11/01/10 17:55

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 02:10	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 02:10	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 02:10	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 02:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 02:10	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 02:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 02:10	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 02:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 02:10	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 02:10	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 02:10	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 02:10	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 02:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 02:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	107		80 - 115		11/15/10 02:10	1
Toluene-d8	102		80 - 115		11/15/10 02:10	1
Bromofluorobenzene	100		85 - 120		11/15/10 02:10	1
1,2-Dichlorobenzene-d4	99		80 - 115		11/15/10 02:10	1

Client Sample ID: A0K060451-33

Lab Sample ID: 200-2452-33

Date Collected: 11/02/10 17:53

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3.2	U^A	3.2	1.2	ug/L			11/15/10 12:02	3.2
Chloromethane	3.2	U	3.2	0.90	ug/L			11/15/10 12:02	3.2
Vinyl chloride	3.2	U	3.2	1.1	ug/L			11/15/10 12:02	3.2
Bromomethane	3.2	U	3.2	0.93	ug/L			11/15/10 12:02	3.2
Chloroethane	3.2	U	3.2	1.2	ug/L			11/15/10 12:02	3.2
Trichlorofluoromethane	3.2	U	3.2	1.2	ug/L			11/15/10 12:02	3.2
1,1-Dichloroethene	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
Acetone	16	U	16	5.4	ug/L			11/15/10 12:02	3.2
Iodomethane	3.2	U*	3.2	0.58	ug/L			11/15/10 12:02	3.2
Carbon disulfide	3.2	U*	3.2	0.42	ug/L			11/15/10 12:02	3.2
Methylene Chloride	3.2	U	3.2	0.80	ug/L			11/15/10 12:02	3.2
trans-1,2-Dichloroethene	10		3.2	0.45	ug/L			11/15/10 12:02	3.2
1,2-Dichloroethene, Total	22		3.2	0.99	ug/L			11/15/10 12:02	3.2

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-33

Lab Sample ID: 200-2452-33

Date Collected: 11/02/10 17:53

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.2
1,1-Dichloroethane	3.2	U	3.2	0.58	ug/L			11/15/10 12:02	3.2
Vinyl acetate	3.2	U	3.2	0.83	ug/L			11/15/10 12:02	3.2
2,2-Dichloropropane	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.2
cis-1,2-Dichloroethene	11		3.2	0.58	ug/L			11/15/10 12:02	3.2
Methyl ethyl ketone (MEK)	16	U	16	3.2	ug/L			11/15/10 12:02	3.2
Bromochloromethane	3.2	U	3.2	1.2	ug/L			11/15/10 12:02	3.2
Tetrahydrofuran	45	U	45	6.1	ug/L			11/15/10 12:02	3.2
Chloroform	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
1,1,1-Trichloroethane	7.0		3.2	0.64	ug/L			11/15/10 12:02	3.2
1,1-Dichloropropene	3.2	U	3.2	0.51	ug/L			11/15/10 12:02	3.2
Carbon tetrachloride	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
Benzene	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2
1,2-Dichloroethane	3.2	U	3.2	0.58	ug/L			11/15/10 12:02	3.2
Trichloroethene	240		3.2	0.54	ug/L			11/15/10 12:02	3.2
Cyclohexane, methyl-	3.2	U	3.2	0.51	ug/L			11/15/10 12:02	3.2
1,2-Dichloropropane	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.2
Dibromomethane	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.2
Bromodichloromethane	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
2-Chloroethyl vinyl ether	3.2	U	3.2	0.45	ug/L			11/15/10 12:02	3.2
cis-1,3-Dichloropropene	3.2	U	3.2	0.58	ug/L			11/15/10 12:02	3.2
4-Methyl-2-pentanone (MIBK)	16	U	16	2.4	ug/L			11/15/10 12:02	3.2
Toluene	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2
trans-1,3-Dichloropropene	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
1,1,2-Trichloroethane	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
Tetrachloroethene	3.2	U	3.2	1.1	ug/L			11/15/10 12:02	3.2
1,3-Dichloropropane	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
2-Hexanone	16	U	16	2.6	ug/L			11/15/10 12:02	3.2
Chlorodibromomethane	3.2	U	3.2	0.86	ug/L			11/15/10 12:02	3.2
1,2-Dibromoethane	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.2
Chlorobenzene	3.2	U	3.2	0.58	ug/L			11/15/10 12:02	3.2
1,1,1,2-Tetrachloroethane	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.2
Ethylbenzene	3.2	U	3.2	0.58	ug/L			11/15/10 12:02	3.2
m&p-Xylene	3.2	U	3.2	1.3	ug/L			11/15/10 12:02	3.2
o-Xylene	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
Xylenes, Total	3.2	U	3.2	2.0	ug/L			11/15/10 12:02	3.2
Styrene	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2
Bromoform	3.2	U	3.2	0.54	ug/L			11/15/10 12:02	3.2
Isopropylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
Bromobenzene	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.2
1,1,2,2-Tetrachloroethane	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
1,2,3-Trichloropropane	3.2	U	3.2	0.77	ug/L			11/15/10 12:02	3.2
n-Propylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
2-Chlorotoluene	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.2
4-Chlorotoluene	3.2	U	3.2	0.80	ug/L			11/15/10 12:02	3.2
1,3,5-Trimethylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
tert-Butylbenzene	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.2
1,2,4-Trimethylbenzene	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.2
sec-Butylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
1,3-Dichlorobenzene	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-33

Lab Sample ID: 200-2452-33

Date Collected: 11/02/10 17:53

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2
1,4-Dichlorobenzene	3.2	U	3.2	0.54	ug/L			11/15/10 12:02	3.2
1,2-Dichlorobenzene	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.2
n-Butylbenzene	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2
1,2-Dibromo-3-Chloropropane	3.2	U	3.2	1.1	ug/L			11/15/10 12:02	3.2
1,2,4-Trichlorobenzene	3.2	U	3.2	0.48	ug/L			11/15/10 12:02	3.2
Hexachlorobutadiene	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.2
Naphthalene	3.2	U	3.2	0.48	ug/L			11/15/10 12:02	3.2
1,2,3-Trichlorobenzene	3.2	U	3.2	0.45	ug/L			11/15/10 12:02	3.2
Acrolein	16	U	16	5.1	ug/L			11/15/10 12:02	3.2
Acrylonitrile	3.2	U	3.2	0.96	ug/L			11/15/10 12:02	3.2
Ethyl methacrylate	3.2	U	3.2	0.61	ug/L			11/15/10 12:02	3.2
Methyl methacrylate	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.2
trans-1,4-Dichloro-2-butene	3.2	U	3.2	0.83	ug/L			11/15/10 12:02	3.2
Tentatively Identified Compound									
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 12:02	3.2
Surrogate									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		80 - 115					11/15/10 12:02	3.2
Toluene-d8	100		80 - 115					11/15/10 12:02	3.2
Bromofluorobenzene	97		85 - 120					11/15/10 12:02	3.2
1,2-Dichlorobenzene-d4	96		80 - 115					11/15/10 12:02	3.2

Client Sample ID: A0K060451-34

Lab Sample ID: 200-2452-34

Date Collected: 11/02/10 17:15

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.7	U ^	1.7	0.65	ug/L			11/15/10 12:34	1.7
Chloromethane	1.7	U	1.7	0.48	ug/L			11/15/10 12:34	1.7
Vinyl chloride	49		1.7	0.58	ug/L			11/15/10 12:34	1.7
Bromomethane	1.7	U	1.7	0.49	ug/L			11/15/10 12:34	1.7
Chloroethane	1.7	U	1.7	0.66	ug/L			11/15/10 12:34	1.7
Trichlorofluoromethane	1.7	U	1.7	0.61	ug/L			11/15/10 12:34	1.7
1,1-Dichloroethene	2.1		1.7	0.39	ug/L			11/15/10 12:34	1.7
1,1,2-Trichloro-1,2,2-trifluoroethane	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
Acetone	8.5	U	8.5	2.9	ug/L			11/15/10 12:34	1.7
Iodomethane	1.7	U *	1.7	0.31	ug/L			11/15/10 12:34	1.7
Carbon disulfide	1.7	U *	1.7	0.22	ug/L			11/15/10 12:34	1.7
Methylene Chloride	1.7	U	1.7	0.42	ug/L			11/15/10 12:34	1.7
trans-1,2-Dichloroethene	4.7		1.7	0.24	ug/L			11/15/10 12:34	1.7
1,2-Dichloroethene, Total	140		1.7	0.53	ug/L			11/15/10 12:34	1.7
Methyl-t-Butyl Ether (MTBE)	1.7	U	1.7	0.36	ug/L			11/15/10 12:34	1.7
1,1-Dichloroethane	19		1.7	0.31	ug/L			11/15/10 12:34	1.7
Vinyl acetate	1.7	U	1.7	0.44	ug/L			11/15/10 12:34	1.7
2,2-Dichloropropane	1.7	U	1.7	0.39	ug/L			11/15/10 12:34	1.7
cis-1,2-Dichloroethene	140		1.7	0.31	ug/L			11/15/10 12:34	1.7
Methyl ethyl ketone (MEK)	8.5	U	8.5	1.7	ug/L			11/15/10 12:34	1.7
Bromochloromethane	1.7	U	1.7	0.63	ug/L			11/15/10 12:34	1.7

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-34

Lab Sample ID: 200-2452-34

Date Collected: 11/02/10 17:15

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	24	U	24	3.2	ug/L			11/15/10 12:34	1.7
Chloroform	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
1,1,1-Trichloroethane	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
1,1-Dichloropropene	1.7	U	1.7	0.27	ug/L			11/15/10 12:34	1.7
Carbon tetrachloride	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
Benzene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
1,2-Dichloroethane	1.7	U	1.7	0.31	ug/L			11/15/10 12:34	1.7
Trichloroethene	1.7	U	1.7	0.29	ug/L			11/15/10 12:34	1.7
Cyclohexane, methyl-	1.7	U	1.7	0.27	ug/L			11/15/10 12:34	1.7
1,2-Dichloropropane	1.7	U	1.7	0.36	ug/L			11/15/10 12:34	1.7
Dibromomethane	1.7	U	1.7	0.36	ug/L			11/15/10 12:34	1.7
Bromodichloromethane	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
2-Chloroethyl vinyl ether	1.7	U	1.7	0.24	ug/L			11/15/10 12:34	1.7
cis-1,3-Dichloropropene	1.7	U	1.7	0.31	ug/L			11/15/10 12:34	1.7
4-Methyl-2-pentanone (MIBK)	8.5	U	8.5	1.3	ug/L			11/15/10 12:34	1.7
Toluene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
trans-1,3-Dichloropropene	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
1,1,2-Trichloroethane	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
Tetrachloroethene	1.7	U	1.7	0.58	ug/L			11/15/10 12:34	1.7
1,3-Dichloropropane	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
2-Hexanone	8.5	U	8.5	1.4	ug/L			11/15/10 12:34	1.7
Chlorodibromomethane	1.7	U	1.7	0.46	ug/L			11/15/10 12:34	1.7
1,2-Dibromoethane	1.7	U	1.7	0.36	ug/L			11/15/10 12:34	1.7
Chlorobenzene	1.7	U	1.7	0.31	ug/L			11/15/10 12:34	1.7
1,1,1,2-Tetrachloroethane	1.7	U	1.7	0.39	ug/L			11/15/10 12:34	1.7
Ethylbenzene	1.7	U	1.7	0.31	ug/L			11/15/10 12:34	1.7
m&p-Xylene	1.7	U	1.7	0.68	ug/L			11/15/10 12:34	1.7
o-Xylene	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
Xylenes, Total	1.7	U	1.7	1.0	ug/L			11/15/10 12:34	1.7
Styrene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
Bromoform	1.7	U	1.7	0.29	ug/L			11/15/10 12:34	1.7
Isopropylbenzene	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
Bromobenzene	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.7
1,1,2,2-Tetrachloroethane	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
1,2,3-Trichloropropane	1.7	U	1.7	0.41	ug/L			11/15/10 12:34	1.7
n-Propylbenzene	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
2-Chlorotoluene	1.7	U	1.7	0.39	ug/L			11/15/10 12:34	1.7
4-Chlorotoluene	1.7	U	1.7	0.42	ug/L			11/15/10 12:34	1.7
1,3,5-Trimethylbenzene	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
tert-Butylbenzene	1.7	U	1.7	0.39	ug/L			11/15/10 12:34	1.7
1,2,4-Trimethylbenzene	1.7	U	1.7	0.36	ug/L			11/15/10 12:34	1.7
sec-Butylbenzene	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
1,3-Dichlorobenzene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
p-Isopropyltoluene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
1,4-Dichlorobenzene	1.7	U	1.7	0.29	ug/L			11/15/10 12:34	1.7
1,2-Dichlorobenzene	1.7	U	1.7	0.39	ug/L			11/15/10 12:34	1.7
n-Butylbenzene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
1,2-Dibromo-3-Chloropropane	1.7	U	1.7	0.56	ug/L			11/15/10 12:34	1.7
1,2,4-Trichlorobenzene	1.7	U	1.7	0.26	ug/L			11/15/10 12:34	1.7
Hexachlorobutadiene	1.7	U	1.7	0.36	ug/L			11/15/10 12:34	1.7

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-34

Lab Sample ID: 200-2452-34

Date Collected: 11/02/10 17:15

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.7	U	1.7	0.26	ug/L			11/15/10 12:34	1.7
1,2,3-Trichlorobenzene	1.7	U	1.7	0.24	ug/L			11/15/10 12:34	1.7
Acrolein	8.5	U	8.5	2.7	ug/L			11/15/10 12:34	1.7
Acrylonitrile	1.7	U	1.7	0.51	ug/L			11/15/10 12:34	1.7
Ethyl methacrylate	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.7
Methyl methacrylate	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.7
trans-1,4-Dichloro-2-butene	1.7	U	1.7	0.44	ug/L			11/15/10 12:34	1.7
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 12:34	1.7
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		80 - 115					11/15/10 12:34	1.7
Toluene-d8	104		80 - 115					11/15/10 12:34	1.7
Bromofluorobenzene	100		85 - 120					11/15/10 12:34	1.7
1,2-Dichlorobenzene-d4	99		80 - 115					11/15/10 12:34	1.7

Client Sample ID: A0K060451-35

Lab Sample ID: 200-2452-35

Date Collected: 11/02/10 16:20

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 13:06	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 13:06	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 13:06	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 13:06	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 13:06	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 13:06	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 13:06	1
Iodomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 13:06	1
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 13:06	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 13:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/15/10 13:06	1
1,2-Dichloroethene, Total	0.74	J	1.0	0.31	ug/L			11/15/10 13:06	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 13:06	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	1
cis-1,2-Dichloroethene	0.74	J	1.0	0.18	ug/L			11/15/10 13:06	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 13:06	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 13:06	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 13:06	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 13:06	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-35

Lab Sample ID: 200-2452-35

Date Collected: 11/02/10 16:20

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/15/10 13:06	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 13:06	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 13:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 13:06	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 13:06	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 13:06	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 13:06	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 13:06	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 13:06	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 13:06	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 13:06	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 13:06	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 13:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 13:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 13:06	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 13:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 13:06	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 13:06	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 13:06	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 13:06	1



Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-35

Lab Sample ID: 200-2452-35

Date Collected: 11/02/10 16:20

Matrix: Water

Date Received: 11/11/10 10:20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 13:06	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		80 - 115					11/15/10 13:06	1
Toluene-d8	102		80 - 115					11/15/10 13:06	1
Bromofluorobenzene	99		85 - 120					11/15/10 13:06	1
1,2-Dichlorobenzene-d4	98		80 - 115					11/15/10 13:06	1

Client Sample ID: A0K060451-36

Lab Sample ID: 200-2452-36

Date Collected: 11/02/10 19:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 13:38	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 13:38	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 13:38	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 13:38	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 13:38	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 13:38	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 13:38	1
Iodomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 13:38	1
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 13:38	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 13:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/15/10 13:38	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/15/10 13:38	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 13:38	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 13:38	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 13:38	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 13:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/15/10 13:38	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 13:38	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 13:38	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 13:38	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
1,1,1-Trichloroethane	0.72	J	1.0	0.20	ug/L			11/15/10 13:38	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 13:38	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 13:38	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/15/10 13:38	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 13:38	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 13:38	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 13:38	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 13:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 13:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 13:38	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-36

Lab Sample ID: 200-2452-36

Date Collected: 11/02/10 19:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 13:38	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 13:38	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 13:38	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 13:38	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 13:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 13:38	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 13:38	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 13:38	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 13:38	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 13:38	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 13:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 13:38	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 13:38	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 13:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 13:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 13:38	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 13:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 13:38	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 13:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 13:38	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 13:38	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 13:38	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 13:38	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 13:38	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 13:38	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 13:38	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 13:38	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 13:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 13:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		80 - 115		11/15/10 13:38	1
Toluene-d8	101		80 - 115		11/15/10 13:38	1
Bromofluorobenzene	97		85 - 120		11/15/10 13:38	1
1,2-Dichlorobenzene-d4	97		80 - 115		11/15/10 13:38	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-37

Lab Sample ID: 200-2452-37

Date Collected: 11/04/10 16:25

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 14:10	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 14:10	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 14:10	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 14:10	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 14:10	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 14:10	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 14:10	1
Iodomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 14:10	1
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 14:10	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 14:10	1
trans-1,2-Dichloroethene	0.65	J	1.0	0.14	ug/L			11/15/10 14:10	1
1,2-Dichloroethene, Total	12		1.0	0.31	ug/L			11/15/10 14:10	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 14:10	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 14:10	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	1
cis-1,2-Dichloroethene	12		1.0	0.18	ug/L			11/15/10 14:10	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 14:10	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 14:10	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 14:10	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 14:10	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
1,2-Dichloroethane	5.0		1.0	0.18	ug/L			11/15/10 14:10	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/15/10 14:10	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 14:10	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 14:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 14:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 14:10	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 14:10	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 14:10	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 14:10	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 14:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 14:10	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 14:10	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 14:10	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-37

Lab Sample ID: 200-2452-37

Date Collected: 11/04/10 16:25

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 14:10	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 14:10	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 14:10	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 14:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 14:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 14:10	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 14:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 14:10	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 14:10	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 14:10	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 14:10	1
Tentatively Identified Compound									
<i>Tentatively Identified Compound</i>	<i>None</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
			ug/L					11/15/10 14:10	1
Surrogate									
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	107		80 - 115					11/15/10 14:10	1
Toluene-d8	102		80 - 115					11/15/10 14:10	1
Bromofluorobenzene	99		85 - 120					11/15/10 14:10	1
1,2-Dichlorobenzene-d4	98		80 - 115					11/15/10 14:10	1

Client Sample ID: A0K060451-38

Lab Sample ID: 200-2452-38

Date Collected: 11/02/10 15:25

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^A	1.0	0.38	ug/L			11/15/10 14:43	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 14:43	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 14:43	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 14:43	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 14:43	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 14:43	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-38

Lab Sample ID: 200-2452-38

Date Collected: 11/02/10 15:25

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 14:43	1
Iodomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 14:43	1
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 14:43	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 14:43	1
trans-1,2-Dichloroethene	4.4		1.0	0.14	ug/L			11/15/10 14:43	1
1,2-Dichloroethene, Total	16		1.0	0.31	ug/L			11/15/10 14:43	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	1
1,1-Dichloroethane	0.43	J	1.0	0.18	ug/L			11/15/10 14:43	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 14:43	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	1
cis-1,2-Dichloroethene	11		1.0	0.18	ug/L			11/15/10 14:43	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 14:43	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 14:43	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 14:43	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 14:43	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	1
Trichloroethene	0.64	J	1.0	0.17	ug/L			11/15/10 14:43	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 14:43	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 14:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 14:43	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 14:43	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 14:43	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 14:43	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 14:43	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 14:43	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 14:43	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 14:43	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-38

Lab Sample ID: 200-2452-38

Date Collected: 11/02/10 15:25

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 14:43	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 14:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 14:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 14:43	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 14:43	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 14:43	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 14:43	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 14:43	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 14:43	1
Tentatively Identified Compound									
<i>Tentatively Identified Compound</i>	<i>None</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
			ug/L					11/15/10 14:43	1
Surrogate									
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	104		80 - 115					11/15/10 14:43	1
Toluene-d8	101		80 - 115					11/15/10 14:43	1
Bromofluorobenzene	98		85 - 120					11/15/10 14:43	1
1,2-Dichlorobenzene-d4	98		80 - 115					11/15/10 14:43	1

Client Sample ID: A0K060451-39

Lab Sample ID: 200-2452-39

Date Collected: 11/02/10 14:40

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 15:15	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 15:15	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 15:15	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 15:15	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 15:15	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 15:15	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 15:15	1
Iodomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 15:15	1
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 15:15	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 15:15	1
trans-1,2-Dichloroethene	17		1.0	0.14	ug/L			11/15/10 15:15	1
1,2-Dichloroethene, Total	49		1.0	0.31	ug/L			11/15/10 15:15	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-39

Lab Sample ID: 200-2452-39

Date Collected: 11/02/10 14:40

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	1
1,1-Dichloroethane	0.52	J	1.0	0.18	ug/L			11/15/10 15:15	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 15:15	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 15:15	1
cis-1,2-Dichloroethene	32		1.0	0.18	ug/L			11/15/10 15:15	1
Methyl ethyl ketone (MEK)	2.2	J	5.0	1.0	ug/L			11/15/10 15:15	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 15:15	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 15:15	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 15:15	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 15:15	1
Trichloroethene	31		1.0	0.17	ug/L			11/15/10 15:15	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 15:15	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 15:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 15:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 15:15	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 15:15	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 15:15	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 15:15	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 15:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 15:15	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 15:15	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 15:15	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 15:15	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 15:15	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 15:15	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 15:15	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 15:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 15:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1



Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-39

Lab Sample ID: 200-2452-39

Date Collected: 11/02/10 14:40

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 15:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 15:15	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 15:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 15:15	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 15:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 15:15	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 15:15	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 15:15	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 15:15	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 15:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		80 - 115		11/15/10 15:15	1
Toluene-d8	100		80 - 115		11/15/10 15:15	1
Bromofluorobenzene	97		85 - 120		11/15/10 15:15	1
1,2-Dichlorobenzene-d4	97		80 - 115		11/15/10 15:15	1

Client Sample ID: A0K060451-40

Lab Sample ID: 200-2452-40

Date Collected: 11/02/10 13:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^A	1.0	0.38	ug/L			11/15/10 15:47	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 15:47	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 15:47	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 15:47	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 15:47	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 15:47	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 15:47	1
Iodomethane	1.0	U [*]	1.0	0.18	ug/L			11/15/10 15:47	1
Carbon disulfide	1.0	U [*]	1.0	0.13	ug/L			11/15/10 15:47	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 15:47	1
trans-1,2-Dichloroethene	2.7		1.0	0.14	ug/L			11/15/10 15:47	1
1,2-Dichloroethene, Total	11		1.0	0.31	ug/L			11/15/10 15:47	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	1
1,1-Dichloroethane	0.84	J	1.0	0.18	ug/L			11/15/10 15:47	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 15:47	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	1
cis-1,2-Dichloroethene	8.2		1.0	0.18	ug/L			11/15/10 15:47	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 15:47	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 15:47	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-40

Lab Sample ID: 200-2452-40

Date Collected: 11/02/10 13:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 15:47	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
1,1,1-Trichloroethane	0.31	J	1.0	0.20	ug/L			11/15/10 15:47	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 15:47	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 15:47	1
Trichloroethene	19		1.0	0.17	ug/L			11/15/10 15:47	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 15:47	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 15:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 15:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 15:47	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 15:47	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 15:47	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 15:47	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 15:47	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 15:47	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 15:47	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 15:47	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 15:47	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 15:47	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 15:47	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 15:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 15:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 15:47	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-40

Lab Sample ID: 200-2452-40

Date Collected: 11/02/10 13:05

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 15:47	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 15:47	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 15:47	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 15:47	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 15:47	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 15:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	109		80 - 115		11/15/10 15:47	1
Toluene-d8	103		80 - 115		11/15/10 15:47	1
Bromofluorobenzene	100		85 - 120		11/15/10 15:47	1
1,2-Dichlorobenzene-d4	100		80 - 115		11/15/10 15:47	1

Client Sample ID: A0K060451-41

Lab Sample ID: 200-2452-41

Date Collected: 11/02/10 18:27

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 16:19	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 16:19	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 16:19	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 16:19	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 16:19	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 16:19	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 16:19	1
Iodomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 16:19	1
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 16:19	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 16:19	1
trans-1,2-Dichloroethene	46		1.0	0.14	ug/L			11/15/10 16:19	1
1,2-Dichloroethene, Total	72		1.0	0.31	ug/L			11/15/10 16:19	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 16:19	1
1,1-Dichloroethane	1.4		1.0	0.18	ug/L			11/15/10 16:19	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 16:19	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	1
cis-1,2-Dichloroethene	26		1.0	0.18	ug/L			11/15/10 16:19	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 16:19	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 16:19	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 16:19	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
1,1,1-Trichloroethane	1.8		1.0	0.20	ug/L			11/15/10 16:19	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 16:19	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 16:19	1

TestAmerica Burlington

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-41

Lab Sample ID: 200-2452-41

Date Collected: 11/02/10 18:27

Matrix: Water

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	64		1.0	0.17	ug/L			11/15/10 16:19	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 16:19	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 16:19	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 16:19	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 16:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 16:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 16:19	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 16:19	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 16:19	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 16:19	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 16:19	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 16:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 16:19	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 16:19	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 16:19	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 16:19	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 16:19	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 16:19	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 16:19	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 16:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 16:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 16:19	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 16:19	1
Naphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 16:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 16:19	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 16:19	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 16:19	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 16:19	1

Analytical Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-41

Lab Sample ID: 200-2452-41

Date Collected: 11/02/10 18:27

Matrix: Water

Date Received: 11/11/10 10:20

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	None		ug/L					11/15/10 16:19	1

<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4	105		80 - 115		11/15/10 16:19	1
Toluene-d8	102		80 - 115		11/15/10 16:19	1
Bromofluorobenzene	99		85 - 120		11/15/10 16:19	1
1,2-Dichlorobenzene-d4	98		80 - 115		11/15/10 16:19	1



Surrogate Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (80-115)	TOL (80-115)	BFB (85-120)	12DCB (80-115)
200-2452-1	AOK060451-1	108	106	103	100
200-2452-2	AOK060451-2	106	103	99	98
200-2452-2 MS	AOK060451-2	102	103	99	98
200-2452-2 MSD	AOK060451-2	102	103	97	97
200-2452-3	AOK060451-3	90	110	100	96
200-2452-4	AOK060451-4	95	107	99	96
200-2452-5	AOK060451-5	90	105	99	94
200-2452-6	AOK060451-6	94	109	101	96
200-2452-7	AOK060451-7	94	104	99	95
200-2452-8	AOK060451-8	93	108	101	97
200-2452-9	AOK060451-9	90	107	98	94
200-2452-10	AOK060451-10	86	106	99	93
200-2452-11	AOK060451-11	85	108	100	97
200-2452-12	AOK060451-12	105	102	100	100
200-2452-13	AOK060451-13	102	103	101	99
200-2452-14	AOK060451-14	106	102	99	98
200-2452-14 MS	AOK060451-14	105	106	101	101
200-2452-14 MSD	AOK060451-14	102	103	97	98
200-2452-15	AOK060451-15	102	101	98	95
200-2452-16	AOK060451-16	94	95	90	90
200-2452-17	AOK060451-17	104	104	100	98
200-2452-18	AOK060451-18	107	105	101	100
200-2452-19	AOK060451-19	105	102	98	97
200-2452-20	AOK060451-20	107	104	99	98
200-2452-21	AOK060451-21	107	102	99	99
200-2452-22	AOK060451-22	106	105	102	100
200-2452-23	AOK060451-23	105	101	98	99
200-2452-24	AOK060451-24	106	103	100	100
200-2452-25	AOK060451-25	104	103	99	98
200-2452-26	AOK060451-26	108	103	102	100
200-2452-27	AOK060451-27	103	101	98	97
200-2452-28	AOK060451-28	106	103	98	98
200-2452-29	AOK060451-29	104	101	98	98
200-2452-30	AOK060451-30	103	102	100	99
200-2452-31	AOK060451-31	105	100	98	97
200-2452-32	AOK060451-32	107	102	100	99
200-2452-33	AOK060451-33	102	100	97	96
200-2452-34	AOK060451-34	105	104	100	99
200-2452-35	AOK060451-35	106	102	99	98
200-2452-36	AOK060451-36	104	101	97	97
200-2452-37	AOK060451-37	107	102	99	98
200-2452-38	AOK060451-38	104	101	98	98
200-2452-39	AOK060451-39	104	100	97	97
200-2452-40	AOK060451-40	109	103	100	100
200-2452-41	AOK060451-41	105	102	99	98
LCS 200-9558/3	LCS 200-9558/3	104	105	98	98
LCS 200-9564/3	LCS 200-9564/3	103	104	99	97
LCS 200-9668/3	LCS 200-9668/3	104	103	97	96
MB 200-9558/5	MB 200-9558/5	108	105	99	98
MB 200-9564/5	MB 200-9564/5	106	102	99	97
MB 200-9668/5	MB 200-9668/5	107	105	101	99



Surrogate Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4

TOL = Toluene-d8

BFB = Bromofluorobenzene

12DCB = 1,2-Dichlorobenzene-d4



Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	1.0	U	1.0	0.38	ug/L			11/13/10 10:16	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 10:16	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 10:16	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/13/10 10:16	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 10:16	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 10:16	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 10:16	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
Carbon disulfide	0.153	J	1.0	0.13	ug/L			11/13/10 10:16	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 10:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/13/10 10:16	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 10:16	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 10:16	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 10:16	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 10:16	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/13/10 10:16	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/13/10 10:16	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/13/10 10:16	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 10:16	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/13/10 10:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/13/10 10:16	1
Toluene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 10:16	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 10:16	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 10:16	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 10:16	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 200-9558/5				Client Sample ID: MB 200-9558/5					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 9558									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 10:16	1
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/13/10 10:16	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 10:16	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 10:16	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 10:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 10:16	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 10:16	1
1,2,4-Trichlorobenzene	0.201	J	1.0	0.15	ug/L			11/13/10 10:16	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 10:16	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 10:16	1
Naphthalene	0.261	J	1.0	0.15	ug/L			11/13/10 10:16	1
1,2,3-Trichlorobenzene	0.211	J	1.0	0.14	ug/L			11/13/10 10:16	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 10:16	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L					11/13/10 10:16	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	108		80 - 115		11/13/10 10:16	1
Toluene-d8	105		80 - 115		11/13/10 10:16	1
Bromofluorobenzene	99		85 - 120		11/13/10 10:16	1
1,2-Dichlorobenzene-d4	98		80 - 115		11/13/10 10:16	1

Lab Sample ID: LCS 200-9558/3				Client Sample ID: LCS 200-9558/3			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 9558							
Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Dichlorodifluoromethane	25.0	38.6		ug/L		154	35 - 190
Chloromethane	25.0	27.7		ug/L		111	65 - 145
Vinyl chloride	25.0	29.5		ug/L		118	85 - 120
Bromomethane	25.0	27.9		ug/L		112	55 - 150
Chloroethane	25.0	28.3		ug/L		113	80 - 125

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9558/3				Client Sample ID: LCS 200-9558/3			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 9558							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Trichlorofluoromethane	25.0	26.6		ug/L		107	70 - 130
1,1-Dichloroethene	25.0	21.7		ug/L		87	85 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.0		ug/L		88	85 - 120
Acetone	125	124		ug/L		99	55 - 135
Iodomethane	25.0	22.5		ug/L		90	65 - 150
Carbon disulfide	25.0	21.3		ug/L		85	85 - 120
Methylene Chloride	25.0	23.4		ug/L		94	85 - 120
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	85 - 120
Methyl-t-Butyl Ether (MTBE)	25.0	24.0		ug/L		96	85 - 120
1,1-Dichloroethane	25.0	23.1		ug/L		93	85 - 120
Vinyl acetate	25.0	28.5		ug/L		114	60 - 160
2,2-Dichloropropane	25.0	24.7		ug/L		99	80 - 120
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	85 - 120
Methyl ethyl ketone (MEK)	125	131		ug/L		105	75 - 130
Bromochloromethane	25.0	24.3		ug/L		97	85 - 120
Tetrahydrofuran	350	343		ug/L		98	80 - 125
Chloroform	25.0	23.6		ug/L		94	85 - 120
1,1,1-Trichloroethane	25.0	23.8		ug/L		95	85 - 120
1,1-Dichloropropene	25.0	23.6		ug/L		94	80 - 120
Carbon tetrachloride	25.0	23.7		ug/L		95	80 - 120
Benzene	25.0	23.9		ug/L		95	85 - 120
1,2-Dichloroethane	25.0	24.1		ug/L		97	80 - 115
Trichloroethene	25.0	24.0		ug/L		96	85 - 120
Cyclohexane, methyl-	25.0	22.9		ug/L		92	60 - 140
1,2-Dichloropropane	25.0	25.0		ug/L		100	85 - 120
Dibromomethane	25.0	24.9		ug/L		100	85 - 120
Bromodichloromethane	25.0	25.8		ug/L		103	85 - 120
2-Chloroethyl vinyl ether	25.0	26.6		ug/L		107	85 - 120
cis-1,3-Dichloropropene	25.0	25.6		ug/L		102	85 - 120
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	80 - 120
Toluene	25.0	25.0		ug/L		100	85 - 120
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	85 - 120
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	85 - 120
Tetrachloroethene	25.0	24.8		ug/L		99	85 - 120
1,3-Dichloropropane	25.0	25.8		ug/L		103	80 - 120
2-Hexanone	125	136		ug/L		109	70 - 140
Chlorodibromomethane	25.0	27.3		ug/L		109	85 - 120
1,2-Dibromoethane	25.0	26.2		ug/L		105	85 - 120
Chlorobenzene	25.0	25.7		ug/L		103	85 - 120
1,1,1,2-Tetrachloroethane	25.0	26.3		ug/L		105	85 - 120
Ethylbenzene	25.0	25.4		ug/L		101	85 - 120
m&p-Xylene	50.0	51.3		ug/L		103	85 - 120
o-Xylene	25.0	25.9		ug/L		104	85 - 120
Styrene	25.0	26.0		ug/L		104	85 - 120
Bromoform	25.0	26.9		ug/L		108	85 - 120
Isopropylbenzene	25.0	25.2		ug/L		101	55 - 120
Bromobenzene	25.0	25.7		ug/L		103	85 - 120
1,1,1,2,2-Tetrachloroethane	25.0	27.0		ug/L		108	85 - 120
1,2,3-Trichloropropane	25.0	23.2		ug/L		93	80 - 115

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9558/3		Client Sample ID: LCS 200-9558/3						
Matrix: Water		Prep Type: Total/NA						
Analysis Batch: 9558								
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
n-Propylbenzene	25.0	25.3		ug/L		101	85 - 120	
2-Chlorotoluene	25.0	25.6		ug/L		103	85 - 120	
4-Chlorotoluene	25.0	25.6		ug/L		102	85 - 120	
1,3,5-Trimethylbenzene	25.0	25.2		ug/L		101	85 - 120	
tert-Butylbenzene	25.0	25.5		ug/L		102	85 - 120	
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	85 - 120	
sec-Butylbenzene	25.0	25.5		ug/L		102	85 - 120	
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	85 - 120	
p-Isopropyltoluene	25.0	25.1		ug/L		100	85 - 120	
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	85 - 120	
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	85 - 120	
n-Butylbenzene	25.0	25.8		ug/L		103	85 - 120	
1,2-Dibromo-3-Chloropropane	25.0	26.8		ug/L		107	85 - 120	
Acrolein	125	120		ug/L		96	55 - 150	
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	85 - 120	
Acrylonitrile	25.0	26.0		ug/L		104	80 - 120	
Ethyl methacrylate	25.0	25.9		ug/L		104	85 - 120	
Hexachlorobutadiene	25.0	26.8		ug/L		107	80 - 125	
Methyl methacrylate	25.0	24.6		ug/L		99	65 - 130	
Naphthalene	25.0	26.4		ug/L		106	85 - 125	
1,2,3-Trichlorobenzene	25.0	26.2		ug/L		105	85 - 120	
trans-1,4-Dichloro-2-butene	25.0	26.0		ug/L		104	80 - 120	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	104		80 - 115
Toluene-d8	105		80 - 115
Bromofluorobenzene	98		85 - 120
1,2-Dichlorobenzene-d4	98		80 - 115

Lab Sample ID: MB 200-9564/5		Client Sample ID: MB 200-9564/5							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 9564									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	1.0	U	1.0	0.38	ug/L			11/14/10 16:24	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/14/10 16:24	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/14/10 16:24	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/14/10 16:24	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/14/10 16:24	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 16:24	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/14/10 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
Acetone	5.0	U	5.0	1.7	ug/L			11/14/10 16:24	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
Carbon disulfide	0.165	J	1.0	0.13	ug/L			11/14/10 16:24	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 16:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/14/10 16:24	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/14/10 16:24	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 16:24	1

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 16:24	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 16:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 16:24	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 16:24	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/14/10 16:24	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 16:24	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
Benzene	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/14/10 16:24	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 16:24	1
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 16:24	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 16:24	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/14/10 16:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/14/10 16:24	1
Toluene	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 16:24	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 16:24	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 16:24	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 16:24	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 16:24	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 16:24	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 16:24	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 16:24	1
Styrene	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 16:24	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 16:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 16:24	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 16:24	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 16:24	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 16:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 16:24	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1

TestAmerica Burlington



Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 200-9564/5
Matrix: Water
Analysis Batch: 9564

Client Sample ID: MB 200-9564/5
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 16:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 16:24	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 16:24	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 16:24	1
1,2,4-Trichlorobenzene	0.211	J	1.0	0.15	ug/L			11/14/10 16:24	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 16:24	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 16:24	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 16:24	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 16:24	1
Naphthalene	0.278	J	1.0	0.15	ug/L			11/14/10 16:24	1
1,2,3-Trichlorobenzene	0.248	J	1.0	0.14	ug/L			11/14/10 16:24	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 16:24	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L					11/14/10 16:24	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	106		80 - 115		11/14/10 16:24	1
Toluene-d8	102		80 - 115		11/14/10 16:24	1
Bromofluorobenzene	99		85 - 120		11/14/10 16:24	1
1,2-Dichlorobenzene-d4	97		80 - 115		11/14/10 16:24	1

Lab Sample ID: LCS 200-9564/3
Matrix: Water
Analysis Batch: 9564

Client Sample ID: LCS 200-9564/3
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Dichlorodifluoromethane	25.0	35.8		ug/L		143	35 - 190
Chloromethane	25.0	25.7		ug/L		103	65 - 145
Vinyl chloride	25.0	27.7		ug/L		111	85 - 120
Bromomethane	25.0	23.2		ug/L		93	55 - 150
Chloroethane	25.0	27.2		ug/L		109	80 - 125
Trichlorofluoromethane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloroethene	25.0	21.6		ug/L		86	85 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.8		ug/L		87	85 - 120
Acetone	125	125		ug/L		100	55 - 135
Iodomethane	25.0	16.7		ug/L		67	65 - 150
Carbon disulfide	25.0	21.2		ug/L		85	85 - 120
Methylene Chloride	25.0	22.9		ug/L		92	85 - 120
trans-1,2-Dichloroethene	25.0	22.9		ug/L		91	85 - 120
Methyl-t-Butyl Ether (MTBE)	25.0	23.7		ug/L		95	85 - 120
1,1-Dichloroethane	25.0	22.9		ug/L		92	85 - 120
Vinyl acetate	25.0	25.7		ug/L		103	60 - 160
2,2-Dichloropropane	25.0	24.2		ug/L		97	80 - 120
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	85 - 120
Methyl ethyl ketone (MEK)	125	132		ug/L		105	75 - 130
Bromochloromethane	25.0	23.9		ug/L		95	85 - 120

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9564/3

Client Sample ID: LCS 200-9564/3

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 9564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrahydrofuran	350	338		ug/L		96	80 - 125
Chloroform	25.0	23.3		ug/L		93	85 - 120
1,1,1-Trichloroethane	25.0	23.4		ug/L		94	85 - 120
1,1-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Carbon tetrachloride	25.0	23.4		ug/L		94	80 - 120
Benzene	25.0	23.6		ug/L		94	85 - 120
1,2-Dichloroethane	25.0	23.9		ug/L		96	80 - 115
Trichloroethene	25.0	24.2		ug/L		97	85 - 120
Cyclohexane, methyl-	25.0	23.0		ug/L		92	60 - 140
1,2-Dichloropropane	25.0	24.3		ug/L		97	85 - 120
Dibromomethane	25.0	24.5		ug/L		98	85 - 120
Bromodichloromethane	25.0	25.2		ug/L		101	85 - 120
2-Chloroethyl vinyl ether	25.0	24.9		ug/L		100	85 - 120
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	85 - 120
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	80 - 120
Toluene	25.0	24.9		ug/L		99	85 - 120
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	85 - 120
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	85 - 120
Tetrachloroethene	25.0	25.0		ug/L		100	85 - 120
1,3-Dichloropropane	25.0	25.7		ug/L		103	80 - 120
2-Hexanone	125	133		ug/L		106	70 - 140
Chlorodibromomethane	25.0	26.7		ug/L		107	85 - 120
1,2-Dibromoethane	25.0	26.0		ug/L		104	85 - 120
Chlorobenzene	25.0	25.4		ug/L		102	85 - 120
1,1,1,2-Tetrachloroethane	25.0	25.8		ug/L		103	85 - 120
Ethylbenzene	25.0	25.3		ug/L		101	85 - 120
m&p-Xylene	50.0	51.0		ug/L		102	85 - 120
o-Xylene	25.0	25.4		ug/L		102	85 - 120
Styrene	25.0	25.8		ug/L		103	85 - 120
Bromoform	25.0	26.8		ug/L		107	85 - 120
Isopropylbenzene	25.0	25.5		ug/L		102	55 - 120
Bromobenzene	25.0	25.8		ug/L		103	85 - 120
1,1,1,2-Tetrachloroethane	25.0	26.6		ug/L		107	85 - 120
1,2,3-Trichloropropane	25.0	23.7		ug/L		95	80 - 115
n-Propylbenzene	25.0	25.5		ug/L		102	85 - 120
2-Chlorotoluene	25.0	25.7		ug/L		103	85 - 120
4-Chlorotoluene	25.0	25.9		ug/L		104	85 - 120
1,3,5-Trimethylbenzene	25.0	25.5		ug/L		102	85 - 120
tert-Butylbenzene	25.0	25.7		ug/L		103	85 - 120
1,2,4-Trimethylbenzene	25.0	25.9		ug/L		104	85 - 120
sec-Butylbenzene	25.0	25.8		ug/L		103	85 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	85 - 120
p-Isopropyltoluene	25.0	25.3		ug/L		101	85 - 120
1,4-Dichlorobenzene	25.0	25.9		ug/L		103	85 - 120
1,2-Dichlorobenzene	25.0	26.1		ug/L		105	85 - 120
n-Butylbenzene	25.0	25.9		ug/L		104	85 - 120
1,2-Dibromo-3-Chloropropane	25.0	26.8		ug/L		107	85 - 120
Acrolein	125	114		ug/L		91	55 - 150
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	85 - 120
Acrylonitrile	25.0	26.6		ug/L		106	80 - 120

TestAmerica Burlington



Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9564/3

Client Sample ID: LCS 200-9564/3

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 9564

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Ethyl methacrylate	25.0	25.3		ug/L		101	85 - 120
Hexachlorobutadiene	25.0	26.6		ug/L		107	80 - 125
Methyl methacrylate	25.0	24.2		ug/L		97	65 - 130
Naphthalene	25.0	27.4		ug/L		110	85 - 125
1,2,3-Trichlorobenzene	25.0	26.5		ug/L		106	85 - 120
trans-1,4-Dichloro-2-butene	25.0	26.1		ug/L		105	80 - 120

Surrogate	LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	103		80 - 115
Toluene-d8	104		80 - 115
Bromofluorobenzene	99		85 - 120
1,2-Dichlorobenzene-d4	97		80 - 115

Lab Sample ID: MB 200-9668/5

Client Sample ID: MB 200-9668/5

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 9668

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	1.0	U	1.0	0.38	ug/L			11/15/10 08:40	1
Chloromethane	1.0	U	1.0	0.28	ug/L			11/15/10 08:40	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/15/10 08:40	1
Bromomethane	1.0	U	1.0	0.29	ug/L			11/15/10 08:40	1
Chloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 08:40	1
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 08:40	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 08:40	1
Iodomethane	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/15/10 08:40	1
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 08:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.14	ug/L			11/15/10 08:40	1
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/15/10 08:40	1
Methyl t-butyl ether	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 08:40	1
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 08:40	1
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/15/10 08:40	1
Tetrahydrofuran	14	U	14	1.9	ug/L			11/15/10 08:40	1
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
1,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 08:40	1
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
1,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			11/15/10 08:40	1
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 08:40	1

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 200-9668/5
Matrix: Water
Analysis Batch: 9668

Client Sample ID: MB 200-9668/5
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 08:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 08:40	1
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
Tetrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 08:40	1
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 08:40	1
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 08:40	1
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	1
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	1
m&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 08:40	1
o-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 08:40	1
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 08:40	1
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 08:40	1
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	1
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 08:40	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 08:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	1
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 08:40	1
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 08:40	1
1,2,4-Trichlorobenzene	0.176	J	1.0	0.15	ug/L			11/15/10 08:40	1
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 08:40	1
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	1
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	1
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 08:40	1
Naphthalene	0.267	J	1.0	0.15	ug/L			11/15/10 08:40	1
1,2,3-Trichlorobenzene	0.230	J	1.0	0.14	ug/L			11/15/10 08:40	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 08:40	1

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 200-9668/5
Matrix: Water
Analysis Batch: 9668

Client Sample ID: MB 200-9668/5
Prep Type: Total/NA

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L					11/15/10 08:40	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier							
1,2-Dichloroethane-d4	107		80 - 115					11/15/10 08:40	1
Toluene-d8	105		80 - 115					11/15/10 08:40	1
Bromofluorobenzene	101		85 - 120					11/15/10 08:40	1
1,2-Dichlorobenzene-d4	99		80 - 115					11/15/10 08:40	1

Lab Sample ID: LCS 200-9668/3
Matrix: Water
Analysis Batch: 9668

Client Sample ID: LCS 200-9668/3
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Dichlorodifluoromethane	25.0	35.6		ug/L		142	35 - 190
Chloromethane	25.0	24.1		ug/L		96	65 - 145
Vinyl chloride	25.0	27.6		ug/L		110	85 - 120
Bromomethane	25.0	21.6		ug/L		86	55 - 150
Chloroethane	25.0	26.4		ug/L		106	80 - 125
Trichlorofluoromethane	25.0	25.5		ug/L		102	70 - 130
1,1-Dichloroethene	25.0	21.3		ug/L		85	85 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.7		ug/L		87	85 - 120
Acetone	125	127		ug/L		101	55 - 135
Iodomethane	25.0	14.1	*	ug/L		56	65 - 150
Carbon disulfide	25.0	21.0	*	ug/L		84	85 - 120
Methylene Chloride	25.0	22.8		ug/L		91	85 - 120
trans-1,2-Dichloroethene	25.0	22.6		ug/L		90	85 - 120
Methyl t-butyl ether	25.0	23.6		ug/L		94	85 - 120
Methyl-t-Butyl Ether (MTBE)	25.0	23.6		ug/L		94	85 - 120
1,1-Dichloroethane	25.0	22.8		ug/L		91	85 - 120
Vinyl acetate	25.0	28.3		ug/L		113	60 - 160
2,2-Dichloropropane	25.0	24.0		ug/L		96	80 - 120
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	85 - 120
Methyl ethyl ketone (MEK)	125	133		ug/L		106	75 - 130
Bromochloromethane	25.0	23.2		ug/L		93	85 - 120
Tetrahydrofuran	350	349		ug/L		100	80 - 125
Chloroform	25.0	23.1		ug/L		92	85 - 120
1,1,1-Trichloroethane	25.0	23.3		ug/L		93	85 - 120
1,1-Dichloropropene	25.0	23.1		ug/L		93	80 - 120
Carbon tetrachloride	25.0	23.2		ug/L		93	80 - 120
Benzene	25.0	23.3		ug/L		93	85 - 120
1,2-Dichloroethane	25.0	23.9		ug/L		96	80 - 115
Trichloroethene	25.0	23.4		ug/L		94	85 - 120
Cyclohexane, methyl-	25.0	22.9		ug/L		92	60 - 140
1,2-Dichloropropane	25.0	24.2		ug/L		97	85 - 120
Dibromomethane	25.0	24.5		ug/L		98	85 - 120
Bromodichloromethane	25.0	24.9		ug/L		99	85 - 120
2-Chloroethyl vinyl ether	25.0	25.7		ug/L		103	85 - 120
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	85 - 120

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9668/3		Client Sample ID: LCS 200-9668/3						
Matrix: Water		Prep Type: Total/NA						
Analysis Batch: 9668								
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	80 - 120	
Toluene	25.0	24.8		ug/L		99	85 - 120	
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	85 - 120	
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	85 - 120	
Tetrachloroethene	25.0	24.8		ug/L		99	85 - 120	
1,3-Dichloropropane	25.0	25.4		ug/L		102	80 - 120	
2-Hexanone	125	138		ug/L		111	70 - 140	
Chlorodibromomethane	25.0	26.7		ug/L		107	85 - 120	
1,2-Dibromoethane	25.0	25.9		ug/L		103	85 - 120	
Chlorobenzene	25.0	25.4		ug/L		102	85 - 120	
1,1,1,2-Tetrachloroethane	25.0	26.0		ug/L		104	85 - 120	
Ethylbenzene	25.0	25.3		ug/L		101	85 - 120	
m&p-Xylene	50.0	50.5		ug/L		101	85 - 120	
o-Xylene	25.0	25.5		ug/L		102	85 - 120	
Styrene	25.0	25.6		ug/L		102	85 - 120	
Bromoform	25.0	27.1		ug/L		108	85 - 120	
Isopropylbenzene	25.0	25.1		ug/L		100	55 - 120	
Bromobenzene	25.0	25.7		ug/L		103	85 - 120	
1,1,2,2-Tetrachloroethane	25.0	27.2		ug/L		109	85 - 120	
1,2,3-Trichloropropane	25.0	24.0		ug/L		96	80 - 115	
n-Propylbenzene	25.0	25.1		ug/L		100	85 - 120	
2-Chlorotoluene	25.0	25.4		ug/L		102	85 - 120	
4-Chlorotoluene	25.0	26.0		ug/L		104	85 - 120	
1,3,5-Trimethylbenzene	25.0	25.0		ug/L		100	85 - 120	
tert-Butylbenzene	25.0	25.5		ug/L		102	85 - 120	
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		102	85 - 120	
sec-Butylbenzene	25.0	25.6		ug/L		102	85 - 120	
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	85 - 120	
p-Isopropyltoluene	25.0	25.2		ug/L		101	85 - 120	
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	85 - 120	
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	85 - 120	
n-Butylbenzene	25.0	25.7		ug/L		103	85 - 120	
1,2-Dibromo-3-Chloropropane	25.0	27.5		ug/L		110	85 - 120	
Acrolein	125	118		ug/L		94	55 - 150	
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	85 - 120	
Acrylonitrile	25.0	25.7		ug/L		103	80 - 120	
Ethyl methacrylate	25.0	25.9		ug/L		103	85 - 120	
Hexachlorobutadiene	25.0	26.5		ug/L		106	80 - 125	
Methyl methacrylate	25.0	25.2		ug/L		101	65 - 130	
Naphthalene	25.0	26.3		ug/L		105	85 - 125	
1,2,3-Trichlorobenzene	25.0	26.3		ug/L		105	85 - 120	
trans-1,4-Dichloro-2-butene	25.0	26.4		ug/L		106	80 - 120	

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	104		80 - 115
Toluene-d8	103		80 - 115
Bromofluorobenzene	97		85 - 120
1,2-Dichlorobenzene-d4	96		80 - 115

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-2 MS

Client Sample ID: A0K060451-2

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 9668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	Limits
Acrolein	5.0	U	125	102		ug/L		81	55 - 150
Acrylonitrile	1.0	U	25.0	24.7		ug/L		99	80 - 120
Ethyl methacrylate	1.0	U	25.0	25.8		ug/L		103	85 - 120
Methyl methacrylate	1.0	U	25.0	24.2		ug/L		97	65 - 130
trans-1,4-Dichloro-2-butene	1.0	U	25.0	25.1		ug/L		100	80 - 120
Dichlorodifluoromethane	1.0	U ^A	25.0	33.3	^A	ug/L		133	35 - 190
Chloromethane	1.0	U	25.0	12.0	F	ug/L		48	65 - 145
Vinyl chloride	11		25.0	33.5		ug/L		88	85 - 120
Bromomethane	1.0	U	25.0	18.5		ug/L		74	55 - 150
Chloroethane	1.0	U	25.0	23.4		ug/L		93	80 - 125
Trichlorofluoromethane	1.0	U	25.0	24.7		ug/L		99	70 - 130
1,1-Dichloroethene	1.0	U	25.0	21.2		ug/L		85	85 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	21.3		ug/L		85	85 - 120
Acetone	5.0	U	125	121		ug/L		97	55 - 135
Iodomethane	1.0	U	25.0	14.5	F	ug/L		58	65 - 150
Carbon disulfide	1.0	U	25.0	21.0	F	ug/L		84	85 - 120
Methylene Chloride	1.0	U	25.0	22.2		ug/L		89	85 - 120
trans-1,2-Dichloroethene	1.0	U	25.0	22.8		ug/L		91	85 - 120
Methyl t-butyl ether	1.0		25.0	23.5		ug/L		94	85 - 120
1,1-Dichloroethane	1.0	U	25.0	22.3		ug/L		89	85 - 120
Vinyl acetate	1.0	U	25.0	23.4		ug/L		94	60 - 160
2,2-Dichloropropane	1.0	U	25.0	19.7	F	ug/L		79	80 - 120
cis-1,2-Dichloroethene	1.0	U	25.0	23.3		ug/L		93	85 - 120
Methyl ethyl ketone (MEK)	5.0	U	125	126		ug/L		100	75 - 130
Bromochloromethane	1.0	U	25.0	23.7		ug/L		95	85 - 120
Tetrahydrofuran	14	U	350	336		ug/L		96	80 - 125
Chloroform	1.0	U	25.0	23.1		ug/L		93	85 - 120
1,1,1-Trichloroethane	1.0	U	25.0	23.3		ug/L		93	85 - 120
1,1-Dichloropropene	1.0	U	25.0	22.8		ug/L		91	80 - 120
Carbon tetrachloride	1.0	U	25.0	23.4		ug/L		93	80 - 120
Benzene	1.0	U	25.0	23.4		ug/L		94	85 - 120
1,2-Dichloroethane	1.0	U	25.0	23.7		ug/L		95	80 - 115
Trichloroethene	1.0	U	25.0	23.6		ug/L		94	85 - 120
Cyclohexane, methyl-	1.0	U	25.0	22.2		ug/L		89	60 - 140
1,2-Dichloropropane	1.0	U	25.0	24.4		ug/L		98	85 - 120
Dibromomethane	1.0	U	25.0	24.4		ug/L		98	85 - 120
Bromodichloromethane	1.0	U	25.0	25.2		ug/L		101	85 - 120
2-Chloroethyl vinyl ether	1.0	U	25.0	1.0	U F	ug/L		0	85 - 120
cis-1,3-Dichloropropene	1.0	U	25.0	24.3		ug/L		97	85 - 120
4-Methyl-2-pentanone (MIBK)	5.0	U	125	134		ug/L		107	80 - 120
Toluene	0.38	J	25.0	24.8		ug/L		98	85 - 120
trans-1,3-Dichloropropene	1.0	U	25.0	24.9		ug/L		100	85 - 120
1,1,2-Trichloroethane	1.0	U	25.0	26.1		ug/L		104	85 - 120
Tetrachloroethene	1.0	U	25.0	24.8		ug/L		99	85 - 120
1,3-Dichloropropane	1.0	U	25.0	25.7		ug/L		103	80 - 120
2-Hexanone	5.0	U	125	135		ug/L		108	70 - 140
Chlorodibromomethane	1.0	U	25.0	27.0		ug/L		108	85 - 120
1,2-Dibromoethane	1.0	U	25.0	26.0		ug/L		104	85 - 120
Chlorobenzene	1.0	U	25.0	25.3		ug/L		101	85 - 120

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-2 MS

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-2

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier		Added	Result					
1,1,1,2-Tetrachloroethane	1.0	U	25.0	25.9		ug/L		104	104	85 - 120
Ethylbenzene	1.0	U	25.0	25.0		ug/L		100	100	85 - 120
m&p-Xylene	1.0	U	50.0	50.1		ug/L		100	100	85 - 120
o-Xylene	1.0	U	25.0	25.3		ug/L		101	101	85 - 120
Styrene	1.0	U	25.0	24.8		ug/L		99	99	85 - 120
Bromoform	1.0	U	25.0	26.7		ug/L		107	107	85 - 120
Isopropylbenzene	1.0	U	25.0	25.6		ug/L		102	102	55 - 120
Bromobenzene	1.0	U	25.0	26.0		ug/L		104	104	85 - 120
1,1,2,2-Tetrachloroethane	1.0	U	25.0	27.8		ug/L		111	111	85 - 120
1,2,3-Trichloropropane	1.0	U	25.0	24.3		ug/L		97	97	80 - 115
n-Propylbenzene	1.0	U	25.0	25.1		ug/L		100	100	85 - 120
2-Chlorotoluene	1.0	U	25.0	25.8		ug/L		103	103	85 - 120
4-Chlorotoluene	1.0	U	25.0	25.9		ug/L		104	104	85 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	24.9		ug/L		100	100	85 - 120
tert-Butylbenzene	1.0	U	25.0	25.6		ug/L		102	102	85 - 120
1,2,4-Trimethylbenzene	1.0	U	25.0	25.0		ug/L		100	100	85 - 120
sec-Butylbenzene	1.0	U	25.0	25.3		ug/L		101	101	85 - 120
1,3-Dichlorobenzene	1.0	U	25.0	25.7		ug/L		103	103	85 - 120
p-Isopropyltoluene	1.0	U	25.0	24.5		ug/L		98	98	85 - 120
1,4-Dichlorobenzene	1.0	U	25.0	25.8		ug/L		103	103	85 - 120
1,2-Dichlorobenzene	1.0	U	25.0	25.9		ug/L		104	104	85 - 120
n-Butylbenzene	1.0	U	25.0	24.3		ug/L		97	97	85 - 120
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	27.7		ug/L		111	111	85 - 120
1,2,4-Trichlorobenzene	1.0	U	25.0	24.0	B	ug/L		96	96	85 - 120
Hexachlorobutadiene	1.0	U	25.0	25.9		ug/L		104	104	80 - 125
Naphthalene	1.0	U	25.0	24.2	B	ug/L		97	97	85 - 125
1,2,3-Trichlorobenzene	1.0	U	25.0	25.0	B	ug/L		100	100	85 - 120

Surrogate	MS	MS	Qualifier	Limits
	% Recovery			
1,2-Dichloroethane-d4	102			80 - 115
Toluene-d8	103			80 - 115
Bromofluorobenzene	99			85 - 120
1,2-Dichlorobenzene-d4	98			80 - 115

Lab Sample ID: 200-2452-2 MSD

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-2

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	Limits	RPD	Limit
	Result	Qualifier		Added	Result							
Acrolein	5.0	U	125	101		ug/L		81	81	55 - 150	0	30
Acrylonitrile	1.0	U	25.0	26.4		ug/L		106	106	80 - 120	7	30
Ethyl methacrylate	1.0	U	25.0	25.5		ug/L		102	102	85 - 120	1	30
Methyl methacrylate	1.0	U	25.0	24.6		ug/L		98	98	65 - 130	1	30
trans-1,4-Dichloro-2-butene	1.0	U	25.0	24.8		ug/L		99	99	80 - 120	1	30
Dichlorodifluoromethane	1.0	U ^A	25.0	32.6	^A	ug/L		130	130	35 - 190	2	30
Chloromethane	1.0	U	25.0	25.9	F	ug/L		103	103	65 - 145	73	30
Vinyl chloride	11		25.0	36.3		ug/L		100	100	85 - 120	8	30
Bromomethane	1.0	U	25.0	13.0	F	ug/L		52	52	55 - 150	35	30
Chloroethane	1.0	U	25.0	26.9		ug/L		108	108	80 - 125	14	30

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-2 MSD
Matrix: Water
Analysis Batch: 9668

Client Sample ID: A0K060451-2
Prep Type: Total/NA

Analyte	Sample		Spike Added	MSD		Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Trichlorofluoromethane	1.0	U	25.0	24.2		ug/L		97	70 - 130	2	30
1,1-Dichloroethene	1.0	U	25.0	21.0	F	ug/L		84	85 - 120	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	20.8	F	ug/L		83	85 - 120	2	30
Acetone	5.0	U	125	126		ug/L		101	55 - 135	5	30
Iodomethane	1.0	U	25.0	11.5	F	ug/L		46	65 - 150	23	30
Carbon disulfide	1.0	U	25.0	20.9	F	ug/L		84	85 - 120	1	30
Methylene Chloride	1.0	U	25.0	22.6		ug/L		91	85 - 120	2	30
trans-1,2-Dichloroethene	1.0	U	25.0	22.3		ug/L		89	85 - 120	2	30
Methyl t-butyl ether	1.0		25.0	23.1		ug/L		92	85 - 120	2	30
1,1-Dichloroethane	1.0	U	25.0	22.3		ug/L		89	85 - 120	0	30
Vinyl acetate	1.0	U	25.0	22.2		ug/L		89	60 - 160	5	30
2,2-Dichloropropane	1.0	U	25.0	19.2	F	ug/L		77	80 - 120	3	30
cis-1,2-Dichloroethene	1.0	U	25.0	22.6		ug/L		91	85 - 120	3	30
Methyl ethyl ketone (MEK)	5.0	U	125	132		ug/L		106	75 - 130	5	30
Bromochloromethane	1.0	U	25.0	22.5		ug/L		90	85 - 120	5	30
Tetrahydrofuran	14	U	350	342		ug/L		98	80 - 125	2	30
Chloroform	1.0	U	25.0	22.8		ug/L		91	85 - 120	1	30
1,1,1-Trichloroethane	1.0	U	25.0	22.7		ug/L		91	85 - 120	2	30
1,1-Dichloropropene	1.0	U	25.0	22.6		ug/L		90	80 - 120	1	30
Carbon tetrachloride	1.0	U	25.0	22.7		ug/L		91	80 - 120	3	30
Benzene	1.0	U	25.0	23.1		ug/L		92	85 - 120	1	30
1,2-Dichloroethane	1.0	U	25.0	23.0		ug/L		92	80 - 115	3	30
Trichloroethene	1.0	U	25.0	23.1		ug/L		93	85 - 120	2	30
Cyclohexane, methyl-	1.0	U	25.0	21.5		ug/L		86	60 - 140	3	30
1,2-Dichloropropane	1.0	U	25.0	23.8		ug/L		95	85 - 120	3	30
Dibromomethane	1.0	U	25.0	24.0		ug/L		96	85 - 120	2	30
Bromodichloromethane	1.0	U	25.0	24.6		ug/L		99	85 - 120	2	30
2-Chloroethyl vinyl ether	1.0	U	25.0	1.0	U F	ug/L		0	85 - 120	NC	30
cis-1,3-Dichloropropene	1.0	U	25.0	23.7		ug/L		95	85 - 120	2	30
4-Methyl-2-pentanone (MIBK)	5.0	U	125	134		ug/L		107	80 - 120	0	30
Toluene	0.38	J	25.0	24.5		ug/L		96	85 - 120	1	30
trans-1,3-Dichloropropene	1.0	U	25.0	24.2		ug/L		97	85 - 120	3	30
1,1,2-Trichloroethane	1.0	U	25.0	25.8		ug/L		103	85 - 120	1	30
Tetrachloroethene	1.0	U	25.0	24.2		ug/L		97	85 - 120	2	30
1,3-Dichloropropane	1.0	U	25.0	25.0		ug/L		100	80 - 120	3	30
2-Hexanone	5.0	U	125	140		ug/L		112	70 - 140	3	30
Chlorodibromomethane	1.0	U	25.0	26.3		ug/L		105	85 - 120	3	30
1,2-Dibromoethane	1.0	U	25.0	25.7		ug/L		103	85 - 120	1	30
Chlorobenzene	1.0	U	25.0	24.9		ug/L		100	85 - 120	1	30
1,1,1,2-Tetrachloroethane	1.0	U	25.0	25.6		ug/L		103	85 - 120	1	30
Ethylbenzene	1.0	U	25.0	24.8		ug/L		99	85 - 120	1	30
m&p-Xylene	1.0	U	50.0	50.2		ug/L		100	85 - 120	0	30
o-Xylene	1.0	U	25.0	25.3		ug/L		101	85 - 120	0	30
Styrene	1.0	U	25.0	24.6		ug/L		98	85 - 120	1	30
Bromoform	1.0	U	25.0	26.9		ug/L		107	85 - 120	0	30
Isopropylbenzene	1.0	U	25.0	25.1		ug/L		100	55 - 120	2	30
Bromobenzene	1.0	U	25.0	25.5		ug/L		102	85 - 120	2	30
1,1,2,2-Tetrachloroethane	1.0	U	25.0	27.3		ug/L		109	85 - 120	2	30
1,2,3-Trichloropropane	1.0	U	25.0	24.5		ug/L		98	80 - 115	1	30

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-2 MSD

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-2

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
n-Propylbenzene	1.0	U	25.0	24.9		ug/L		100	85 - 120	1	30
2-Chlorotoluene	1.0	U	25.0	25.1		ug/L		101	85 - 120	3	30
4-Chlorotoluene	1.0	U	25.0	25.4		ug/L		102	85 - 120	2	30
1,3,5-Trimethylbenzene	1.0	U	25.0	24.9		ug/L		100	85 - 120	0	30
tert-Butylbenzene	1.0	U	25.0	25.3		ug/L		101	85 - 120	1	30
1,2,4-Trimethylbenzene	1.0	U	25.0	25.5		ug/L		102	85 - 120	2	30
sec-Butylbenzene	1.0	U	25.0	25.0		ug/L		100	85 - 120	1	30
1,3-Dichlorobenzene	1.0	U	25.0	25.5		ug/L		102	85 - 120	1	30
p-Isopropyltoluene	1.0	U	25.0	24.5		ug/L		98	85 - 120	0	30
1,4-Dichlorobenzene	1.0	U	25.0	25.1		ug/L		100	85 - 120	3	30
1,2-Dichlorobenzene	1.0	U	25.0	25.7		ug/L		103	85 - 120	1	30
n-Butylbenzene	1.0	U	25.0	24.8		ug/L		99	85 - 120	2	30
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	27.6		ug/L		110	85 - 120	0	30
1,2,4-Trichlorobenzene	1.0	U	25.0	25.4	B	ug/L		101	85 - 120	6	30
Hexachlorobutadiene	1.0	U	25.0	25.5		ug/L		102	80 - 125	2	30
Naphthalene	1.0	U	25.0	27.5	B	ug/L		110	85 - 125	13	30
1,2,3-Trichlorobenzene	1.0	U	25.0	26.3	B	ug/L		105	85 - 120	5	30

Surrogate	MSD MSD		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	102		80 - 115
Toluene-d8	103		80 - 115
Bromofluorobenzene	97		85 - 120
1,2-Dichlorobenzene-d4	97		80 - 115

Lab Sample ID: 200-2452-14 MS

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Acrolein	5.0	U	125	102		ug/L		82	55 - 150	
Acrylonitrile	1.0	U	25.0	24.7		ug/L		99	80 - 120	
Ethyl methacrylate	1.0	U	25.0	26.5		ug/L		106	85 - 120	
Methyl methacrylate	1.0	U	25.0	24.7		ug/L		99	65 - 130	
trans-1,4-Dichloro-2-butene	1.0	U	25.0	25.3		ug/L		101	80 - 120	
Dichlorodifluoromethane	1.0	U ^A	25.0	34.4	^A	ug/L		138	35 - 190	
Chloromethane	1.0	U	25.0	21.0		ug/L		84	65 - 145	
Vinyl chloride	1.0	U	25.0	26.6		ug/L		106	85 - 120	
Bromomethane	1.0	U	25.0	14.3		ug/L		57	55 - 150	
Chloroethane	1.0	U	25.0	31.3		ug/L		125	80 - 125	
Trichlorofluoromethane	1.0	U	25.0	25.4		ug/L		101	70 - 130	
1,1-Dichloroethene	1.0	U	25.0	21.9		ug/L		88	85 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	21.6		ug/L		86	85 - 120	
Acetone	5.0	U	125	123		ug/L		98	55 - 135	
Iodomethane	1.0	U	25.0	10.7	F	ug/L		43	65 - 150	
Carbon disulfide	1.0	U	25.0	21.3		ug/L		85	85 - 120	
Methylene Chloride	1.0	U	25.0	23.5		ug/L		94	85 - 120	
trans-1,2-Dichloroethene	1.0	U	25.0	23.3		ug/L		93	85 - 120	
Methyl t-butyl ether	1.0	U	25.0	24.3		ug/L		97	85 - 120	
1,1-Dichloroethane	1.0	U	25.0	23.0		ug/L		92	85 - 120	

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-14 MS

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.
	Result	Qualifier		Added	Result				
Vinyl acetate	1.0	U	25.0	22.7		ug/L		91	60 - 160
2,2-Dichloropropane	1.0	U	25.0	19.6	F	ug/L		79	80 - 120
cis-1,2-Dichloroethene	0.23	J	25.0	23.8		ug/L		94	85 - 120
Methyl ethyl ketone (MEK)	5.0	U	125	134		ug/L		107	75 - 130
Bromochloromethane	1.0	U	25.0	24.0		ug/L		96	85 - 120
Tetrahydrofuran	14	U	350	350		ug/L		100	80 - 125
Chloroform	1.0	U	25.0	23.7		ug/L		95	85 - 120
1,1,1-Trichloroethane	1.0	U	25.0	23.9		ug/L		96	85 - 120
1,1-Dichloropropene	1.0	U	25.0	23.7		ug/L		95	80 - 120
Carbon tetrachloride	1.0	U	25.0	23.8		ug/L		95	80 - 120
Benzene	1.0	U	25.0	23.7		ug/L		95	85 - 120
1,2-Dichloroethane	1.0	U	25.0	24.5		ug/L		98	80 - 115
Trichloroethene	1.0	U	25.0	24.1		ug/L		96	85 - 120
Cyclohexane, methyl-	1.0	U	25.0	22.8		ug/L		91	60 - 140
1,2-Dichloropropane	1.0	U	25.0	25.0		ug/L		100	85 - 120
Dibromomethane	1.0	U	25.0	25.2		ug/L		101	85 - 120
Bromodichloromethane	1.0	U	25.0	25.9		ug/L		104	85 - 120
2-Chloroethyl vinyl ether	1.0	U	25.0	1.0	U F	ug/L		0	85 - 120
cis-1,3-Dichloropropene	1.0	U	25.0	25.1		ug/L		100	85 - 120
4-Methyl-2-pentanone (MIBK)	5.0	U	125	138		ug/L		111	80 - 120
Toluene	1.0	U	25.0	25.1		ug/L		100	85 - 120
trans-1,3-Dichloropropene	1.0	U	25.0	24.7		ug/L		99	85 - 120
1,1,2-Trichloroethane	1.0	U	25.0	26.9		ug/L		107	85 - 120
Tetrachloroethene	0.55	J	25.0	25.5		ug/L		100	85 - 120
1,3-Dichloropropane	1.0	U	25.0	25.8		ug/L		103	80 - 120
2-Hexanone	5.0	U	125	140		ug/L		112	70 - 140
Chlorodibromomethane	1.0	U	25.0	27.5		ug/L		110	85 - 120
1,2-Dibromoethane	1.0	U	25.0	26.7		ug/L		107	85 - 120
Chlorobenzene	1.0	U	25.0	25.9		ug/L		103	85 - 120
1,1,1,2-Tetrachloroethane	1.0	U	25.0	26.6		ug/L		106	85 - 120
Ethylbenzene	1.0	U	25.0	25.4		ug/L		102	85 - 120
m&p-Xylene	1.0	U	50.0	51.4		ug/L		103	85 - 120
o-Xylene	1.0	U	25.0	25.7		ug/L		103	85 - 120
Styrene	1.0	U	25.0	26.0		ug/L		104	85 - 120
Bromoform	1.0	U	25.0	27.6		ug/L		110	85 - 120
Isopropylbenzene	1.0	U	25.0	25.9		ug/L		104	55 - 120
Bromobenzene	1.0	U	25.0	26.6		ug/L		106	85 - 120
1,1,2,2-Tetrachloroethane	1.0	U	25.0	28.3		ug/L		113	85 - 120
1,2,3-Trichloropropane	1.0	U	25.0	24.7		ug/L		99	80 - 115
n-Propylbenzene	1.0	U	25.0	25.9		ug/L		103	85 - 120
2-Chlorotoluene	1.0	U	25.0	26.2		ug/L		105	85 - 120
4-Chlorotoluene	1.0	U	25.0	26.6		ug/L		106	85 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	26.0		ug/L		104	85 - 120
tert-Butylbenzene	1.0	U	25.0	26.3		ug/L		105	85 - 120
1,2,4-Trimethylbenzene	1.0	U	25.0	26.6		ug/L		107	85 - 120
sec-Butylbenzene	1.0	U	25.0	26.2		ug/L		105	85 - 120
1,3-Dichlorobenzene	1.0	U	25.0	26.7		ug/L		107	85 - 120
p-Isopropyltoluene	1.0	U	25.0	25.5		ug/L		102	85 - 120
1,4-Dichlorobenzene	1.0	U	25.0	26.5		ug/L		106	85 - 120
1,2-Dichlorobenzene	1.0	U	25.0	27.0		ug/L		108	85 - 120

TestAmerica Burlington



Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-14 MS

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	% Rec	% Rec. Limits
	Result	Qualifier		Result	Qualifier				
n-Butylbenzene	1.0	U	25.0	25.8		ug/L		103	85 - 120
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	28.0		ug/L		112	85 - 120
1,2,4-Trichlorobenzene	1.0	U	25.0	26.2	B	ug/L		105	85 - 120
Hexachlorobutadiene	1.0	U	25.0	26.8		ug/L		107	80 - 125
Naphthalene	1.0	U	25.0	27.8	B	ug/L		111	85 - 125
1,2,3-Trichlorobenzene	1.0	U	25.0	27.5	B	ug/L		110	85 - 120
MS MS									
Surrogate	% Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4	105		80 - 115						
Toluene-d8	106		80 - 115						
Bromofluorobenzene	101		85 - 120						
1,2-Dichlorobenzene-d4	101		80 - 115						

Lab Sample ID: 200-2452-14 MSD

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	% Rec	% Rec. Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Acrolein	5.0	U	125	109		ug/L		87	55 - 150	6	30
Acrylonitrile	1.0	U	25.0	26.7		ug/L		107	80 - 120	8	30
Ethyl methacrylate	1.0	U	25.0	26.1		ug/L		104	85 - 120	1	30
Methyl methacrylate	1.0	U	25.0	24.7		ug/L		99	65 - 130	0	30
trans-1,4-Dichloro-2-butene	1.0	U	25.0	25.1		ug/L		100	80 - 120	1	30
Dichlorodifluoromethane	1.0	U ^A	25.0	33.4	^A	ug/L		133	35 - 190	3	30
Chloromethane	1.0	U	25.0	23.0		ug/L		92	65 - 145	9	30
Vinyl chloride	1.0	U	25.0	26.3		ug/L		105	85 - 120	1	30
Bromomethane	1.0	U	25.0	16.2		ug/L		65	55 - 150	12	30
Chloroethane	1.0	U	25.0	30.7		ug/L		123	80 - 125	2	30
Trichlorofluoromethane	1.0	U	25.0	24.8		ug/L		99	70 - 130	2	30
1,1-Dichloroethene	1.0	U	25.0	21.7		ug/L		87	85 - 120	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	21.7		ug/L		87	85 - 120	0	30
Acetone	5.0	U	125	132		ug/L		105	55 - 135	7	30
Iodomethane	1.0	U	25.0	12.8	F	ug/L		51	65 - 150	17	30
Carbon disulfide	1.0	U	25.0	21.0	F	ug/L		84	85 - 120	1	30
Methylene Chloride	1.0	U	25.0	23.4		ug/L		94	85 - 120	0	30
trans-1,2-Dichloroethene	1.0	U	25.0	23.1		ug/L		92	85 - 120	1	30
Methyl t-butyl ether	1.0	U	25.0	24.0		ug/L		96	85 - 120	1	30
1,1-Dichloroethane	1.0	U	25.0	23.1		ug/L		92	85 - 120	0	30
Vinyl acetate	1.0	U	25.0	22.2		ug/L		89	60 - 160	2	30
2,2-Dichloropropane	1.0	U	25.0	19.2	F	ug/L		77	80 - 120	2	30
cis-1,2-Dichloroethene	0.23	J	25.0	23.9		ug/L		95	85 - 120	0	30
Methyl ethyl ketone (MEK)	5.0	U	125	135		ug/L		108	75 - 130	1	30
Bromochloromethane	1.0	U	25.0	23.9		ug/L		95	85 - 120	1	30
Tetrahydrofuran	14	U	350	352		ug/L		101	80 - 125	1	30
Chloroform	1.0	U	25.0	23.6		ug/L		94	85 - 120	0	30
1,1,1-Trichloroethane	1.0	U	25.0	23.6		ug/L		94	85 - 120	2	30
1,1-Dichloropropene	1.0	U	25.0	23.4		ug/L		93	80 - 120	1	30
Carbon tetrachloride	1.0	U	25.0	23.7		ug/L		95	80 - 120	0	30
Benzene	1.0	U	25.0	23.6		ug/L		94	85 - 120	1	30

TestAmerica Burlington

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-14 MSD

Matrix: Water

Analysis Batch: 9668

Client Sample ID: A0K060451-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,2-Dichloroethane	1.0	U	25.0	23.9		ug/L		96	80 - 115	2	30
Trichloroethene	1.0	U	25.0	24.2		ug/L		97	85 - 120	0	30
Cyclohexane, methyl-	1.0	U	25.0	22.7		ug/L		91	60 - 140	0	30
1,2-Dichloropropane	1.0	U	25.0	25.0		ug/L		100	85 - 120	0	30
Dibromomethane	1.0	U	25.0	25.0		ug/L		100	85 - 120	1	30
Bromodichloromethane	1.0	U	25.0	25.8		ug/L		103	85 - 120	0	30
2-Chloroethyl vinyl ether	1.0	U	25.0	1.0	U F	ug/L		0	85 - 120	NC	30
cis-1,3-Dichloropropene	1.0	U	25.0	24.6		ug/L		98	85 - 120	2	30
4-Methyl-2-pentanone (MIBK)	5.0	U	125	135		ug/L		108	80 - 120	2	30
Toluene	1.0	U	25.0	24.8		ug/L		99	85 - 120	1	30
trans-1,3-Dichloropropene	1.0	U	25.0	24.5		ug/L		98	85 - 120	1	30
1,1,2-Trichloroethane	1.0	U	25.0	26.2		ug/L		105	85 - 120	3	30
Tetrachloroethene	0.55	J	25.0	25.4		ug/L		99	85 - 120	0	30
1,3-Dichloropropane	1.0	U	25.0	25.9		ug/L		104	80 - 120	0	30
2-Hexanone	5.0	U	125	137		ug/L		110	70 - 140	2	30
Chlorodibromomethane	1.0	U	25.0	27.1		ug/L		109	85 - 120	1	30
1,2-Dibromoethane	1.0	U	25.0	26.0		ug/L		104	85 - 120	3	30
Chlorobenzene	1.0	U	25.0	25.6		ug/L		103	85 - 120	1	30
1,1,1,2-Tetrachloroethane	1.0	U	25.0	26.2		ug/L		105	85 - 120	2	30
Ethylbenzene	1.0	U	25.0	25.2		ug/L		101	85 - 120	1	30
m&p-Xylene	1.0	U	50.0	50.2		ug/L		100	85 - 120	2	30
o-Xylene	1.0	U	25.0	25.6		ug/L		102	85 - 120	0	30
Styrene	1.0	U	25.0	25.6		ug/L		102	85 - 120	2	30
Bromoform	1.0	U	25.0	27.4		ug/L		110	85 - 120	1	30
Isopropylbenzene	1.0	U	25.0	25.5		ug/L		102	55 - 120	1	30
Bromobenzene	1.0	U	25.0	26.2		ug/L		105	85 - 120	1	30
1,1,2,2-Tetrachloroethane	1.0	U	25.0	27.7		ug/L		111	85 - 120	2	30
1,2,3-Trichloropropane	1.0	U	25.0	24.3		ug/L		97	80 - 115	1	30
n-Propylbenzene	1.0	U	25.0	25.2		ug/L		101	85 - 120	3	30
2-Chlorotoluene	1.0	U	25.0	25.6		ug/L		102	85 - 120	2	30
4-Chlorotoluene	1.0	U	25.0	25.9		ug/L		104	85 - 120	2	30
1,3,5-Trimethylbenzene	1.0	U	25.0	25.5		ug/L		102	85 - 120	2	30
tert-Butylbenzene	1.0	U	25.0	25.9		ug/L		104	85 - 120	2	30
1,2,4-Trimethylbenzene	1.0	U	25.0	26.0		ug/L		104	85 - 120	3	30
sec-Butylbenzene	1.0	U	25.0	25.8		ug/L		103	85 - 120	1	30
1,3-Dichlorobenzene	1.0	U	25.0	26.2		ug/L		105	85 - 120	2	30
p-Isopropyltoluene	1.0	U	25.0	25.2		ug/L		101	85 - 120	1	30
1,4-Dichlorobenzene	1.0	U	25.0	25.9		ug/L		103	85 - 120	2	30
1,2-Dichlorobenzene	1.0	U	25.0	26.5		ug/L		106	85 - 120	2	30
n-Butylbenzene	1.0	U	25.0	25.5		ug/L		102	85 - 120	1	30
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	27.6		ug/L		110	85 - 120	2	30
1,2,4-Trichlorobenzene	1.0	U	25.0	26.1	B	ug/L		104	85 - 120	0	30
Hexachlorobutadiene	1.0	U	25.0	26.5		ug/L		106	80 - 125	1	30
Naphthalene	1.0	U	25.0	27.7	B	ug/L		111	85 - 125	0	30
1,2,3-Trichlorobenzene	1.0	U	25.0	26.8	B	ug/L		107	85 - 120	3	30

Surrogate	MSD	MSD	Qualifier	Limits
	% Recovery			
1,2-Dichloroethane-d4	102			80 - 115
Toluene-d8	103			80 - 115

Quality Control Data

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-14 MSD
Matrix: Water
Analysis Batch: 9668

Client Sample ID: A0K060451-14
Prep Type: Total/NA

Surrogate	MSD		Limits
	% Recovery	Qualifier	
Bromofluorobenzene	97		85 - 120
1,2-Dichlorobenzene-d4	98		80 - 115



QC Association Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

GC/MS VOA

Analysis Batch: 9558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-2452-5	A0K060451-5	Total/NA	Water	8260B	
200-2452-6	A0K060451-6	Total/NA	Water	8260B	
200-2452-7	A0K060451-7	Total/NA	Water	8260B	
200-2452-8	A0K060451-8	Total/NA	Water	8260B	
200-2452-9	A0K060451-9	Total/NA	Water	8260B	
200-2452-10	A0K060451-10	Total/NA	Water	8260B	
200-2452-11	A0K060451-11	Total/NA	Water	8260B	
200-2452-12	A0K060451-12	Total/NA	Water	8260B	
200-2452-13	A0K060451-13	Total/NA	Water	8260B	
200-2452-14	A0K060451-14	Total/NA	Water	8260B	
LCS 200-9558/3	LCS 200-9558/3	Total/NA	Water	8260B	
MB 200-9558/5	MB 200-9558/5	Total/NA	Water	8260B	
200-2452-1	A0K060451-1	Total/NA	Water	8260B	
200-2452-2	A0K060451-2	Total/NA	Water	8260B	
200-2452-3	A0K060451-3	Total/NA	Water	8260B	
200-2452-4	A0K060451-4	Total/NA	Water	8260B	

Analysis Batch: 9564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-2452-19	A0K060451-19	Total/NA	Water	8260B	
200-2452-20	A0K060451-20	Total/NA	Water	8260B	
200-2452-21	A0K060451-21	Total/NA	Water	8260B	
200-2452-22	A0K060451-22	Total/NA	Water	8260B	
200-2452-23	A0K060451-23	Total/NA	Water	8260B	
200-2452-24	A0K060451-24	Total/NA	Water	8260B	
200-2452-25	A0K060451-25	Total/NA	Water	8260B	
200-2452-26	A0K060451-26	Total/NA	Water	8260B	
200-2452-27	A0K060451-27	Total/NA	Water	8260B	
200-2452-28	A0K060451-28	Total/NA	Water	8260B	
200-2452-29	A0K060451-29	Total/NA	Water	8260B	
200-2452-30	A0K060451-30	Total/NA	Water	8260B	
200-2452-31	A0K060451-31	Total/NA	Water	8260B	
200-2452-32	A0K060451-32	Total/NA	Water	8260B	
LCS 200-9564/3	LCS 200-9564/3	Total/NA	Water	8260B	
MB 200-9564/5	MB 200-9564/5	Total/NA	Water	8260B	
200-2452-15	A0K060451-15	Total/NA	Water	8260B	
200-2452-16	A0K060451-16	Total/NA	Water	8260B	
200-2452-17	A0K060451-17	Total/NA	Water	8260B	
200-2452-18	A0K060451-18	Total/NA	Water	8260B	

Analysis Batch: 9668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-2452-33	A0K060451-33	Total/NA	Water	8260B	
200-2452-34	A0K060451-34	Total/NA	Water	8260B	
200-2452-35	A0K060451-35	Total/NA	Water	8260B	
200-2452-36	A0K060451-36	Total/NA	Water	8260B	
200-2452-37	A0K060451-37	Total/NA	Water	8260B	
200-2452-38	A0K060451-38	Total/NA	Water	8260B	
200-2452-39	A0K060451-39	Total/NA	Water	8260B	
200-2452-40	A0K060451-40	Total/NA	Water	8260B	
200-2452-41	A0K060451-41	Total/NA	Water	8260B	
200-2452-2 MS	A0K060451-2	Total/NA	Water	8260B	



QC Association Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

GC/MS VOA (Continued)

Analysis Batch: 9668 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-2452-2 MSD	A0K060451-2	Total/NA	Water	8260B	
200-2452-14 MS	A0K060451-14	Total/NA	Water	8260B	
200-2452-14 MSD	A0K060451-14	Total/NA	Water	8260B	
LCS 200-9668/3	LCS 200-9668/3	Total/NA	Water	8260B	
MB 200-9668/5	MB 200-9668/5	Total/NA	Water	8260B	



Lab Chronicle

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: AOK060451-1

Date Collected: 11/02/10 10:55

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 10:58	JRH	TestAmerica Burlington

Client Sample ID: AOK060451-2

Date Collected: 11/02/10 12:50

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 11:29	JRH	TestAmerica Burlington

Client Sample ID: AOK060451-3

Date Collected: 11/02/10 14:55

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 12:01	JRH	TestAmerica Burlington

Client Sample ID: AOK060451-4

Date Collected: 11/03/10 10:45

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 12:33	JRH	TestAmerica Burlington

Client Sample ID: AOK060451-5

Date Collected: 11/03/10 12:15

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 13:05	JRH	TestAmerica Burlington

Client Sample ID: AOK060451-6

Date Collected: 11/03/10 12:50

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 13:37	JRH	TestAmerica Burlington

Client Sample ID: AOK060451-7

Date Collected: 11/03/10 14:10

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 14:09	JRH	TestAmerica Burlington

TestAmerica Burlington

Lab Chronicle

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-8

Date Collected: 11/03/10 00:00

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 14:41	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-9

Date Collected: 11/04/10 00:00

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 15:13	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-10

Date Collected: 11/03/10 16:10

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 15:45	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-11

Date Collected: 11/03/10 16:30

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 16:17	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-12

Date Collected: 11/04/10 07:56

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 16:49	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-13

Date Collected: 11/04/10 08:35

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 17:21	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-14

Date Collected: 11/04/10 10:00

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9558	11/13/10 17:52	JRH	TestAmerica Burlington

TestAmerica Burlington



Lab Chronicle

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-15

Date Collected: 11/04/10 11:10

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 17:05	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-16

Date Collected: 11/04/10 11:55

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 17:37	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-17

Date Collected: 11/04/10 12:32

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4.4	9564	11/14/10 18:09	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-18

Date Collected: 11/04/10 13:01

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		40	9564	11/14/10 18:41	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-19

Date Collected: 11/04/10 13:24

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 19:13	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-20

Date Collected: 11/04/10 14:01

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	9564	11/14/10 19:45	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-21

Date Collected: 11/04/10 14:33

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 20:17	JRH	TestAmerica Burlington

TestAmerica Burlington

Lab Chronicle

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-22

Lab Sample ID: 200-2452-22

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4.7	9564	11/14/10 20:49	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-23

Lab Sample ID: 200-2452-23

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 21:21	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-24

Lab Sample ID: 200-2452-24

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 21:53	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-25

Lab Sample ID: 200-2452-25

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 22:25	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-26

Lab Sample ID: 200-2452-26

Date Collected: 11/04/10 00:00

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 22:57	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-27

Lab Sample ID: 200-2452-27

Date Collected: 11/03/10 12:00

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/14/10 23:30	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-28

Lab Sample ID: 200-2452-28

Date Collected: 11/03/10 11:04

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/15/10 00:02	JRH	TestAmerica Burlington

TestAmerica Burlington



Lab Chronicle

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-29

Lab Sample ID: 200-2452-29

Date Collected: 11/03/10 10:28

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	9564	11/15/10 00:34	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-30

Lab Sample ID: 200-2452-30

Date Collected: 11/02/10 12:05

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.5	9564	11/15/10 01:06	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-31

Lab Sample ID: 200-2452-31

Date Collected: 11/02/10 11:30

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/15/10 01:38	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-32

Lab Sample ID: 200-2452-32

Date Collected: 11/01/10 17:55

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9564	11/15/10 02:10	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-33

Lab Sample ID: 200-2452-33

Date Collected: 11/02/10 17:53

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		3.2	9668	11/15/10 12:02	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-34

Lab Sample ID: 200-2452-34

Date Collected: 11/02/10 17:15

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.7	9668	11/15/10 12:34	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-35

Lab Sample ID: 200-2452-35

Date Collected: 11/02/10 16:20

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 13:06	JRH	TestAmerica Burlington

TestAmerica Burlington



Lab Chronicle

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-36

Lab Sample ID: 200-2452-36

Date Collected: 11/02/10 19:05

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 13:38	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-37

Lab Sample ID: 200-2452-37

Date Collected: 11/04/10 16:25

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 14:10	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-38

Lab Sample ID: 200-2452-38

Date Collected: 11/02/10 15:25

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 14:43	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-39

Lab Sample ID: 200-2452-39

Date Collected: 11/02/10 14:40

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 15:15	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-40

Lab Sample ID: 200-2452-40

Date Collected: 11/02/10 13:05

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 15:47	JRH	TestAmerica Burlington

Client Sample ID: A0K060451-41

Lab Sample ID: 200-2452-41

Date Collected: 11/02/10 18:27

Matrix: Water

Date Received: 11/11/10 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	9668	11/15/10 16:19	JRH	TestAmerica Burlington

TestAmerica Burlington



Certification Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica Burlington		USDA		P330-08-00041	02/25/11
TestAmerica Burlington	ACLASS	DoD ELAP	0	ADE-1492	10/22/12
TestAmerica Burlington	Connecticut	State Program	1	PH-0751	09/30/11
TestAmerica Burlington	Delaware	Delaware SIRB	3	DNREC	06/30/11
TestAmerica Burlington	Maine	State Program	1	VT0008	04/17/11
TestAmerica Burlington	Minnesota	State Program	5	050-999-436	03/30/11
TestAmerica Burlington	New Hampshire	NELAC	1	200609	12/18/10
TestAmerica Burlington	New Jersey	NELAC	2	VT972	06/30/11
TestAmerica Burlington	New York	NELAC	2	10391	04/01/11
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489	04/30/11
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298	12/30/10
TestAmerica Burlington	Vermont	State Program	1	VT-4000	12/31/10

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Method Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUR

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990



Sample Summary

Client: TestAmerica Laboratories, Inc.
Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-2452-1	A0K060451-1	Water	11/02/10 10:55	11/11/10 10:20
200-2452-2	A0K060451-2	Water	11/02/10 12:50	11/11/10 10:20
200-2452-3	A0K060451-3	Water	11/02/10 14:55	11/11/10 10:20
200-2452-4	A0K060451-4	Water	11/03/10 10:45	11/11/10 10:20
200-2452-5	A0K060451-5	Water	11/03/10 12:15	11/11/10 10:20
200-2452-6	A0K060451-6	Water	11/03/10 12:50	11/11/10 10:20
200-2452-7	A0K060451-7	Water	11/03/10 14:10	11/11/10 10:20
200-2452-8	A0K060451-8	Water	11/03/10 00:00	11/11/10 10:20
200-2452-9	A0K060451-9	Water	11/04/10 00:00	11/11/10 10:20
200-2452-10	A0K060451-10	Water	11/03/10 16:10	11/11/10 10:20
200-2452-11	A0K060451-11	Water	11/03/10 16:30	11/11/10 10:20
200-2452-12	A0K060451-12	Water	11/04/10 07:56	11/11/10 10:20
200-2452-13	A0K060451-13	Water	11/04/10 08:35	11/11/10 10:20
200-2452-14	A0K060451-14	Water	11/04/10 10:00	11/11/10 10:20
200-2452-15	A0K060451-15	Water	11/04/10 11:10	11/11/10 10:20
200-2452-16	A0K060451-16	Water	11/04/10 11:55	11/11/10 10:20
200-2452-17	A0K060451-17	Water	11/04/10 12:32	11/11/10 10:20
200-2452-18	A0K060451-18	Water	11/04/10 13:01	11/11/10 10:20
200-2452-19	A0K060451-19	Water	11/04/10 13:24	11/11/10 10:20
200-2452-20	A0K060451-20	Water	11/04/10 14:01	11/11/10 10:20
200-2452-21	A0K060451-21	Water	11/04/10 14:33	11/11/10 10:20
200-2452-22	A0K060451-22	Water	11/04/10 00:00	11/11/10 10:20
200-2452-23	A0K060451-23	Water	11/04/10 00:00	11/11/10 10:20
200-2452-24	A0K060451-24	Water	11/04/10 00:00	11/11/10 10:20
200-2452-25	A0K060451-25	Water	11/04/10 00:00	11/11/10 10:20
200-2452-26	A0K060451-26	Water	11/04/10 00:00	11/11/10 10:20
200-2452-27	A0K060451-27	Water	11/03/10 12:00	11/11/10 10:20
200-2452-28	A0K060451-28	Water	11/03/10 11:04	11/11/10 10:20
200-2452-29	A0K060451-29	Water	11/03/10 10:28	11/11/10 10:20
200-2452-30	A0K060451-30	Water	11/02/10 12:05	11/11/10 10:20
200-2452-31	A0K060451-31	Water	11/02/10 11:30	11/11/10 10:20
200-2452-32	A0K060451-32	Water	11/01/10 17:55	11/11/10 10:20
200-2452-33	A0K060451-33	Water	11/02/10 17:53	11/11/10 10:20
200-2452-34	A0K060451-34	Water	11/02/10 17:15	11/11/10 10:20
200-2452-35	A0K060451-35	Water	11/02/10 16:20	11/11/10 10:20
200-2452-36	A0K060451-36	Water	11/02/10 19:05	11/11/10 10:20
200-2452-37	A0K060451-37	Water	11/04/10 16:25	11/11/10 10:20
200-2452-38	A0K060451-38	Water	11/02/10 15:25	11/11/10 10:20
200-2452-39	A0K060451-39	Water	11/02/10 14:40	11/11/10 10:20
200-2452-40	A0K060451-40	Water	11/02/10 13:05	11/11/10 10:20
200-2452-41	A0K060451-41	Water	11/02/10 18:27	11/11/10 10:20





ORIGIN ID: PHDA
AL HAIDET
TEST AMERICA
4101 SHUFFEL DR

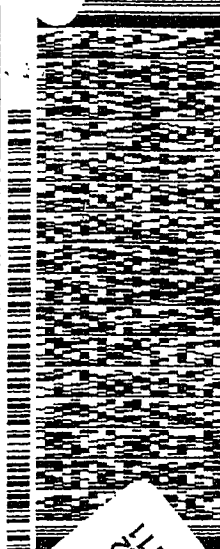
NORTH CANTON, OH 44720
UNITED STATES US

SHIP DATE: 10NOV10
ACTWGT: 46.0 LB
CAD: 607102/CAFE2471

BILL RECIPIENT

ENVIRONMENTAL SAMPLE RECEIPT
TEST AMERICA BURLINGTON LABORATORY
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

(802) 660-1990
DEPT: AL HAIDET



FT 716

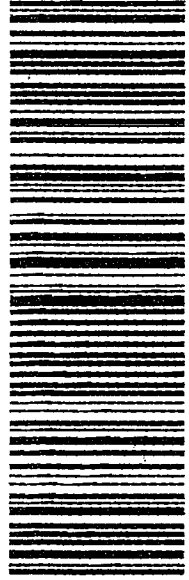


THU - 11 NOV AA
PRIORITY OVERNIGHT

05403
VT-US
BTV

MPS# 9784 4674 4573
Mstr# 9784 4674 4562 0201

EH BTVA



595C1/BCDR/DR47

ORIGIN ID: PHDA
AL HAIDET
TEST AMERICA
4101 SHUFFEL DR

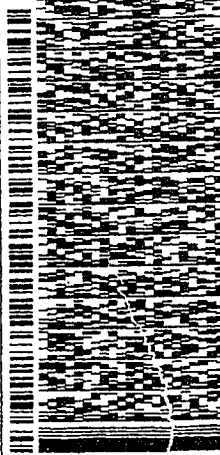
NORTH CANTON, OH 44720
UNITED STATES US

SHIP DATE: 10NOV10
ACTWGT: 46.0 LB
CAD: 607102/CAFE2471

BILL RECIPIENT

ENVIRONMENTAL SAMPLE RECEIPT
TEST AMERICA BURLINGTON LABORATORY
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

(802) 660-1990
DEPT: AL HAIDET



FT 716

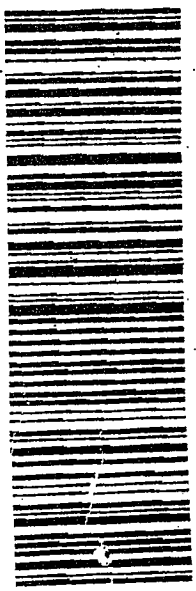


THU - 11 NOV AA
PRIORITY OVERNIGHT

05403
VT-US
BTV

TRKH 9784 4674 4562
0201
HH MASTER HH

EH BTVA



595C1/BCDR/DR47



TestAmerica Burlington
 30 Community Drive Suite 11

South Burlington, VT 05403

Client Code: 63159

Project Manager: MARK LOEB

Report Package: Need Analytical Report
 Report: 2010-11-16

Sample I.D.	Work Order Number	Client Sample ID	Sampling Date	Analysis Required
A0K060451-1	L9NAV	D5 1110	2010-11-02 10:55	WATER, 8260 Full List (Burlington)
A0K060451-2	L9NAX	D4 1110	2010-11-02 12:50	WATER, 8260 Full List (Burlington)
A0K060451-2 S	L9NAX	D4 1110	2010-11-02 12:50	WATER, 8260 Full List (Burlington)
A0K060451-2 D	L9NAX	D4 1110	2010-11-02 12:50	WATER, 8260 Full List (Burlington)
A0K060451-3	L9NA1	D7 1110	2010-11-02 14:55	WATER, 8260 Full List (Burlington)
A0K060451-4	L9NA5	D12 1110	2010-11-03 10:45	WATER, 8260 Full List (Burlington)
A0K060451-5	L9NA6	9D 1110	2010-11-03 12:15	WATER, 8260 Full List (Burlington)
A0K060451-6	L9NA8	D8 1110	2010-11-03 12:50	WATER, 8260 Full List (Burlington)
A0K060451-7	L9NA9	7D 1110	2010-11-03 14:10	WATER, 8260 Full List (Burlington)
A0K060451-8	L9NCA	MW-100 1110	2010-11-03	WATER, 8260 Full List (Burlington)
A0K060451-9	L9NCC	MW-101 1110	2010-11-04	WATER, 8260 Full List (Burlington)

Handwritten: SRS/MSD

Please use Client Sample ID for report

Call MARK LOEB with questions at 330-497-9396
 at the TAL North Canton Laboratory

Shipping Method: FED EX

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

Reinquisitioned by: *[Signature]* Date/Time: 11/10/10 1740

Reinquisitioned by: *[Signature]* Date/Time: 11/11/10 1020

Received for lab by: *[Signature]*

11/19/2010

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION



Laboratory TestAmerica Burlington
 30 Community Drive Suite 11

South Burlington, VT 05403

Client Code: 63159

Lab Request SR122369

Report Package: Need Analytical Report

Report 2010-11-16

Project Manager: MARK LOEB

Sample I.D.	Work Order Number	Client Sample ID	Sampling Date	Analysis Required
A0K060451-10	L9NCD	S9 1110	2010-11-03 16:10	WATER, 8260 Full List (Burlington)
A0K060451-11	L9NCE	S15 1110	2010-11-03 16:30	WATER, 8260 Full List (Burlington)
A0K060451-12	L9NCF	S3 1110	2010-11-04 7:56	WATER, 8260 Full List (Burlington)
A0K060451-13	L9NCH	S14 1110	2010-11-04 8:35	WATER, 8260 Full List (Burlington)
A0K060451-14	L9NCJ	7-25 1110	2010-11-04 10:00	WATER, 8260 Full List (Burlington)
A0K060451-14 S	L9NCJ	7-25 1110	2010-11-04 10:00	WATER, 8260 Full List (Burlington)
A0K060451-14 D	L9NCJ	7-25 1110	2010-11-04 10:00	WATER, 8260 Full List (Burlington)
A0K060451-15	L9NCL	7-50 1110	2010-11-04 11:10	WATER, 8260 Full List (Burlington)
A0K060451-16	L9NCM	MW-5 1110	2010-11-04 11:55	WATER, 8260 Full List (Burlington)
A0K060451-17	L9NCN	MW-11 1110	2010-11-04 12:32	WATER, 8260 Full List (Burlington)
A0K060451-18	L9NCP	MW-2 1110	2010-11-04 13:01	WATER, 8260 Full List (Burlington)

EMSD

Please use Client Sample ID for report

Call MARK LOEB with questions at 330-497-9396

at the TAL North Canton Laboratory

Shipping Method: FED EX

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

Relinquished by: [Signature] Date/Time: 11/10/10 1740

Relinquished by: [Signature] Date/Time: _____

Received for lab by: [Signature] Date/Time: 11/11/10 1020

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION



Test/America Laboratories, Inc.
SAMPLE ANALYSIS REQUISITION

Laboratory
 Test/America Burlington
 30 Community Drive Suite 11

South Burlington, VT 05403

Client Code: 63159

Lab Request SR122369

Report Package:
 Need Analytical Report

Report
 2010-11-16

Project Manager: MARK LOEB

Sample I.D.	Work Order Number	Client Sample ID	Sampling Date	Analysis Required
A0K060451-19	L9NCQ	MW-12 1110	2010-11-04 13:24	WATER, 8260 Full List (Burlington)
A0K060451-20	L9NCR	MW-4 1110	2010-11-04 14:01	WATER, 8260 Full List (Burlington)
A0K060451-21	L9NCV	MW-9 1110	2010-11-04 14:33	WATER, 8260 Full List (Burlington)
A0K060451-22	L9NCW	MW-102 1110	2010-11-04	WATER, 8260 Full List (Burlington)
A0K060451-23	L9NCX	MW-103 1110	2010-11-04	WATER, 8260 Full List (Burlington)
A0K060451-24	L9NCI	TRIP BLANK	2010-11-04	WATER, 8260 Full List (Burlington)
A0K060451-25	L9NEQ	TRIP BLANK	2010-11-04	WATER, 8260 Full List (Burlington)
A0K060451-26	L9NER	MW-104 1110	2010-11-04	WATER, 8260 Full List (Burlington)
A0K060451-27	L9NET	S17 1110	2010-11-03 12:00	WATER, 8260 Full List (Burlington)
A0K060451-28	L9NEW	86-10 1110	2010-11-03 11:04	WATER, 8260 Full List (Burlington)
A0K060451-29	L9NEX	86-15 1110	2010-11-03 10:28	WATER, 8260 Full List (Burlington)

Please use Client Sample ID for report

Call MARK LOEB with questions at 330-497-9396
 at the TAL North Canton Laboratory

Shipping Method: FED EX

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

Relinquished by: [Signature] Date/Time: 11/10/10 1740

Relinquished by: [Signature] Date/Time: 11/11/10 1020

Received for lab by: [Signature]

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION



Laboratory TestAmerica Burlington
 30 Community Drive Suite 11

South Burlington, VT 05403

Client Code: 63159

Report Package: Need Analytical Report
 Report 2010-11-16

Project Manager: MARK LOEB

Sample I.D.	Work Order Number	Client Sample ID	Sampling Date	Analysis Required
AOK060451-30	L9NE0	S24 1110	2010-11-02 12:05	WATER, 8260 Full List (Burlington)
AOK060451-31	L9NE1	S27 1110	2010-11-02 11:30	WATER, 8260 Full List (Burlington)
AOK060451-32	L9NE3	MW-7 1110	2010-11-01 17:55	WATER, 8260 Full List (Burlington)
AOK060451-33	L9NE7	S16 1110	2010-11-02 17:53	WATER, 8260 Full List (Burlington)
AOK060451-34	L9NE8	S4A 1110	2010-11-02 17:15	WATER, 8260 Full List (Burlington)
AOK060451-35	L9NE9	S20 1110	2010-11-02 16:20	WATER, 8260 Full List (Burlington)
AOK060451-36	L9NFC	MW-13 1110	2010-11-02 19:05	WATER, 8260 Full List (Burlington)
AOK060451-37	L9NFD	2D 1110	2010-11-04 16:25	WATER, 8260 Full List (Burlington)
AOK060451-38	L9NFE	S25 1110	2010-11-02 15:25	WATER, 8260 Full List (Burlington)
AOK060451-39	L9NFF	S21 1110	2010-11-02 14:40	WATER, 8260 Full List (Burlington)
AOK060451-40	L9NFG	S26 1110	2010-11-02 13:05	WATER, 8260 Full List (Burlington)

Shipping Method: FED EX

Please use Client Sample ID for report

Call MARK LOEB with questions at 330-497-9396
 at the TAL North Canton Laboratory

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

Relinquished by: [Signature] Date/Time: 11/10/10 1740

Relinquished by: [Signature] Date/Time: _____

Received for lab by: [Signature] Date/Time: 11/11/10 1020

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION



TestAmerica Laboratories, Inc.
SAMPLE ANALYSIS REQUISITION

TestAmerica Burlington
30 Community Drive Suite 11

Laboratory

South Burlington, VT 05403

Client Code: 63159

Sample I.D. AOK060451-41
Work Order Number L9NPFH

Client Sample ID S28 1110

Project Manager: MARK LOEB

Sampling Date 2010-11-02 18:27
Analysis Required WATER, 8260 Full List (Burlington)

Report

Report Package:

Need Analytical Report 2010-11-16

Please use Client Sample ID for report

Call MARK LOEB with questions at 330-497-9396
at the TAL North Canton Laboratory

Shipping Method: FED EX

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

Relinquished by: [Signature] Date/Time: 11/10/10 1740

Relinquished by: [Signature] Date/Time: _____

Received for lab by: [Signature] Date/Time: 11/11/10 1020

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION



MSVOC Lot Summary - AOK060451

CLIENT: 63159 MACTEC Engineering and Consulting Inc SDG:
PROJECT MANAGER: Mark J. Loeb
SITE: SOUTH BEND
LOT COMMENTS:
QC PACKAGE: Report

Date Received: 11/06/10
Data Analysis Due: 11/16/10 N
Date Report Due: 11/20/10
Turnaround Time: 10

(34)
FC=N

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	L9NAV-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	D5 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
	3			10:55			
002-	L9NAX-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	D4 1110 No Specific List MS REQ THIS SAM. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
	9			12:50			
002-D	"	-1AD XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	need n-Heptane & 1-Chlorohexan
002-S	"	-1AC XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	need n-Heptane & 1-Chlorohexan
003-	L9NA1-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	D7 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
	3			14:55			
004-	L9NA5-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	D12 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
				10:45			
005-	L9NA6-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	9D 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
				12:15			
006-	L9NA8-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	D8 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
				12:50			
007-	L9NA9-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	7D 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
				14:10			
008-	L9NCA-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	MW-100 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
009-	L9NCC-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-101 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE!

ph=1

MSVOC Lot Summary - A0K060451

CLIENT: 63159 MACTEC Engineering and Consulting Inc SDG:
PROJECT MANAGER: Mark J. Loeb
SITE: SOUTH BEND
LOT COMMENTS:
QC PACKAGE: Report

Date Received: 11/06/10
Date Analysis Due: 11/16/10 N
Date Report Due: 11/20/10
Turnaround Time: 10

84
FCEN

SAMP#	W/C NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
010-	L9NCD-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	S9 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
011-	L9NCE-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	S15 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
012-	L9NCF-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	S3 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
013-	L9NCH-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	S14 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
014-	L9NCJ-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	7-25 1110 No Specific List MS REQ THIS SAM. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
014-D	"	-1AD XX I 25 QK 01 MS8260LL		11/04/10	11/16/10	N	need n-Heptane & 1-Chlorohexan
014-S	"	-1AC XX I 25 QK 01 MS8260LL		11/04/10	11/16/10	N	need n-Heptane & 1-Chlorohexan
015-	L9NCL-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	7-50 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
016-	L9NCM-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-5 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
017-	L9NCN-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-11 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
018-	L9NCP-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-2 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE!

ph=1

3

Vertical line with tick marks at 014 and 018

9

3



MSVOC Lot Summary - A0K060451

CLIENT: 63159 MACTEC Engineering and Consulting Inc SDG:
PROJECT MANAGER: Mark J. Loeb
SITE: SOUTH BEND
LOT COMMENTS:
QC PACKAGE: Report

Date Received: 11/06/10
Date Analysis Due: 11/16/10 N
Date Report Due: 11/20/10
Turnaround Time: 10

84
FC=N

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
019-	L9NCQ-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-12 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
020-	L9NCR-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-4 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
021-	L9NCV-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-9 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
022-	L9NCW-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-102 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
023-	L9NCX-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-103 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
024-	L9NC1-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	TRIP BLANK No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
025-	L9NEQ-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	TRIP BLANK No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
026-	L9NER-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/18/10	N	MW-104 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
027-	L9NET-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	S17 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan

ph=1

3

2

2

3

3

MSVOC Lot Summary - 40K060451

CLIENT: 63159 MACTEC Engineering and Consulting Inc SDG:
PROJECT MANAGER: Mark J. Loeb
SITE: SOUTH BEND
LOT COMMENTS:
QC PACKAGE: Report

Date Received: 11/06/10
Date Analysis Due: 11/16/10 N
Date Report Due: 11/20/10
Turnaround Time: 10

84
FD-N

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
028-	L9NEW-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	86-10 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
029-	L9NEX-1AA	XX I 25 QK 01 MS8260LL		11/03/10	11/17/10	N	86-15 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
030-	L9NE0-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	524 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
031-	L9NE1-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	527 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
032-	L9NE3-1AA	XX I 25 QK 01 MS8260LL		11/01/10	11/15/10	N	MW-7 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
033-	L9NE7-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S16 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
034-	L9NE8-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S4A 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
035-	L9NE9-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S20 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
036-	L9NFC-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	MW-13 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan

3

ph=1

MSVOC Lot Summary - A0K050451

CLIENT: 63159 MACTEC Engineering and Consulting Inc SDG:
PROJECT MANAGER: Mark J. Loeb
SITE: SOUTH BEND
LOT COMMENTS:
QC PACKAGE: Report

Date Received: 11/05/10
Date Analysis Due: 11/16/10 N
Date Report Due: 11/20/10
Turnaround Time: 10

(84)
FCEN

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
037-	L9NFD-1AA	XX I 25 QK 01 MS8260LL		11/04/10	11/16/10	N	2D 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
038-	L9NFE-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S25 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
039-	L9NFF-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S21 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
040-	L9NFG-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S26 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan
041-	L9NFH-1AA	XX I 25 QK 01 MS8260LL		11/02/10	11/16/10	N	S28 1110 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan

3

ph=1

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 200-2452-1

Login Number: 2452

List Source: TestAmerica Burlington

Creator: Marion, Greg T

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	799318, 319, 320, 317, 316, 325
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	All samples received in cooler at 9.5°C are for geotechnical analysis only.
Cooler Temperature is recorded.	True	1.6, 0.5, 9.5°C IR gun ID 96/ CF= -1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	SEE NCM
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	



North Canton
 4101 Shuffel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Company: MACTEC Engineering and Consulting, Inc. Address: 41 Hughes Drive City/State/Zip: Traverse City, Michigan 49686 (231) 922-9050 Phone (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310090039.6100.1 Site: South Bend P O #: 5133286	Project Manager: Steve Murray Tel/Fax: (231) 922-9050 Calendar (C) or Work-Days (W) Analysis Turnaround Time TAT if different from Below 2 weeks 1 week 2 days 1 day	Site Contact: James Staley Lab Contact: Mark Loeb Date: 11/5/10 Carrier: FSD/SX	COC No.: 1 of 5 COCs Job No. SDG No.
-----------------------	---	---	---	---

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Analysis
D5 IID	11/2/10	10:55	Water	W	3	X
D4 IID	11/2/10	12:50	Water	W	3	X
D7 IID	11/2/10	14:55	Water	W	3	X
D4 IID MS/MSD	11/3/10	12:50	Water	W	6	X
D12 IID	11/3/10	10:45	Water	W	3	X
9D IID	11/3/10	12:15	Water	W	3	X
D8 IID	11/3/10	12:50	Water	W	3	X
7D IID	11/3/10	14:10	Water	W	3	X
MW-1DD IID	11/3/10		Water	W	3	X
MW-1D1 IID	11/4/10		Water	W	3	X
S9 IID	11/3/10	16:10	Water	W	3	X
S15 IID	11/3/10	16:30	Water	W	3	X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other
 Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements & Comments:
 Analyze for all Priority Parameters (see Manual) — BRS

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
BO WLO	MACTEC	11/5/10	JLW	TA M	11/6/10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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 North Canton, OH 44720
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Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Steve Murray		Site Contact: James Staley		Date: 11/5/10		COC No: 2 of 5 COCs	
Company: MACTEC Engineering and Consulting, Inc.		Tel/Fax: (231) 922-9050		Lab Contact: Mark Loeb		Carrier: FGD EX		Job No.	
Address: 41 Hughes Drive		City/State/Zip: Traverse City, Michigan 49686		Calendar (C) or Work Days (W)		SDG No.		Sample Specific Notes:	
(231) 922-9050 Phone		(231) 922-9055 FAX		<input type="checkbox"/> 1 day <input type="checkbox"/> 2 days <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> TAR if different from Below					
Project Name: Honeywell South Bend - 3310090039.6100.1		Site: South Bend		P O #: 5133286					
Sample Identification			Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	VOCs - 8260 B Dissolved Metals (As, Cr, Pb, Ni) - 6020 B T. Phenols - 420.1 T. Cyanide - 9012 A	
S3 11D			11/4/10	7:56	water	W	3	X	
S14 11D			11/4/10	8:35	water	W	3	X	
7-25 11D			11/4/10	10:00	water	W	3	X	
7-25 11D	MSPMSD		11/4/10	10:00	water	W	6	X	
7-5D 11D			11/4/10	11:10	water	W	3	X	
MW-5 11D			11/4/10	11:55	water	W	3	X	
MW-11 11D			11/4/10	12:32	water	W	3	X	
MW-2 11D			11/4/10	13:01	water	W	3	X	
MW-12 11D			11/4/10	13:29	water	W	3	X	
MW-4 11D			11/4/10	14:01	water	W	3	X	
MW-9 11D			11/4/10	14:33	water	W	3	X	
MW-102 11D			11/4/10		water	W	3	X	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other
 Possible Hazard Identification: Flammable Skin Irritant Poison B Unknown
 Special Instructions/QC Requirements & Comments: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For _____ Months

ANALYSIS FOR AIR PRIORITY PATIENTS (LAST NOVEMBER) - JRS

Relinquished by: <i>Bob Cold</i>	Company: MACTEC	Date/Time: 11/5/10	Received by: <i>DL McNeil</i>	Company: <i>TKM</i>	Date/Time: 11/6/10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

North Canton
 4101 Shuffel Street, N. W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact Company: MACTEC Engineering and Consulting, Inc. Address: 41 Hughes Drive City/State/Zip: Tawassee City, Michigan 49686 (231) 922-9050 Phone (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310102011.6100.1 Site: South Bend P O #: 5133286		Project Manager: Steve Murray Tel/Fax: (231) 922-9050 Analysis Turnaround Time Calendar (C) or Work Days (W) <input checked="" type="checkbox"/> TAT if different from Below <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: James Staley Lab Contact: Mark Loeb Date: 11/5/10 Carrier: FED EX VOCs - 8260 B Dissolved Metals (As, Cr, Pb, Ni) - 6020 T. Phenols - 420.1 T. Cyanide - 9012 A		COC No: _____ of _____ COCs Job No. _____ SDG No. _____	
Sample Identification			Sample Date	Sample Time	Sample Type	Matrix	# of Cont.
TEP BANK			11-4-10	--	GRAB	H2O	2
MWS-104 1110			11-3-10	1200	GRAB	H2O	3
S17 1110			11-3-10	1104	GRAB	H2O	3
S6-10 1110			11-3-10	1028	GRAB	H2O	3
S24 1110			11-2-10	1205	GRAB	H2O	3
S27 1110			11-2-10	1130	GRAB	H2O	3
MWS-7 1110			11-1-10	1755	GRAB	H2O	3
S16 1110			11-2-10	1753	GRAB	H2O	3
S4A 1110			11-2-10	1715	GRAB	H2O	3
S20 1110			11-2-10	1620	GRAB	H2O	3
MWS-13 1110			11-2-10	1905	GRAB	H2O	3
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>							
Special Instructions/QC Requirements & Comments: ANALYZES FOR ALL PRIORITY POTENTIALS (LIST INCURRED) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Relinquished by: BOCCIA		Company: MACTEC		Date/Time: 11/5/10		Received by: [Signature]	
Relinquished by: [Signature]		Company: TA NC		Date/Time: 11/10/10		Received by: [Signature]	

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Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Steve Murray		Site Contact: James Staley		Date: 11/5/10		COC No. 2 of 2 COCs	
Company: MACTEC Engineering and Consulting, Inc.		Tel/Fax: (231) 922-9050		Lab Contact: Mark Loeb		Carrier: F&T		Job No.	
Address: 41 Hughes Drive		City/State/Zip: Traverse City, Michigan 49686		Calendar (C) or Work Days (W)		TAT if different from Below		SDG No.	
(231) 922-9050 Phone		(231) 922-9055 FAX		2 weeks		1 week			
Project Name: Honeywell South Bend - 3310102011.6100.1		Site: South Bend		2 days		1 day			
P O #: 5133286									
Sample Identification				Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample
2D	1110	11-4-10	1625	GRAB	H2O	3	N	X	VOCs - 8260 B
S25	1110	11-2-10	1525	GRAB	H2O	3	N	X	Dissolved Metals (As, Cr, Pb, Ni) - 6020
S21	1110	11-2-10	1440	GRAB	H2O	3	N	X	T. Phenols - 420.1
S26	1110	11-2-10	1305	GRAB	H2O	3	N	X	T. Cyanide - 9012 A
S28	1110	11-2-10	1827	GRAB	H2O	3	N	X	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>									
Special Instructions/OC Requirements & Comments: ANALYZE FOR ALL PRIORITY PALLIATIVES FIRST INCURRED 585									
Relinquished by: <i>B. W. D. L.</i>		Company: MACTEC		Date/Time: 11/5/10		Received by: <i>AL W. L.</i>		Company: <i>EA NC</i>	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AOK660451

North Canton Facility

Client Mastec Project South Bay By: [Signature]

Cooler Received on 11/6/10 Opened on 11/6/10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
 If YES, Quantity 4 Quantity Unsalvageable _____
 Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
 Were custody seals on the bottle(s)? Yes No
 If YES, are there any exceptions? _____
 2. Shippers' packing slip attached to the cooler(s)? Yes No
 3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
 4. Were the custody papers signed in the appropriate place? Yes No
 5. Packing material used: Bubble Wrap Foam None Other _____
 6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps
 METHOD: IR Other
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 7. Did all bottles arrive in good condition (Unbroken)? Yes No
 8. Could all bottle labels be reconciled with the COC? Yes No
 9. Were sample(s) at the correct pH upon receipt? Yes No NA
 10. Were correct bottle(s) used for the test(s) indicated? Yes No
 11. Were air bubbles >6 mm in any VOA vials? Yes No NA
 12. Sufficient quantity received to perform indicated analyses? Yes No
 13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No
- Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

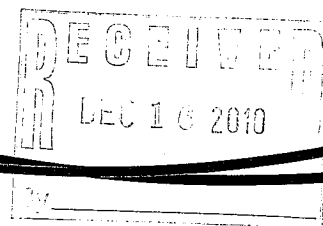
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 051010-HNO₃; Sulfuric Acid Lot# 051010-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

END OF REPORT



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310102011.6100

HONEYWELL SOUTH BEND

Lot #: AOK050414

Steven Murray

Mactec Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

Approved for release.
Mark J. Loeb
Project Manager II
11/29/2010 2:55 PM

November 29, 2010

COPIES (1)
10/29/2010 TestAmerica AL/fochu



CASE NARRATIVE

A0K050414

The following report contains the analytical results for two water samples submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the HONEYWELL SOUTH BEND Site, project number 3310102011.6100. The samples were received November 05, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on November 24, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 0.4 and 2.8°C.

GC/MS VOLATILES

The matrix spike(s) for batch(es) 0315405 had recoveries outside acceptance limits. However, since the associated laboratory control sample(s) were in control, no corrective action was necessary.

There were no client requested Matrix Spike (MS) samples in batch(es) 0318043.

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike (MS) samples in batch(es) 0313041.

The internal standard areas were outside acceptance limits for sample(s) EW-2 1110 and E3A 1110 due to matrix effects. (Refer to IS report following this Case Narrative for additional detail.)

PESTICIDES-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0311080.

Sample(s) E3A 1110 had elevated reporting limits due to matrix interference that routine clean-up techniques could not remove.

PCB-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0311081.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

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Data File: \\cansvr11\dd\chem\MSS\a4hp10.i\01111a.b\L9K631AU.D Page 4

Report Date: 12-Nov-2010 12:47

TestAmerica North Canton

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: a4hp10.i Calibration Date: 11-NOV-2010
Lab File ID: L9K631AU.D Calibration Time: 09:52
Lab Smp Id: 19k631au Client Smp ID: EW-2 1110
Analysis Type: SV Level: LOW
Quant Type: ISTD Sample Type: WATER
Operator: 001710
Method File: \\cansvr11\dd\chem\MSS\a4hp10.i\01111a.b\8270C-625.m
Misc Info:

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	164927	82464	329854	89024	-46.02
2 Naphthalene-d8	575180	287590	1150360	275690	-52.07 <-
3 Acenaphthene-d10	340937	170469	681874	169796	-50.20 <-
4 Phenanthrene-d10	578196	289098	1156392	305542	-47.16
5 Chrysene-d12	628955	314478	1257910	305072	-51.50 <-
6 Perylene-d12	590887	295444	1181774	258116	-56.32 <-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.31	2.81	3.81	3.31	0.00
2 Naphthalene-d8	4.19	3.69	4.69	4.20	0.13
3 Acenaphthene-d10	5.46	4.96	5.96	5.46	0.10
4 Phenanthrene-d10	6.53	6.03	7.03	6.54	0.17
5 Chrysene-d12	8.48	7.98	8.98	8.50	0.13
6 Perylene-d12	9.74	9.24	10.24	9.78	0.44

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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Data File: \\cansvr11\dd\chem\MSS\a4hp9.i\01119a.b\L9K631AV.D Page 3

Report Date: 19-Nov-2010 22:10

TestAmerica North Canton

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: a4hp9.i Calibration Date: 19-NOV-2010
Lab File ID: L9K631AV.D Calibration Time: 08:22
Lab Smp Id: l9k631av Client Smp ID: EW-2 1110
Analysis Type: SV Level: LOW
Quant Type: ISTD Sample Type: WATER
Operator: 001574
Method File: \\cansvr11\dd\chem\MSS\a4hp9.i\01119a.b\8270c-625.m
Misc Info:

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF	
		LOWER	UPPER			
1 1,4-Dichlorobenze	129058	64529	258116	0	-100.00	<-
2 Naphthalene-d8	522578	261289	1045156	0	-100.00	<-
3 Acenaphthene-d10	306515	153258	613030	0	-100.00	<-
4 Phenanthrene-d10	499949	249975	999898	0	-100.00	<-
5 Chrysene-d12	530217	265109	1060434	0	-100.00	<-
6 Perylene-d12	460112	230056	920224	0	-100.00	<-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF	
		LOWER	UPPER			
1 1,4-Dichlorobenze	3.73	3.23	4.23	0.00	-100.00	<-
2 Naphthalene-d8	4.69	4.19	5.19	0.00	-100.00	<-
3 Acenaphthene-d10	5.99	5.49	6.49	0.00	-100.00	<-
4 Phenanthrene-d10	7.07	6.57	7.57	0.00	-100.00	<-
5 Chrysene-d12	9.02	8.52	9.52	0.00	-100.00	<-
6 Perylene-d12	10.33	9.83	10.83	0.00	-100.00	<-

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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Data File: \\cansvr11\dd\chem\MSS\a4hp10.i\01111a.b\L9K681A1.D Page 4

Report Date: 12-Nov-2010 12:47

TestAmerica North Canton

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: a4hp10.i Calibration Date: 11-NOV-2010
Lab File ID: L9K681A1.D Calibration Time: 09:52
Lab Smp Id: l9k681a1 Client Smp ID: E3A 1110
Analysis Type: SV Level: LOW
Quant Type: ISTD Sample Type: WATER
Operator: 001710
Method File: \\cansvr11\dd\chem\MSS\a4hp10.i\01111a.b\8270C-625.m
Misc Info:

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	164927	82464	329854	234763	42.34
2 Naphthalene-d8	575180	287590	1150360	1045730	81.81
3 Acenaphthene-d10	340937	170469	681874	698400	104.85 <-
4 Phenanthrene-d10	578196	289098	1156392	1213538	109.88 <-
5 Chrysene-d12	628955	314478	1257910	1167346	85.60
6 Perylene-d12	590887	295444	1181774	1014315	71.66

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.31	2.81	3.81	3.31	0.00
2 Naphthalene-d8	4.19	3.69	4.69	4.20	0.13
3 Acenaphthene-d10	5.46	4.96	5.96	5.46	0.10
4 Phenanthrene-d10	6.53	6.03	7.03	6.54	0.17
5 Chrysene-d12	8.48	7.98	8.98	8.50	0.19
6 Perylene-d12	9.74	9.24	10.24	9.79	0.50

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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Data File: \\cansvr11\dd\chem\MSS\a4hp9.i\01119a.b\L9K681A2.D Page 3

Report Date: 19-Nov-2010 22:25

TestAmerica North Canton

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: a4hp9.i Calibration Date: 19-NOV-2010
Lab File ID: L9K681A2.D Calibration Time: 08:22
Lab Smp Id: 19k681a2 Client Smp ID: E3A 1110
Analysis Type: SV Level: LOW
Quant Type: ISTD Sample Type: WATER
Operator: 001574
Method File: \\cansvr11\dd\chem\MSS\a4hp9.i\01119a.b\8270c-625.m
Misc Info:

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF	
		LOWER	UPPER			
1 1,4-Dichlorobenze	129058	64529	258116	0	-100.00	<-
2 Naphthalene-d8	522578	261289	1045156	0	-100.00	<-
3 Acenaphthene-d10	306515	153258	613030	0	-100.00	<-
4 Phenanthrene-d10	499949	249975	999898	0	-100.00	<-
5 Chrysene-d12	530217	265109	1060434	0	-100.00	<-
6 Perylene-d12	460112	230056	920224	0	-100.00	<-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF	
		LOWER	UPPER			
1 1,4-Dichlorobenze	3.73	3.23	4.23	0.00	-100.00	<-
2 Naphthalene-d8	4.69	4.19	5.19	0.00	-100.00	<-
3 Acenaphthene-d10	5.99	5.49	6.49	0.00	-100.00	<-
4 Phenanthrene-d10	7.07	6.57	7.57	0.00	-100.00	<-
5 Chrysene-d12	9.02	8.52	9.52	0.00	-100.00	<-
6 Perylene-d12	10.33	9.83	10.83	0.00	-100.00	<-

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

EXECUTIVE SUMMARY - Detection Highlights

AOK050414

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EW-2 1110 11/04/10 19:00 001				
Copper	11.2	2.0	ug/L	MCAWW 200.8
Nickel	2.3	2.0	ug/L	MCAWW 200.8
Lead	3.9	1.0	ug/L	MCAWW 200.8
Zinc	43.9	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	110	2.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	9.4	2.0	ug/L	CFR136A 624
1,1-Dichloroethane	29	2.0	ug/L	CFR136A 624
1,1-Dichloroethene	5.3	2.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	120	4.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	21	2.0	ug/L	CFR136A 624
Trichloroethene	75	2.0	ug/L	CFR136A 624
Vinyl chloride	6.2	2.0	ug/L	CFR136A 624
Total Cyanide	0.038	0.010	mg/L	SM18 4500-CN E
Nitrogen, as Ammonia	0.4	0.2	mg/L	SM18 4500NH3-F
E3A 1110 11/04/10 18:10 002				
Nickel	19.0	2.0	ug/L	MCAWW 200.8
Lead	6.5	1.0	ug/L	MCAWW 200.8
Zinc	171	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	5.3	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	1.2	1.0	ug/L	CFR136A 624
Benzene	1.9	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	5.8	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	6.5	2.0	ug/L	CFR136A 624
Vinyl chloride	9.8	1.0	ug/L	CFR136A 624
Total Cyanide	0.019	0.010	mg/L	SM18 4500-CN E
Biochemical Oxygen Demand (BOD)	6	2	mg/L	SM18 5210 B
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F

ANALYTICAL METHODS SUMMARY

AOK050414

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids	CFR136A 625
Biochemical Oxygen Demand	SM18 5210 B
Dioxin Screen, Selective Ion Monitoring	CFR136A 625 SIM
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A SGT HEM
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Organochlorine Pesticides and PCBs	CFR136A 608
Purgeables	CFR136A 624
Total cyanide	SM18 4500-CN E
Total phosphorus	SM18 4500-P E
Total Suspended Solids	SM18 2540 D

References:

- CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

A0K050414

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L9K63	001	EW-2 1110	11/04/10	19:00
L9K68	002	E3A 1110	11/04/10	18:10

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

GC/MS Volatiles

Lot-Sample #....: AOK050414-001 Work Order #....: L9K631AT Matrix.....: WG
 Date Sampled....: 11/04/10 19:00 Date Received...: 11/05/10
 Prep Date.....: 11/14/10 Analysis Date...: 11/14/10
 Prep Batch #....: 0318043
 Dilution Factor: 2 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	110	2.0	ug/L
trans-1,2-Dichloroethene	9.4	2.0	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Benzene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Dichlorobromomethane	ND	2.0	ug/L
1,1-Dichloroethane	29	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	5.3	2.0	ug/L
1,2-Dichloroethene (total)	120	4.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	21	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	75	2.0	ug/L
Vinyl chloride	6.2	2.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
1,2-Dichloroethane-d4	102	(80 - 125)	
Toluene-d8	101	(84 - 110)	
Bromofluorobenzene	97	(81 - 112)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK050414-001 Work Order #....: L9K631AU Matrix.....: WG
 Date Sampled...: 11/04/10 19:00 Date Received...: 11/05/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K050414-001 Work Order #....: L9K631AU Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	31	(10 - 135)
Phenol-d5	17	(10 - 132)
2,4,6-Tribromophenol	53	(10 - 142)
2-Fluorobiphenyl	48	(38 - 110)
Terphenyl-d14	76	(24 - 135)
Nitrobenzene-d5	50	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

GC/MS Semivolatiles

Lot-Sample #....: A0K050414-001 Work Order #....: L9K631AV Matrix.....: WG
Date Sampled...: 11/04/10 19:00 Date Received...: 11/05/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S) :

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

GC Semivolatiles

Lot-Sample #...: AOK050414-001 Work Order #...: L9K631AQ Matrix.....: WG
 Date Sampled...: 11/04/10 19:00 Date Received...: 11/05/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #...: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	84	(15 - 131)
Decachlorobiphenyl	65	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

GC Semivolatiles

Lot-Sample #....: AOK050414-001 Work Order #....: L9K631AR Matrix.....: WG
 Date Sampled....: 11/04/10 19:00 Date Received...: 11/05/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	65	(10 - 151)	
Decachlorobiphenyl	70	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-2 1110

TOTAL Metals

Lot-Sample #....: AOK050414-001

Matrix.....: WG

Date Sampled....: 11/04/10 19:00 Date Received...: 11/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AE
		Dilution Factor: 1				
Copper	11.2	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9K631AP
		Dilution Factor: 1				
Nickel	2.3	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AG
		Dilution Factor: 1				
Lead	3.9	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AN
		Dilution Factor: 1				
Zinc	43.9	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K631AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

GC/MS Volatiles

Lot-Sample #....: AOK050414-002 Work Order #....: L9K681A0 Matrix.....: WG
 Date Sampled....: 11/04/10 18:10 Date Received...: 11/05/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/09/10
 Prep Batch #....: 0315405
 Dilution Factor: 1 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	5.3	1.0	ug/L
trans-1,2-Dichloroethene	1.2	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	1.9	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	5.8	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	6.5	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	9.8	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	100	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	95	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

GC/MS Semivolatiles

Lot-Sample #...: AOK050414-002 Work Order #...: L9K681A1 Matrix.....: WG
 Date Sampled...: 11/04/10 18:10 Date Received...: 11/05/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #...: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K050414-002 Work Order #...: L9K681A1 Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno (1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	38	(10 - 135)
Phenol-d5	27	(10 - 132)
2,4,6-Tribromophenol	75	(10 - 142)
2-Fluorobiphenyl	56	(38 - 110)
Terphenyl-d14	85	(24 - 135)
Nitrobenzene-d5	54	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK050414-002 Work Order #....: L9K681A2 Matrix.....: WG
Date Sampled....: 11/04/10 18:10 Date Received...: 11/05/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S):

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

GC Semivolatiles

Lot-Sample #...: A0K050414-002 Work Order #...: L9K681AW Matrix.....: WG
 Date Sampled...: 11/04/10 18:10 Date Received...: 11/05/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/12/10
 Prep Batch #...: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	59	(15 - 131)
Decachlorobiphenyl	43	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

GC Semivolatiles

Lot-Sample #...: A0K050414-002 Work Order #...: L9K681AX Matrix.....: WG
 Date Sampled...: 11/04/10 18:10 Date Received...: 11/05/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/16/10
 Prep Batch #...: 0311080
 Dilution Factor: 20 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	1.0	ug/L
alpha-BHC	ND	1.0	ug/L
beta-BHC	ND	1.0	ug/L
delta-BHC	ND	1.0	ug/L
gamma-BHC (Lindane)	ND	1.0	ug/L
Chlordane (technical)	ND	10	ug/L
4,4'-DDD	ND	1.0	ug/L
4,4'-DDE	ND	1.0	ug/L
4,4'-DDT	ND	1.0	ug/L
Dieldrin	ND	1.0	ug/L
Endosulfan I	ND	1.0	ug/L
Endosulfan II	ND	1.0	ug/L
Endosulfan sulfate	ND	1.0	ug/L
Endrin	ND	1.0	ug/L
Endrin aldehyde	ND	1.0	ug/L
Heptachlor	ND	1.0	ug/L
Heptachlor epoxide	ND	1.0	ug/L
Toxaphene	ND	40	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	172 DIL, *	(10 - 151)
Decachlorobiphenyl	83 DIL	(10 - 151)

NOTE (S) :

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

TOTAL Metals

Lot-Sample #....: AOK050414-002

Matrix.....: WG

Date Sampled...: 11/04/10 18:10 Date Received...: 11/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AG
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AH
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AQ
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AJ
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AK
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AL
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9K681AV
		Dilution Factor: 1				
Nickel	19.0	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AM
		Dilution Factor: 1				
Lead	6.5	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AN
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AR
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AT
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AU
		Dilution Factor: 1				
Zinc	171	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9K681AP
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: E3A 1110

General Chemistry

Lot-Sample #....: A0K050414-002 Work Order #....: L9K68 Matrix.....: WG
 Date Sampled....: 11/04/10 18:10 Date Received...: 11/05/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/12/10	0316175
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/12/10	0316173
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	6	2	mg/L	SM18 5210 B	11/05-11/10/10	0309361
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F	11/10/10	0314205
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/10/10	0314203
		Dilution Factor: 1				
Total Cyanide	0.019	0.010	mg/L	SM18 4500-CN E	11/11/10	0315285
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	11/08/10	0312056
		Dilution Factor: 1				

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0K050414 Work Order #...: L9XKT1AA Matrix.....: WATER
 MB Lot-Sample #: A0K110000-405
 Prep Date.....: 11/08/10
 Analysis Date...: 11/08/10 Prep Batch #...: 0315405
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	98	(80 - 125)
Toluene-d8	99	(84 - 110)
Bromofluorobenzene	94	(81 - 112)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: AOK050414
 MB Lot-Sample #: AOK140000-043

Work Order #...: L92NX1AA

Matrix.....: WATER

Analysis Date...: 11/13/10
 Dilution Factor: 1

Prep Date.....: 11/13/10

Prep Batch #...: 0318043

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	100	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	99	(81 - 112)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK050414
 MB Lot-Sample #: AOK090000-041

Work Order #...: L9P5H1AA

Matrix.....: WATER

Analysis Date...: 11/11/10
 Dilution Factor: 1

Prep Date.....: 11/09/10

Prep Batch #...: 0313041

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	10	ug/L	CFR136A 625
m-Cresol	ND	10	ug/L	CFR136A 625
p-Cresol	ND	10	ug/L	CFR136A 625
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)- ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	10	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK050414

Work Order #...: L9P5H1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta- diene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	10	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro- benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro- phenol	ND	10	ug/L	CFR136A 625

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	44	(10 - 135)
Phenol-d5	32	(10 - 132)
2,4,6-Tribromophenol	61	(10 - 142)
2-Fluorobiphenyl	61	(38 - 110)
Terphenyl-d14	95	(24 - 135)
Nitrobenzene-d5	64	(44 - 110)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A0K050414
MB Lot-Sample #: A0K090000-042

Work Order #....: L9P5J1AA
Prep Date.....: 11/09/10
Prep Batch #....: 0313042

Matrix.....: WATER

Analysis Date...: 11/19/10
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units	CFR136A 625 SIM

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NEG Negative

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: AOK050414 Work Order #...: L9NPC1AA Matrix.....: WATER
 MB Lot-Sample #: AOK070000-080
 Analysis Date...: 11/11/10 Prep Date.....: 11/08/10
 Dilution Factor: 1 Prep Batch #...: 0311080

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.050	ug/L	CFR136A 608
4,4'-DDE	ND	0.050	ug/L	CFR136A 608
4,4'-DDT	ND	0.050	ug/L	CFR136A 608
Dieldrin	ND	0.050	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.050	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.050	ug/L	CFR136A 608
Endrin	ND	0.050	ug/L	CFR136A 608
Endrin aldehyde	ND	0.050	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	2.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	84	(10 - 151)
Decachlorobiphenyl	90	(10 - 151)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0K050414 Work Order #...: L9NPD1AA Matrix.....: WATER
 MB Lot-Sample #: A0K070000-081
 Analysis Date...: 11/10/10 Prep Date.....: 11/08/10
 Dilution Factor: 1 Prep Batch #...: 0311081

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	1.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	97	(15 - 131)
Decachlorobiphenyl	52	(10 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: AOK050414

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: AOK080000-017 Prep Batch #...: 0312017						
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CQ
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CG
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CP
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CH
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CJ
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CK
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CM
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NP21CU
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CR
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CF
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CT
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CN
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0K050414

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	PREP
		LIMIT	UNITS		ANALYSIS DATE	BATCH #
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/12/10	0316173
		Dilution Factor: 1				
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/12/10	0316175
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/05-11/10/10	0309361
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	11/10/10	0314205
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/10/10	0314203
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	11/11/10	0315285
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	11/08/10	0312056
		Dilution Factor: 1				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: AOK050414 Work Order #...: L9XKT1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK110000-405
 Prep Date.....: 11/08/10 Analysis Date...: 11/08/10
 Prep Batch #...: 0315405
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	116	(54 - 156)	CFR136A 624
Benzene	106	(37 - 151)	CFR136A 624
Bromoform	92	(45 - 169)	CFR136A 624
Bromomethane	97	(10 - 242)	CFR136A 624
Carbon tetrachloride	115	(70 - 140)	CFR136A 624
Chlorobenzene	98	(37 - 160)	CFR136A 624
Chlorodibromomethane	106	(53 - 149)	CFR136A 624
Chloroethane	111	(14 - 230)	CFR136A 624
Chloroform	108	(51 - 138)	CFR136A 624
Chloromethane	91	(10 - 273)	CFR136A 624
Dichlorobromomethane	110	(35 - 155)	CFR136A 624
1,1-Dichloroethane	110	(59 - 155)	CFR136A 624
1,2-Dichloroethane	100	(49 - 155)	CFR136A 624
1,1-Dichloroethene	126	(10 - 234)	CFR136A 624
1,2-Dichloropropane	103	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	104	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	111	(17 - 183)	CFR136A 624
Ethylbenzene	103	(37 - 162)	CFR136A 624
Methylene chloride	114	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	96	(46 - 157)	CFR136A 624
Tetrachloroethene	106	(64 - 148)	CFR136A 624
Toluene	106	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	122	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	103	(52 - 150)	CFR136A 624
Trichloroethene	108	(71 - 157)	CFR136A 624
Vinyl chloride	108	(10 - 251)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	97	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	98	(81 - 112)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: AOK050414 Work Order #...: L9XKT1AC Matrix.....: WATER
LCS Lot-Sample#: AOK110000-405

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A0K050414 Work Order #....: L92NX1AC Matrix.....: WATER
 LCS Lot-Sample#: A0K140000-043
 Prep Date.....: 11/13/10 Analysis Date...: 11/13/10
 Prep Batch #....: 0318043
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	112	(54 - 156)	CFR136A 624
Benzene	105	(37 - 151)	CFR136A 624
Bromoform	113	(45 - 169)	CFR136A 624
Bromomethane	129	(10 - 242)	CFR136A 624
Carbon tetrachloride	124	(70 - 140)	CFR136A 624
Chlorobenzene	106	(37 - 160)	CFR136A 624
Chlorodibromomethane	115	(53 - 149)	CFR136A 624
Chloroethane	115	(14 - 230)	CFR136A 624
Chloroform	108	(51 - 138)	CFR136A 624
Chloromethane	110	(10 - 273)	CFR136A 624
Dichlorobromomethane	112	(35 - 155)	CFR136A 624
1,1-Dichloroethane	108	(59 - 155)	CFR136A 624
1,2-Dichloroethane	107	(49 - 155)	CFR136A 624
1,1-Dichloroethene	122	(10 - 234)	CFR136A 624
1,2-Dichloropropane	108	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	112	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	121	(17 - 183)	CFR136A 624
Ethylbenzene	109	(37 - 162)	CFR136A 624
Methylene chloride	101	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	102	(46 - 157)	CFR136A 624
Tetrachloroethene	109	(64 - 148)	CFR136A 624
Toluene	105	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	115	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	108	(52 - 150)	CFR136A 624
Trichloroethene	106	(71 - 157)	CFR136A 624
Vinyl chloride	121	(10 - 251)	CFR136A 624

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
1,2-Dichloroethane-d4	106	(80 - 125)
Toluene-d8	107	(84 - 110)
Bromofluorobenzene	107	(81 - 112)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0K050414 Work Order #...: L92NX1AC Matrix.....: WATER
LCS Lot-Sample#: A0K140000-043

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: AOK050414 Work Order #...: L9P5H1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK090000-041
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #...: 0313041
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
Acenaphthene	84	(54 - 110)	CFR136A 625
Acenaphthylene	85	(52 - 110)	CFR136A 625
Anthracene	87	(54 - 110)	CFR136A 625
Benzo (a) anthracene	86	(48 - 112)	CFR136A 625
Benzo (a) pyrene	79	(51 - 111)	CFR136A 625
Benzo (b) fluoranthene	91	(55 - 110)	CFR136A 625
Benzo (ghi) perylene	94	(45 - 113)	CFR136A 625
Benzo (k) fluoranthene	83	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl ether	87	(56 - 110)	CFR136A 625
Butyl benzyl phthalate	90	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy) methane	86	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	88	(63 - 115)	CFR136A 625
bis(2-Chloroisopropyl) ether	90	(55 - 120)	CFR136A 625
p-Chloro-m-cresol	86	(58 - 110)	CFR136A 625
2-Chloronaphthalene	82	(50 - 110)	CFR136A 625
2-Chlorophenol	82	(60 - 110)	CFR136A 625
4-Chlorophenyl phenyl ether	87	(57 - 110)	CFR136A 625
Chrysene	84	(53 - 118)	CFR136A 625
Dibenz (a, h) anthracene	90	(51 - 114)	CFR136A 625
Di-n-butyl phthalate	92	(49 - 110)	CFR136A 625
1,2-Dichlorobenzene	77	(38 - 110)	CFR136A 625
1,3-Dichlorobenzene	73	(33 - 110)	CFR136A 625
1,4-Dichlorobenzene	78	(35 - 110)	CFR136A 625
3,3'-Dichlorobenzidine	60	(19 - 110)	CFR136A 625
2,4-Dichlorophenol	85	(63 - 110)	CFR136A 625
Diethyl phthalate	88	(10 - 117)	CFR136A 625
2,4-Dimethylphenol	77	(10 - 115)	CFR136A 625
Dimethyl phthalate	81	(10 - 115)	CFR136A 625
4,6-Dinitro- 2-methylphenol	86	(10 - 138)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: AOK050414 Work Order #...: L9P5H1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK090000-041

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,4-Dinitrophenol	80	(10 - 135)	CFR136A 625
2,4-Dinitrotoluene	95	(55 - 112)	CFR136A 625
2,6-Dinitrotoluene	92	(63 - 117)	CFR136A 625
Di-n-octyl phthalate	88	(51 - 135)	CFR136A 625
bis(2-Ethylhexyl) phthalate	93	(50 - 134)	CFR136A 625
Fluoranthene	92	(55 - 112)	CFR136A 625
Fluorene	86	(55 - 110)	CFR136A 625
Hexachlorobenzene	86	(53 - 113)	CFR136A 625
Hexachlorobutadiene	70	(31 - 110)	CFR136A 625
Hexachloroethane	69	(26 - 110)	CFR136A 625
Indeno(1,2,3-cd)pyrene	92	(43 - 118)	CFR136A 625
Isophorone	85	(58 - 110)	CFR136A 625
Naphthalene	78	(48 - 111)	CFR136A 625
Nitrobenzene	84	(64 - 110)	CFR136A 625
2-Nitrophenol	88	(50 - 118)	CFR136A 625
4-Nitrophenol	48	(10 - 132)	CFR136A 625
N-Nitrosodi-n-propyl- amine	89	(57 - 110)	CFR136A 625
Pentachlorophenol	76	(10 - 131)	CFR136A 625
Phenanthrene	82	(54 - 110)	CFR136A 625
Phenol	43	(17 - 130)	CFR136A 625
Pyrene	84	(48 - 122)	CFR136A 625
1,2,4-Trichloro- benzene	72	(42 - 112)	CFR136A 625
2,4,6-Trichloro- phenol	84	(54 - 110)	CFR136A 625

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	63	(10 - 135)
Phenol-d5	43	(10 - 132)
2,4,6-Tribromophenol	93	(10 - 142)
2-Fluorobiphenyl	83	(38 - 110)
Terphenyl-d14	104	(24 - 135)
Nitrobenzene-d5	84	(44 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: AOK050414 Work Order #...: L9P5H1AC Matrix.....: WATER
LCS Lot-Sample#: AOK090000-041

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: AOK050414 Work Order #....: L9NPC1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK070000-080
 Prep Date.....: 11/08/10 Analysis Date...: 11/12/10
 Prep Batch #....: 0311080
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aldrin	83	(42 - 122)	CFR136A 608
alpha-BHC	88	(37 - 134)	CFR136A 608
beta-BHC	92	(17 - 147)	CFR136A 608
delta-BHC	89	(19 - 140)	CFR136A 608
gamma-BHC (Lindane)	93	(32 - 127)	CFR136A 608
4,4'-DDD	99	(31 - 141)	CFR136A 608
4,4'-DDE	83	(30 - 145)	CFR136A 608
4,4'-DDT	96	(25 - 160)	CFR136A 608
Dieldrin	86	(36 - 146)	CFR136A 608
Endosulfan I	53	(45 - 153)	CFR136A 608
Endosulfan II	59	(10 - 202)	CFR136A 608
Endosulfan sulfate	92	(26 - 144)	CFR136A 608
Endrin	83	(30 - 147)	CFR136A 608
Heptachlor	95	(34 - 111)	CFR136A 608
Heptachlor epoxide	86	(37 - 142)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	90	(10 - 151)
Decachlorobiphenyl	39	(10 - 151)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: AOK050414 Work Order #...: L9NPD1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK070000-081
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #...: 0311081
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	80	(50 - 114)	CFR136A 608
Aroclor 1260	80	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	74	(15 - 131)
Decachlorobiphenyl	32	(10 - 114)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: AOK050414

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: AOK080000-017 Prep Batch #....: 0312017					
Silver	104	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21CX
		Dilution Factor: 1			
Arsenic	98	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C0
		Dilution Factor: 1			
Cadmium	100	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C1
		Dilution Factor: 1			
Chromium	93	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C2
		Dilution Factor: 1			
Copper	102	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C3
		Dilution Factor: 1			
Nickel	100	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C4
		Dilution Factor: 1			
Lead	93	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C5
		Dilution Factor: 1			
Zinc	109	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C6
		Dilution Factor: 1			
Beryllium	98	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C7
		Dilution Factor: 1			
Antimony	94	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C8
		Dilution Factor: 1			
Selenium	99	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C9
		Dilution Factor: 1			
Thallium	92	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21DA
		Dilution Factor: 1			
Mercury	101	(85 - 115)	MCAWW 245.1	11/08/10	L9NP21DC
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A0K050414

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material, SGT		WO#:L9X3N1AC-LCS/L9X3N1AD-LCSD		LCS Lot-Sample#: A0K120000-173			
	84	(64 - 132)			CFR136A 1664A SGT	11/12/10	0316173
	84	(64 - 132)	0.29	(0-28)	CFR136A 1664A SGT	11/12/10	0316173
		Dilution Factor: 1					
n-Hexane Extractable Material		WO#:L9X3P1AC-LCS/L9X3P1AD-LCSD		LCS Lot-Sample#: A0K120000-175			
	84	(78 - 114)			CFR136A 1664A HEM	11/12/10	0316175
	84	(78 - 114)	0.29	(0-11)	CFR136A 1664A HEM	11/12/10	0316175
		Dilution Factor: 1					
Biochemical Oxygen Demand (BOD)		WO#:L9RJ81AC-LCS/L9RJ81AD-LCSD		LCS Lot-Sample#: A0K050000-361			
	97	(85 - 115)			SM18 5210 B	11/05-11/10/10	0309361
	94	(85 - 115)	2.6	(0-20)	SM18 5210 B	11/05-11/10/10	0309361
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K050414

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	98	Work Order #: L9TW31AC (85 - 114)	LCS Lot-Sample#: A0K100000-205 SM18 4500NH3-F	11/10/10	0314205
Dilution Factor: 1					
Total phosphorus	101	Work Order #: L9TQQ1AC (53 - 134)	LCS Lot-Sample#: A0K100000-203 SM18 4500-P E	11/10/10	0314203
Dilution Factor: 1					
Total Cyanide	79	Work Order #: L9WPH1AC (69 - 118)	LCS Lot-Sample#: A0K110000-285 SM18 4500-CN E	11/11-11/11/10	0315285
Dilution Factor: 1					
Total Suspended Solids	91	Work Order #: L9NTH1AC (73 - 113)	LCS Lot-Sample#: A0K080000-056 SM18 2540 D	11/08/10	0312056
Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #....: AOK050414 Work Order #....: L9JL91A5 Matrix.....: WATER
 MS Lot-Sample #: AOK040486-001
 Date Sampled...: 11/03/10 13:00 Date Received...: 11/04/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/09/10
 Prep Batch #....: 0315405
 Dilution Factor: 10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	106	(85 - 116)	CFR136A 624
Benzene	96	(90 - 114)	CFR136A 624
Bromoform	78	(40 - 141)	CFR136A 624
Bromomethane	88	(42 - 160)	CFR136A 624
Carbon tetrachloride	94	(61 - 129)	CFR136A 624
Chlorobenzene	87 a	(90 - 113)	CFR136A 624
Chlorodibromomethane	90	(65 - 123)	CFR136A 624
Chloroethane	111	(56 - 133)	CFR136A 624
Chloroform	102	(90 - 118)	CFR136A 624
Chloromethane	78	(37 - 127)	CFR136A 624
Dichlorobromomethane	99	(78 - 123)	CFR136A 624
1,1-Dichloroethane	101	(90 - 114)	CFR136A 624
1,2-Dichloroethane	93	(90 - 123)	CFR136A 624
1,1-Dichloroethene	114	(83 - 129)	CFR136A 624
1,2-Dichloropropane	95	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	82	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	83	(71 - 114)	CFR136A 624
Ethylbenzene	88	(88 - 111)	CFR136A 624
Methylene chloride	103	(78 - 131)	CFR136A 624
1,1,2,2-Tetrachloroethane	95	(77 - 133)	CFR136A 624
Tetrachloroethene	90	(81 - 112)	CFR136A 624
Toluene	94	(87 - 112)	CFR136A 624
1,1,1-Trichloroethane	112	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	103	(89 - 123)	CFR136A 624
Trichloroethene	90	(85 - 114)	CFR136A 624
Vinyl chloride	96	(50 - 119)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	98	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	95	(81 - 112)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: AOK050414

Matrix.....: WATER

Date Sampled...: 11/04/10 13:00 Date Received...: 11/05/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: AOK050565-001 Prep Batch #...: 0312017							
Antimony	98	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1D5
	101	(70 - 130)	2.4	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D6
			Dilution Factor: 1				
Arsenic	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DC
	98	(70 - 130)	0.58	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DD
			Dilution Factor: 1				
Beryllium	99	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1D2
	105	(70 - 130)	5.2	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D3
			Dilution Factor: 1				
Cadmium	105	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DF
	106	(70 - 130)	1.4	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DG
			Dilution Factor: 1				
Chromium	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DJ
	100	(70 - 130)	3.6	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DK
			Dilution Factor: 1				
Copper	102	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DM
	104	(70 - 130)	2.7	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DN
			Dilution Factor: 1				
Lead	101	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DU
	103	(70 - 130)	1.3	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DV
			Dilution Factor: 1				
Mercury	85	(69 - 134)			MCAWW 245.1	11/08/10	L9MHV1EF
	76	(69 - 134)	11	(0-20)	MCAWW 245.1	11/08/10	L9MHV1EG
			Dilution Factor: 1				
Nickel	102	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DQ
	104	(70 - 130)	1.6	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DR
			Dilution Factor: 1				
Selenium	96	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1D8
	95	(70 - 130)	0.98	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D9
			Dilution Factor: 1				

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: AOK050414

Matrix.....: WATER

Date Sampled...: 11/04/10 13:00 Date Received...: 11/05/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Silver	109	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1C8
	110	(70 - 130)	0.45	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1C9
		Dilution Factor: 1					
Thallium	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1EC
	98	(70 - 130)	0.52	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1ED
		Dilution Factor: 1					
Zinc	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DX
	100	(70 - 130)	2.7	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D0
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: AOK050414

Matrix.....: WG

Date Sampled...: 11/04/10 18:10 Date Received...: 11/05/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total phosphorus			WO#: L9K681A5-MS/L9K681A6-MSD		MS	Lot-Sample #: AOK050414-002	
	109	(10 - 199)			SM18 4500-P E	11/10/10	0314203
	113	(10 - 199)	3.6	(0-46)	SM18 4500-P E	11/10/10	0314203
			Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: AOK050414

Matrix.....: WATER

Date Sampled...: 10/29/10 15:15 Date Received...: 10/30/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#: L9D3Q1AQ-MS/L9D3Q1AR-MSD		MS	Lot-Sample #: AOK010453-001	
	50	(42 - 140)			SM18 4500-CN E	11/11/10	0315284
	51	(42 - 140)	1.7	(0-20)	SM18 4500-CN E	11/11/10	0315284
			Dilution Factor: 1				
Nitrogen, as Ammonia			WO#: L9HA11AJ-MS/L9HA11AK-MSD		MS	Lot-Sample #: AOK030537-001	
	95	(75 - 125)			SM18 4500NH3-F	11/10/10	0314205
	94	(75 - 125)	1.2	(0-20)	SM18 4500NH3-F	11/10/10	0314205
			Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A0K050414

Work Order #....: L9LNX-SMP
L9LNX-DUP

Matrix.....: WATER

Date Sampled....: 11/04/10 11:15

Date Received...: 11/05/10

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	ND	ND	mg/L	100	(0-20)	SM18 2540 D	11/08/10	0312054

SD Lot-Sample #: H0K050484-001

Dilution Factor: 1

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact

Project Manager: Steve Murray
Tel/Fax: (231) 922-9050

Site Contact: James Staley
Lab Contact: Mark Leeb

Date: 11/4/10
Carrier: FED EX

COC No. of COCs

Company: MACTEC Engineering and Consulting, Inc.
Address: 41 Hughes Drive
City/State/Zip: Traverse City, Michigan 49686
(231) 922-9050 Phone
(231) 922-9055 FAX

Calendar (C) or Work Days (W)
TAT if different from Below
2 weeks
1 week
2 days
1 day

Project Name: Honeywell South Bend - 3310102011.6100
Site: South Bend
P O #: 5133286

Job No.
SDG No.

Sample Identification
EW-2 1110

Sample Date: 11/4/10
Sample Time: 1900
Sample Type: Comp/Env
Matrix: H2O
of Cont.: 16

VOCs - 624	X
SVOCs, Dioxin Screen - 625	X
Pesticides, PCBs - 608	X
T. Cyanide - 4500 CN-E	X
T. Oil & Grease (FOG) - 1664-HEM	X
T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM	X
Ammonia, Nitrogen - 4500 NH3-F	X
T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8	X
Biochemical Oxygen Demand (BOD) - 5210B	X
Phosphorus - 365.1	X
T. Suspended Solids (TSS) - 2540D	X

Sample Specific Notes:

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identifications

Non-Hazard

Flammable

Skin Irritant

Poison B

Unknown

Sample Disposal (A Fee may be assessed if samples are retained longer than 1 month)
Return To Client
Active For Months

Special Instructions/QC Requirements & Comments:
Ammonia (N: nitrogen) and phosphorus collected in same bottle. Cook containers BOD sample (48 HR hold times).

ANALYZE FOR ALL PRIORITY POLLUTANTS (LIST INCLUDED)
Company: MACTEC
Date/Time: 11/4/10
Received by: [Signature]

Relinquished by: [Signature]
Company: MACTEC
Date/Time: 11/4/10
Received by: [Signature]

Relinquished by: [Signature]
Company: MACTEC
Date/Time: 11/4/10
Received by: [Signature]

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AOK050414

North Canton Facility

Client MACTEZ Project Honeywell SB By: [Signature]

Cooler Received on 5 NOV 2010 Opened on 5 NOV 2010 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # BACK Multiple Coolers Foam Box Client Cooler Other

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA

If YES, Quantity 4 Quantity Unsalvageable _____

Were custody seals on the outside of cooler(s) signed and dated? Yes No NA

Were custody seals on the bottle(s)? Yes No

If YES, are there any exceptions? _____

2. Shippers' packing slip attached to the cooler(s)? Yes No

3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No

4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other PASTIC BAG

6. Cooler temperature upon receipt BACK °C See back of form for multiple coolers/temps

METHOD: IR Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were sample(s) at the correct pH upon receipt? Yes No NA

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Were air bubbles >6 mm in any VOA vials? Yes No NA

12. Sufficient quantity received to perform indicated analyses? Yes No

13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

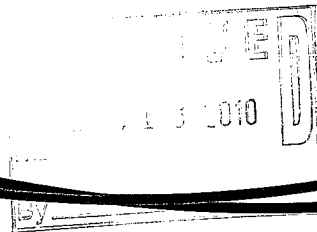
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 051010-HNO₃; Sulfuric Acid Lot# 051010-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
<u>EWZ</u>	<u>7.2 7.2 7.2 7.2 >12</u>	<u>5 NOV 2010</u>	<u>MAE</u>
<u>E3A</u>	<u>7.2 7.2 7.2 7.2 >12</u>	<u>5 NOV 2010</u>	<u>MAE</u>

END OF REPORT



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310102011.6100

HONEYWELL SOUTH BEND

Lot #: A0K060447

Steven Murray

Mactec Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

Approved for release.
Mark J. Loeb
Project Manager II
11/29/2010 3:01 PM

November 29, 2010



CASE NARRATIVE

A0K060447

The following report contains the analytical results for five water samples submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the HONEYWELL SOUTH BEND Site, project number 3310102011.6100. The samples were received November 06, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on November 24, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 0.4 to 2.0°C.

GC/MS VOLATILES

The analytical results met the requirements of the laboratory's QA/QC program.

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike (MS) samples in batch(es) 0313041.

PESTICIDES-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0311080.

PCB-608

There were no client requested Matrix Spike (MS) samples in batch0311081.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The matrix spike/matrix spike duplicate(s) for batch(es) 0315281 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

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EXECUTIVE SUMMARY - Detection Highlights

AOK060447

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
EW-1 1110 11/05/10 10:45 001				
Arsenic	8.7	5.0	ug/L	MCAWW 200.8
Copper	26.8	2.0	ug/L	MCAWW 200.8
Nickel	6.0	2.0	ug/L	MCAWW 200.8
Lead	4.9	1.0	ug/L	MCAWW 200.8
Zinc	280	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	210	5.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	34	5.0	ug/L	CFR136A 624
1,1-Dichloroethane	15	5.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	240	10	ug/L	CFR136A 624
Trichloroethene	30	5.0	ug/L	CFR136A 624
Vinyl chloride	32	5.0	ug/L	CFR136A 624
Total Cyanide	0.012	0.010	mg/L	SM18 4500-CN E
Total Suspended Solids	19	4.0	mg/L	SM18 2540 D
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F
EW-3 1110 11/05/10 11:40 002				
Copper	16.2	2.0	ug/L	MCAWW 200.8
Nickel	163	2.0	ug/L	MCAWW 200.8
Lead	4.6	1.0	ug/L	MCAWW 200.8
Zinc	191	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	28	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	28	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	56	2.0	ug/L	CFR136A 624
Trichloroethene	7.7	1.0	ug/L	CFR136A 624
Total Suspended Solids	13	4.0	mg/L	SM18 2540 D
EW-4 1110 11/05/10 08:40 003				
Lead	2.1	1.0	ug/L	MCAWW 200.8
Zinc	29.7	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	57	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	2.8	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	2.9	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	60	2.0	ug/L	CFR136A 624
Trichloroethene	1.8	1.0	ug/L	CFR136A 624
Total Suspended Solids	11	4.0	mg/L	SM18 2540 D

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

AOK060447

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EW-4 1110 11/05/10 08:40 003				
Nitrogen, as Ammonia	0.2	0.2	mg/L	SM18 4500NH3-F
EW-5 1110 11/05/10 11:15 004				
Copper	8.9	2.0	ug/L	MCAWW 200.8
Nickel	21.2	2.0	ug/L	MCAWW 200.8
Lead	12.6	1.0	ug/L	MCAWW 200.8
Zinc	167	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	130	2.5	ug/L	CFR136A 624
trans-1,2-Dichloroethene	26	2.5	ug/L	CFR136A 624
1,2-Dichloroethane	7.7	2.5	ug/L	CFR136A 624
1,2-Dichloroethene (total)	160	5.0	ug/L	CFR136A 624
Vinyl chloride	5.8	2.5	ug/L	CFR136A 624
Total Cyanide	0.028	0.010	mg/L	SM18 4500-CN E
Total Suspended Solids	17	4.0	mg/L	SM18 2540 D
n-Hexane Extractable Material	7.1	5.0	mg/L	CFR136A 1664A HEM
Nitrogen, as Ammonia	0.4	0.2	mg/L	SM18 4500NH3-F
RWB-16 1110 11/05/10 09:45 005				
Copper	8.4	2.0	ug/L	MCAWW 200.8
Lead	24.9	1.0	ug/L	MCAWW 200.8
Zinc	94.3	10.0	ug/L	MCAWW 200.8
Benzene	11	1.0	ug/L	CFR136A 624
Chloroethane	1.3	1.0	ug/L	CFR136A 624
Total Suspended Solids	6.0	4.0	mg/L	SM18 2540 D
n-Hexane Extractable Material	6.2	5.0	mg/L	CFR136A 1664A HEM
Total phosphorus	0.14	0.10	mg/L	SM18 4500-P E
Nitrogen, as Ammonia	0.6	0.2	mg/L	SM18 4500NH3-F

ANALYTICAL METHODS SUMMARY

AOK060447

PARAMETER	ANALYTICAL METHOD
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids	CFR136A 625
Biochemical Oxygen Demand	SM18 5210 B
Dioxin Screen, Selective Ion Monitoring	CFR136A 625 SIM
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A SGT HEM
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Organochlorine Pesticides and PCBs	CFR136A 608
Purgeables	CFR136A 624
Total cyanide	SM18 4500-CN E
Total phosphorus	SM18 4500-P E
Total Suspended Solids	SM18 2540 D

References:

- CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

A0K060447

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L9NAA	001	EW-1 1110	11/05/10	10:45
L9NAC	002	EW-3 1110	11/05/10	11:40
L9NAD	003	EW-4 1110	11/05/10	08:40
L9NAE	004	EW-5 1110	11/05/10	11:15
L9NAF	005	RWB-16 1110	11/05/10	09:45

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

GC/MS Volatiles

Lot-Sample #....: AOK060447-001 Work Order #....: L9NAA1AT Matrix.....: WG
 Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10
 Prep Date.....: 11/15/10 Analysis Date...: 11/15/10
 Prep Batch #....: 0319422
 Dilution Factor: 5 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	210	5.0	ug/L
trans-1,2-Dichloroethene	34	5.0	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Benzene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Dichlorobromomethane	ND	5.0	ug/L
1,1-Dichloroethane	15	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,2-Dichloroethene	240	10	ug/L
(total)			
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	30	5.0	ug/L
Vinyl chloride	32	5.0	ug/L
SURROGATE	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
1,2-Dichloroethane-d4	105	(80 - 125)	
Toluene-d8	104	(84 - 110)	
Bromofluorobenzene	96	(81 - 112)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-001 Work Order #....: L9NAA1AU Matrix.....: WG
 Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

GC/MS Semivolatiles

Lot-Sample #...: AOK060447-001 Work Order #...: L9NAA1AU Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	33	(10 - 135)
Phenol-d5	22	(10 - 132)
2,4,6-Tribromophenol	67	(10 - 142)
2-Fluorobiphenyl	63	(38 - 110)
Terphenyl-d14	85	(24 - 135)
Nitrobenzene-d5	61	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-001 Work Order #....: L9NAA1AV Matrix.....: WG
Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S):

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

GC Semivolatiles

Lot-Sample #....: A0K060447-001 Work Order #....: L9NAA1AQ Matrix.....: WG
 Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #....: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	97	(15 - 131)	
Decachlorobiphenyl	58	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-001 Work Order #....: L9NAA1AR Matrix.....: WG
 Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	77	(10 - 151)	
Decachlorobiphenyl	68	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

TOTAL Metals

Lot-Sample #....: AOK060447-001

Matrix.....: WG

Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AA
		Dilution Factor: 1				
Arsenic	8.7	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AE
		Dilution Factor: 1				
Copper	26.8	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NAA1AP
		Dilution Factor: 1				
Nickel	6.0	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AG
		Dilution Factor: 1				
Lead	4.9	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AN
		Dilution Factor: 1				
Zinc	280	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAA1AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-1 1110

General Chemistry

Lot-Sample #....: AOK060447-001 Work Order #....: L9NAA Matrix.....: WG
 Date Sampled....: 11/05/10 10:45 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.5	0.2	mg/L	SM18 4500NH3-F	11/11/10	0315356
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/11/10	0315190
		Dilution Factor: 1				
Total Cyanide	0.012	0.010	mg/L	SM18 4500-CN E	11/11/10	0315280
		Dilution Factor: 1				
Total Suspended Solids	19	4.0	mg/L	SM18 2540 D	11/09/10	0313109
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

GC/MS Volatiles

Lot-Sample #....: AOK060447-002 Work Order #....: L9NAC1A0 Matrix.....: WG
 Date Sampled....: 11/05/10 11:40 Date Received...: 11/06/10
 Prep Date.....: 11/15/10 Analysis Date...: 11/15/10
 Prep Batch #....: 0319422
 Dilution Factor: 1 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS
cis-1,2-Dichloroethene	28	1.0	ug/L
trans-1,2-Dichloroethene	28	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	56	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	7.7	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	98	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-002 Work Order #....: L9NAC1A1 Matrix.....: WG
 Date Sampled...: 11/05/10 11:40 Date Received...: 11/06/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-002 Work Order #...: L9NAC1A1 Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	33	(10 - 135)
Phenol-d5	25	(10 - 132)
2,4,6-Tribromophenol	67	(10 - 142)
2-Fluorobiphenyl	50	(38 - 110)
Terphenyl-d14	85	(24 - 135)
Nitrobenzene-d5	57	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-002 Work Order #....: L9NAC1A2 Matrix.....: WG
Date Sampled....: 11/05/10 11:40 Date Received...: 11/06/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S):

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-002 Work Order #....: L9NAC1AW Matrix.....: WG
 Date Sampled....: 11/05/10 11:40 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #....: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	77	(15 - 131)	
Decachlorobiphenyl	50	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-002 Work Order #....: L9NAC1AX Matrix.....: WG
 Date Sampled....: 11/05/10 11:40 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	66	(10 - 151)	
Decachlorobiphenyl	64	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

TOTAL Metals

Lot-Sample #....: AOK060447-002

Matrix.....: WG

Date Sampled....: 11/05/10 11:40 Date Received...: 11/06/10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #....: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AG
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AH
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AQ
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AJ
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AK
		Dilution Factor: 1				
Copper	16.2	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AL
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NAC1AV
		Dilution Factor: 1				
Nickel	163	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AM
		Dilution Factor: 1				
Lead	4.6	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AN
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AR
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AT
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AU
		Dilution Factor: 1				
Zinc	191	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAC1AP
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-3 1110

General Chemistry

Lot-Sample #....: AOK060447-002 Work Order #....: L9NAC Matrix.....: WG
 Date Sampled....: 11/05/10 11:40 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	11/11/10	0315356
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/11/10	0315190
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	11/11/10	0315280
		Dilution Factor: 1				
Total Suspended Solids	13	4.0	mg/L	SM18 2540 D	11/09/10	0313109
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

GC/MS Volatiles

Lot-Sample #....: AOK060447-003 Work Order #....: L9NAD1A0 Matrix.....: WG
 Date Sampled...: 11/05/10 08:40 Date Received...: 11/06/10
 Prep Date.....: 11/15/10 Analysis Date...: 11/15/10
 Prep Batch #....: 0319422
 Dilution Factor: 1 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	57	1.0	ug/L
trans-1,2-Dichloroethene	2.8	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	2.9	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	60	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	1.8	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
1,2-Dichloroethane-d4	103	(80 - 125)	
Toluene-d8	103	(84 - 110)	
Bromofluorobenzene	97	(81 - 112)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-003 Work Order #....: L9NAD1A1 Matrix.....: WG
 Date Sampled....: 11/05/10 08:40 Date Received...: 11/06/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

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MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

GC/MS Semivolatiles

Lot-Sample #...: AOK060447-003 Work Order #...: L9NAD1A1 Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
2-Fluorophenol	32	(10 - 135)	
Phenol-d5	23	(10 - 132)	
2,4,6-Tribromophenol	64	(10 - 142)	
2-Fluorobiphenyl	51	(38 - 110)	
Terphenyl-d14	82	(24 - 135)	
Nitrobenzene-d5	51	(44 - 110)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

GC/MS Semivolatiles

Lot-Sample #....: A0K060447-003 Work Order #....: L9NAD1A2 Matrix.....: WG
Date Sampled...: 11/05/10 08:40 Date Received...: 11/06/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S) :

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-003 Work Order #....: L9NAD1AW Matrix.....: WG
 Date Sampled....: 11/05/10 08:40 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #....: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	98	(15 - 131)
Decachlorobiphenyl	54	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-003 Work Order #....: L9NAD1AX Matrix.....: WG
 Date Sampled....: 11/05/10 08:40 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Tetrachloro-m-xylene	81	(10 - 151)	
Decachlorobiphenyl	69	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

TOTAL Metals

Lot-Sample #....: AOK060447-003

Matrix.....: WG

Date Sampled....: 11/05/10 08:40 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AG
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AH
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AQ
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AJ
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AK
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AL
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NAD1AV
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AM
		Dilution Factor: 1				
Lead	2.1	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AN
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AR
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AT
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AU
		Dilution Factor: 1				
Zinc	29.7	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAD1AP
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-4 1110

General Chemistry

Lot-Sample #....: AOK060447-003 Work Order #....: L9NAD Matrix.....: WG
 Date Sampled...: 11/05/10 08:40 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.2	0.2	mg/L	SM18 4500NH3-F	11/11/10	0315356
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/11/10	0315190
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	11/11/10	0315280
		Dilution Factor: 1				
Total Suspended Solids	11	4.0	mg/L	SM18 2540 D	11/09/10	0313109
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

GC/MS Volatiles

Lot-Sample #....: AOK060447-004 Work Order #....: L9NAE1A0 Matrix.....: WG
 Date Sampled....: 11/05/10 11:15 Date Received...: 11/06/10
 Prep Date.....: 11/15/10 Analysis Date...: 11/15/10
 Prep Batch #....: 0319422
 Dilution Factor: 2.5 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS
cis-1,2-Dichloroethene	130	2.5	ug/L
trans-1,2-Dichloroethene	26	2.5	ug/L
Acrolein	ND	50	ug/L
Acrylonitrile	ND	50	ug/L
Benzene	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	2.5	ug/L
Chloroform	ND	2.5	ug/L
Chloromethane	ND	2.5	ug/L
Dichlorobromomethane	ND	2.5	ug/L
1,1-Dichloroethane	ND	2.5	ug/L
1,2-Dichloroethane	7.7	2.5	ug/L
1,1-Dichloroethene	ND	2.5	ug/L
1,2-Dichloroethene (total)	160	5.0	ug/L
1,2-Dichloropropane	ND	2.5	ug/L
cis-1,3-Dichloropropene	ND	2.5	ug/L
trans-1,3-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	ND	2.5	ug/L
Toluene	ND	2.5	ug/L
1,1,1-Trichloroethane	ND	2.5	ug/L
1,1,2-Trichloroethane	ND	2.5	ug/L
Trichloroethene	ND	2.5	ug/L
Vinyl chloride	5.8	2.5	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	94	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-004 Work Order #....: L9NAE1A1 Matrix.....: WG
 Date Sampled....: 11/05/10 11:15 Date Received...: 11/06/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-004 Work Order #....: L9NAE1A1 Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	36	(10 - 135)
Phenol-d5	26	(10 - 132)
2,4,6-Tribromophenol	70	(10 - 142)
2-Fluorobiphenyl	62	(38 - 110)
Terphenyl-d14	87	(24 - 135)
Nitrobenzene-d5	60	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

GC/MS Semivolatiles

Lot-Sample #...: AOK060447-004 Work Order #...: L9NAE1A2 Matrix.....: WG
Date Sampled...: 11/05/10 11:15 Date Received...: 11/06/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #...: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S) :

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

GC Semivolatiles

Lot-Sample #...: AOK060447-004 Work Order #...: L9NAE1AW Matrix.....: WG
 Date Sampled...: 11/05/10 11:15 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #...: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	102	(15 - 131)
Decachlorobiphenyl	70	(10 - 114)

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-004 Work Order #....: L9NAE1AX Matrix.....: WG
 Date Sampled....: 11/05/10 11:15 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	80	(10 - 151)	
Decachlorobiphenyl	90	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

TOTAL Metals

Lot-Sample #...: AOK060447-004

Matrix.....: WG

Date Sampled...: 11/05/10 11:15 Date Received...: 11/06/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AG
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AH
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AQ
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AJ
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AK
		Dilution Factor: 1				
Copper	8.9	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AL
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NAE1AV
		Dilution Factor: 1				
Nickel	21.2	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AM
		Dilution Factor: 1				
Lead	12.6	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AN
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AR
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AT
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AU
		Dilution Factor: 1				
Zinc	167	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAE1AP
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: EW-5 1110

General Chemistry

Lot-Sample #....: AOK060447-004 Work Order #....: L9NAE Matrix.....: WG
 Date Sampled....: 11/05/10 11:15 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	7.1	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
				Dilution Factor: 1		
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
				Dilution Factor: 1		
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
				Dilution Factor: 1		
Nitrogen, as Ammonia	0.4	0.2	mg/L	SM18 4500NH3-F	11/11/10	0315356
				Dilution Factor: 1		
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/11/10	0315190
				Dilution Factor: 1		
Total Cyanide	0.028	0.010	mg/L	SM18 4500-CN E	11/11/10	0315280
				Dilution Factor: 1		
Total Suspended Solids	17	4.0	mg/L	SM18 2540 D	11/09/10	0313109
				Dilution Factor: 1		

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

GC/MS Volatiles

Lot-Sample #....: AOK060447-005 Work Order #....: L9NAF1A0 Matrix.....: WQ
 Date Sampled...: 11/05/10 09:45 Date Received...: 11/06/10
 Prep Date.....: 11/15/10 Analysis Date...: 11/15/10
 Prep Batch #....: 0319422
 Dilution Factor: 1 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	11	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	1.3	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dichlorobromomethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene	ND	2.0	ug/L
(total)			
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	103	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	99	(81 - 112)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-005 Work Order #....: L9NAF1A1 Matrix.....: WQ
 Date Sampled....: 11/05/10 09:45 Date Received...: 11/06/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-005 Work Order #...: L9NAF1A1 Matrix.....: WQ

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	40	(10 - 135)
Phenol-d5	24	(10 - 132)
2,4,6-Tribromophenol	69	(10 - 142)
2-Fluorobiphenyl	48	(38 - 110)
Terphenyl-d14	76	(24 - 135)
Nitrobenzene-d5	50	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK060447-005 Work Order #....: L9NAF1A2 Matrix.....: WQ
Date Sampled....: 11/05/10 09:45 Date Received...: 11/06/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S) :

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

GC Semivolatiles

Lot-Sample #....: AOK060447-005 Work Order #....: L9NAF1AW Matrix.....: WQ
 Date Sampled....: 11/05/10 09:45 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/12/10
 Prep Batch #....: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
SURROGATE	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
Tetrachloro-m-xylene	76	(15 - 131)	
Decachlorobiphenyl	56	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

GC Semivolatiles

Lot-Sample #...: AOK060447-005 Work Order #...: L9NAF1AX Matrix.....: WQ
 Date Sampled...: 11/05/10 09:45 Date Received...: 11/06/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/12/10
 Prep Batch #...: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	73	(10 - 151)
Decachlorobiphenyl	75	(10 - 151)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-16 1110

TOTAL Metals

Lot-Sample #....: AOK060447-005

Matrix.....: WQ

Date Sampled....: 11/05/10 09:45 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 0312017						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AG
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AH
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AQ
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AJ
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AK
		Dilution Factor: 1				
Copper	8.4	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AL
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NAF1AV
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AM
		Dilution Factor: 1				
Lead	24.9	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AN
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AR
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AT
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AU
		Dilution Factor: 1				
Zinc	94.3	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NAF1AP
		Dilution Factor: 1				

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: AOK060447 Work Order #...: L93071AA Matrix.....: WATER
 MB Lot-Sample #: AOK150000-422
 Prep Date.....: 11/14/10
 Analysis Date...: 11/14/10 Prep Batch #...: 0319422
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene (total)	ND	2.0	ug/L	CFR136A 624
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	101	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	100	(81 - 112)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK060447
 MB Lot-Sample #: AOK090000-041

Work Order #...: L9P5H1AA

Matrix.....: WATER

Analysis Date...: 11/11/10
 Dilution Factor: 1

Prep Date.....: 11/09/10

Prep Batch #...: 0313041

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	10	ug/L	CFR136A 625
m-Cresol	ND	10	ug/L	CFR136A 625
p-Cresol	ND	10	ug/L	CFR136A 625
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)- ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	10	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK060447

Work Order #...: L9P5H1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta- diene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	10	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro- benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro- phenol	ND	10	ug/L	CFR136A 625

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	44	(10 - 135)
Phenol-d5	32	(10 - 132)
2,4,6-Tribromophenol	61	(10 - 142)
2-Fluorobiphenyl	61	(38 - 110)
Terphenyl-d14	95	(24 - 135)
Nitrobenzene-d5	64	(44 - 110)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A0K060447
MB Lot-Sample #: A0K090000-042

Work Order #...: L9P5J1AA
Prep Date.....: 11/09/10
Prep Batch #...: 0313042

Matrix.....: WATER

Analysis Date...: 11/19/10
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units	CFR136A 625 SIM

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NEG Negative

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: AOK060447
 MB Lot-Sample #: AOK070000-080

Work Order #...: L9NPC1AA

Matrix.....: WATER

Analysis Date...: 11/11/10
 Dilution Factor: 1

Prep Date.....: 11/08/10

Prep Batch #...: 0311080

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.050	ug/L	CFR136A 608
4,4'-DDE	ND	0.050	ug/L	CFR136A 608
4,4'-DDT	ND	0.050	ug/L	CFR136A 608
Dieldrin	ND	0.050	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.050	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.050	ug/L	CFR136A 608
Endrin	ND	0.050	ug/L	CFR136A 608
Endrin aldehyde	ND	0.050	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	2.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	84	(10 - 151)
Decachlorobiphenyl	90	(10 - 151)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9NPD1AA Matrix.....: WATER
 MB Lot-Sample #: A0K070000-081
 Analysis Date...: 11/10/10 Prep Date.....: 11/08/10
 Dilution Factor: 1 Prep Batch #...: 0311081

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	1.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	97	(15 - 131)
Decachlorobiphenyl	52	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: AOK060447

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: AOK080000-017 Prep Batch #....: 0312017						
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CQ
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CG
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CP
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CH
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CJ
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CK
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CM
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/08/10	L9NP21CU
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CR
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CF
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CT
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	11/08-11/10/10	L9NP21CN
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A0K060447

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
		Work Order #: L93XJ1AA		MB Lot-Sample #: A0K150000-391		
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
		Work Order #: L93XL1AA		MB Lot-Sample #: A0K150000-393		
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
		Work Order #: L9VMW1AA		MB Lot-Sample #: A0K060000-112		
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	11/11/10	0315356
		Work Order #: L9XCQ1AA		MB Lot-Sample #: A0K110000-356		
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/11/10	0315190
		Work Order #: L9V0W1AA		MB Lot-Sample #: A0K110000-190		
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	11/11/10	0315280
		Work Order #: L9WN61AA		MB Lot-Sample #: A0K110000-280		
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	11/09/10	0313109
		Work Order #: L9P7M1AA		MB Lot-Sample #: A0K090000-109		
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: AOK060447 Work Order #...: L93071AC Matrix.....: WATER
 LCS Lot-Sample#: AOK150000-422
 Prep Date.....: 11/14/10 Analysis Date...: 11/14/10
 Prep Batch #...: 0319422
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	100	(54 - 156)	CFR136A 624
Benzene	96	(37 - 151)	CFR136A 624
Bromoform	98	(45 - 169)	CFR136A 624
Bromomethane	113	(10 - 242)	CFR136A 624
Carbon tetrachloride	101	(70 - 140)	CFR136A 624
Chlorobenzene	97	(37 - 160)	CFR136A 624
Chlorodibromomethane	105	(53 - 149)	CFR136A 624
Chloroethane	105	(14 - 230)	CFR136A 624
Chloroform	100	(51 - 138)	CFR136A 624
Chloromethane	99	(10 - 273)	CFR136A 624
Dichlorobromomethane	102	(35 - 155)	CFR136A 624
1,1-Dichloroethane	100	(59 - 155)	CFR136A 624
1,2-Dichloroethane	99	(49 - 155)	CFR136A 624
1,1-Dichloroethene	110	(10 - 234)	CFR136A 624
1,2-Dichloropropane	101	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	100	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	106	(17 - 183)	CFR136A 624
Ethylbenzene	99	(37 - 162)	CFR136A 624
Methylene chloride	93	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	96	(46 - 157)	CFR136A 624
Tetrachloroethene	99	(64 - 148)	CFR136A 624
Toluene	97	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	104	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	102	(52 - 150)	CFR136A 624
Trichloroethene	96	(71 - 157)	CFR136A 624
Vinyl chloride	102	(10 - 251)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	105	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	102	(81 - 112)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: AOK060447 Work Order #...: L93071AC Matrix.....: WATER
LCS Lot-Sample#: AOK150000-422

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: AOK060447 Work Order #...: L9P5H1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK090000-041
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #...: 0313041
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	84	(54 - 110)	CFR136A 625
Acenaphthylene	85	(52 - 110)	CFR136A 625
Anthracene	87	(54 - 110)	CFR136A 625
Benzo(a)anthracene	86	(48 - 112)	CFR136A 625
Benzo(a)pyrene	79	(51 - 111)	CFR136A 625
Benzo(b)fluoranthene	91	(55 - 110)	CFR136A 625
Benzo(ghi)perylene	94	(45 - 113)	CFR136A 625
Benzo(k)fluoranthene	83	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl ether	87	(56 - 110)	CFR136A 625
Butyl benzyl phthalate	90	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy) methane	86	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	88	(63 - 115)	CFR136A 625
bis(2-Chloroisopropyl) ether	90	(55 - 120)	CFR136A 625
p-Chloro-m-cresol	86	(58 - 110)	CFR136A 625
2-Chloronaphthalene	82	(50 - 110)	CFR136A 625
2-Chlorophenol	82	(60 - 110)	CFR136A 625
4-Chlorophenyl phenyl ether	87	(57 - 110)	CFR136A 625
Chrysene	84	(53 - 118)	CFR136A 625
Dibenz(a,h)anthracene	90	(51 - 114)	CFR136A 625
Di-n-butyl phthalate	92	(49 - 110)	CFR136A 625
1,2-Dichlorobenzene	77	(38 - 110)	CFR136A 625
1,3-Dichlorobenzene	73	(33 - 110)	CFR136A 625
1,4-Dichlorobenzene	78	(35 - 110)	CFR136A 625
3,3'-Dichlorobenzidine	60	(19 - 110)	CFR136A 625
2,4-Dichlorophenol	85	(63 - 110)	CFR136A 625
Diethyl phthalate	88	(10 - 117)	CFR136A 625
2,4-Dimethylphenol	77	(10 - 115)	CFR136A 625
Dimethyl phthalate	81	(10 - 115)	CFR136A 625
4,6-Dinitro-2-methylphenol	86	(10 - 138)	CFR136A 625

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9P5H1AC Matrix.....: WATER
 LCS Lot-Sample#: A0K090000-041

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,4-Dinitrophenol	80	(10 - 135)	CFR136A 625
2,4-Dinitrotoluene	95	(55 - 112)	CFR136A 625
2,6-Dinitrotoluene	92	(63 - 117)	CFR136A 625
Di-n-octyl phthalate	88	(51 - 135)	CFR136A 625
bis(2-Ethylhexyl) phthalate	93	(50 - 134)	CFR136A 625
Fluoranthene	92	(55 - 112)	CFR136A 625
Fluorene	86	(55 - 110)	CFR136A 625
Hexachlorobenzene	86	(53 - 113)	CFR136A 625
Hexachlorobutadiene	70	(31 - 110)	CFR136A 625
Hexachloroethane	69	(26 - 110)	CFR136A 625
Indeno(1,2,3-cd)pyrene	92	(43 - 118)	CFR136A 625
Isophorone	85	(58 - 110)	CFR136A 625
Naphthalene	78	(48 - 111)	CFR136A 625
Nitrobenzene	84	(64 - 110)	CFR136A 625
2-Nitrophenol	88	(50 - 118)	CFR136A 625
4-Nitrophenol	48	(10 - 132)	CFR136A 625
N-Nitrosodi-n-propyl- amine	89	(57 - 110)	CFR136A 625
Pentachlorophenol	76	(10 - 131)	CFR136A 625
Phenanthrene	82	(54 - 110)	CFR136A 625
Phenol	43	(17 - 130)	CFR136A 625
Pyrene	84	(48 - 122)	CFR136A 625
1,2,4-Trichloro- benzene	72	(42 - 112)	CFR136A 625
2,4,6-Trichloro- phenol	84	(54 - 110)	CFR136A 625

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
2-Fluorophenol	63	(10 - 135)
Phenol-d5	43	(10 - 132)
2,4,6-Tribromophenol	93	(10 - 142)
2-Fluorobiphenyl	83	(38 - 110)
Terphenyl-d14	104	(24 - 135)
Nitrobenzene-d5	84	(44 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9P5H1AC Matrix.....: WATER
LCS Lot-Sample#: A0K090000-041

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9NPC1AC Matrix.....: WATER
 LCS Lot-Sample#: A0K070000-080
 Prep Date.....: 11/08/10 Analysis Date...: 11/12/10
 Prep Batch #...: 0311080
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aldrin	83	(42 - 122)	CFR136A 608
alpha-BHC	88	(37 - 134)	CFR136A 608
beta-BHC	92	(17 - 147)	CFR136A 608
delta-BHC	89	(19 - 140)	CFR136A 608
gamma-BHC (Lindane)	93	(32 - 127)	CFR136A 608
4,4'-DDD	99	(31 - 141)	CFR136A 608
4,4'-DDE	83	(30 - 145)	CFR136A 608
4,4'-DDT	96	(25 - 160)	CFR136A 608
Dieldrin	86	(36 - 146)	CFR136A 608
Endosulfan I	53	(45 - 153)	CFR136A 608
Endosulfan II	59	(10 - 202)	CFR136A 608
Endosulfan sulfate	92	(26 - 144)	CFR136A 608
Endrin	83	(30 - 147)	CFR136A 608
Heptachlor	95	(34 - 111)	CFR136A 608
Heptachlor epoxide	86	(37 - 142)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	90	(10 - 151)
Decachlorobiphenyl	39	(10 - 151)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9NPD1AC Matrix.....: WATER
 LCS Lot-Sample#: A0K070000-081
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #...: 0311081
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	80	(50 - 114)	CFR136A 608
Aroclor 1260	80	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	74	(15 - 131)
Decachlorobiphenyl	32	(10 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: AOK060447

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: AOK080000-017 Prep Batch #...: 0312017					
Silver	104	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21CX
		Dilution Factor: 1			
Arsenic	98	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C0
		Dilution Factor: 1			
Cadmium	100	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C1
		Dilution Factor: 1			
Chromium	93	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C2
		Dilution Factor: 1			
Copper	102	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C3
		Dilution Factor: 1			
Nickel	100	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C4
		Dilution Factor: 1			
Lead	93	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C5
		Dilution Factor: 1			
Zinc	109	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C6
		Dilution Factor: 1			
Beryllium	98	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C7
		Dilution Factor: 1			
Antimony	94	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C8
		Dilution Factor: 1			
Selenium	99	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21C9
		Dilution Factor: 1			
Thallium	92	(85 - 115)	MCAWW 200.8	11/08-11/10/10	L9NP21DA
		Dilution Factor: 1			
Mercury	101	(85 - 115)	MCAWW 245.1	11/08/10	L9NP21DC
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #....: AOK060447

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material		WO#:L93XJ1AC-LCS/L93XJ1AD-LCSD LCS Lot-Sample#: AOK150000-391					
	92	(78 - 114)			CFR136A 1664A HEM	11/16/10	0319391
	92	(78 - 114)	0.0	(0-11)	CFR136A 1664A HEM	11/16/10	0319391
		Dilution Factor: 1					
n-Hexane Extractable Material, SGT		WO#:L93XL1AC-LCS/L93XL1AD-LCSD LCS Lot-Sample#: AOK150000-393					
	80	(64 - 132)			CFR136A 1664A SGT	11/16/10	0319393
	89	(64 - 132)	11	(0-28)	CFR136A 1664A SGT	11/16/10	0319393
		Dilution Factor: 1					
Biochemical Oxygen Demand (BOD)		WO#:L9VMW1AC-LCS/L9VMW1AD-LCSD LCS Lot-Sample#: AOK060000-112					
	89	(85 - 115)			SM18 5210 B	11/06-11/11/10	0310112
	89	(85 - 115)	0.0	(0-20)	SM18 5210 B	11/06-11/11/10	0310112
		Dilution Factor: 1					

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: AOK060447

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	98	Work Order #: L9XCQ1AC (85 - 114)	LCS Lot-Sample#: AOK110000-356 SM18 4500NH3-F	11/11/10	0315356
		Dilution Factor: 1			
Total phosphorus	91	Work Order #: L9V0W1AC (53 - 134)	LCS Lot-Sample#: AOK110000-190 SM18 4500-P E	11/11/10	0315190
		Dilution Factor: 1			
Total Cyanide	85	Work Order #: L9WN61AC (69 - 118)	LCS Lot-Sample#: AOK110000-280 SM18 4500-CN E	11/11/10	0315280
		Dilution Factor: 1			
Total Suspended Solids	92	Work Order #: L9P7M1AC (73 - 113)	LCS Lot-Sample#: AOK090000-109 SM18 2540 D	11/09/10	0313109
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #....: AOK060447 Work Order #....: L9J781A0 Matrix.....: WATER
 MS Lot-Sample #: AOK040567-001
 Date Sampled....: 11/02/10 14:30 Date Received...: 11/04/10
 Prep Date.....: 11/15/10 Analysis Date...: 11/15/10
 Prep Batch #....: 0319422
 Dilution Factor: 10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	104	(85 - 116)	CFR136A 624
Benzene	99	(90 - 114)	CFR136A 624
Bromoform	87	(40 - 141)	CFR136A 624
Bromomethane	115	(42 - 160)	CFR136A 624
Carbon tetrachloride	93	(61 - 129)	CFR136A 624
Chlorobenzene	100	(90 - 113)	CFR136A 624
Chlorodibromomethane	96	(65 - 123)	CFR136A 624
Chloroethane	106	(56 - 133)	CFR136A 624
Chloroform	101	(90 - 118)	CFR136A 624
Chloromethane	104	(37 - 127)	CFR136A 624
Dichlorobromomethane	103	(78 - 123)	CFR136A 624
1,1-Dichloroethane	103	(90 - 114)	CFR136A 624
1,2-Dichloroethane	106	(90 - 123)	CFR136A 624
1,1-Dichloroethene	117	(83 - 129)	CFR136A 624
1,2-Dichloropropane	107	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	97	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	104	(71 - 114)	CFR136A 624
Ethylbenzene	99	(88 - 111)	CFR136A 624
Methylene chloride	94	(78 - 131)	CFR136A 624
1,1,2,2-Tetrachloroethane	103	(77 - 133)	CFR136A 624
Tetrachloroethene	101	(81 - 112)	CFR136A 624
Toluene	98	(87 - 112)	CFR136A 624
1,1,1-Trichloroethane	101	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	105	(89 - 123)	CFR136A 624
Trichloroethene	99	(85 - 114)	CFR136A 624
Vinyl chloride	107	(50 - 119)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	108	(80 - 125)
Toluene-d8	104	(84 - 110)
Bromofluorobenzene	101	(81 - 112)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: AOK060447

Matrix.....: WATER

Date Sampled...: 11/04/10 13:00 Date Received...: 11/05/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: AOK050565-001 Prep Batch #...: 0312017							
Antimony	98	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1D5
	101	(70 - 130)	2.4	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D6
			Dilution Factor: 1				
Arsenic	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DC
	98	(70 - 130)	0.58	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DD
			Dilution Factor: 1				
Beryllium	99	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1D2
	105	(70 - 130)	5.2	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D3
			Dilution Factor: 1				
Cadmium	105	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DF
	106	(70 - 130)	1.4	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DG
			Dilution Factor: 1				
Chromium	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DJ
	100	(70 - 130)	3.6	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DK
			Dilution Factor: 1				
Copper	102	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DM
	104	(70 - 130)	2.7	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DN
			Dilution Factor: 1				
Lead	101	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DU
	103	(70 - 130)	1.3	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DV
			Dilution Factor: 1				
Mercury	85	(69 - 134)			MCAWW 245.1	11/08/10	L9MHV1EF
	76	(69 - 134)	11	(0-20)	MCAWW 245.1	11/08/10	L9MHV1EG
			Dilution Factor: 1				
Nickel	102	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DQ
	104	(70 - 130)	1.6	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DR
			Dilution Factor: 1				
Selenium	96	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1D8
	95	(70 - 130)	0.98	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1D9
			Dilution Factor: 1				

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: AOK060447

Matrix.....: WATER

Date Sampled...: 11/04/10 13:00 Date Received...: 11/05/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Silver	109	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1C8
	110	(70 - 130)	0.45	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1C9
Dilution Factor: 1							
Thallium	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1EC
	98	(70 - 130)	0.52	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1ED
Dilution Factor: 1							
Zinc	97	(70 - 130)			MCAWW 200.8	11/08-11/10/10	L9MHV1DX
	100	(70 - 130)	2.7	(0-20)	MCAWW 200.8	11/08-11/10/10	L9MHV1DO
Dilution Factor: 1							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: AOK060447

Matrix.....: WG

Date Sampled...: 11/05/10 11:15 Date Received...: 11/06/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total phosphorus			WO#: L9NAE1A5-MS/L9NAE1A6-MSD		MS	Lot-Sample #: AOK060447-004	
	122	(10 - 199)			SM18 4500-P E	11/11/10	0315190
	107	(10 - 199)	12	(0-46)	SM18 4500-P E	11/11/10	0315190
			Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: AOK060447

Matrix.....: WATER

Date Sampled....: 10/28/10 09:06 Date Received...: 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#:	L9MHV1ER-MS/L9MHV1ET-MSD	MS	Lot-Sample #:	AOK050565-001
	9.8 N	(42 - 140)			SM18 4500-CN E	11/11/10	0315281
	66 *	(42 - 140)	141	(0-20)	SM18 4500-CN E	11/11/10	0315281
			Dilution Factor: 1				
Nitrogen, as Ammonia			WO#:	L9AF21A3-MS/L9AF21A4-MSD	MS	Lot-Sample #:	A0J290446-005
	102	(75 - 125)			SM18 4500NH3-F	11/11/10	0315355
	99	(75 - 125)	3.5	(0-20)	SM18 4500NH3-F	11/11/10	0315355
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

North Canton
 4101 Shuffel Street, N. W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Contact
 Project Manager: Steve Murray
 Tel/Fax: (231) 922-9050

Analysis Turnaround Time
 Calendar (C) or Work Days (W)
 TAT if different from Below
 2 weeks
 1 week
 2 days
 1 day

Site Contact: James Staley
 Lab Contact: Mark Loeb

Date: 11/5/2010
 Carrier: FedEx

TestAmerica Laboratories, Inc.
 COC No: 1 of 1 COCs
 Job No.

Company: MACTEC Engineering and Consulting, Inc.
 Address: 41 Hughes Drive
 City/State/Zip: Tawassee City, Michigan 49686

(231) 922-9050 Phone
 (231) 922-9055 FAX

Project Name: Honeywell South Bend - 3310102011.6100
 Site: South Bend
 P O #: 5133286

Sample Identification
 EW-1 1110

Sample Date: 11/5/10
 Sample Time: 10:45
 Sample Type: Composite
 Matrix: H0116
 # of Containers: 1

VOCs - 624	X
SVOCs, Dioxin Screen - 625	X
Pesticides, PCBs - 608	X
T. Cyanide - 4500 CN-E	X
T. Oil & Grease (FOG) - 1664-HEM	X
T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM	X
Ammonia, Nitrogen - 4500 NH3-F	X
T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8	X
Biochemical Oxygen Demand (BOD) - 5210B	X
Phosphorus - 365.1	X
T. Suspended Solids (TSS) - 2540D	X

Sample Specific Notes:

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other
 Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison-B Unknown
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/OC Requirements & Comments:
 Ammonia (nitrogen) and phosphorus collected in same bottle. Cooler contains BOD sample (48 HR holdtime). RUN IMMEDIATELY ANALYZE FOR ALL PRIORITIES POLLUTANTS (LIST INCLUDED)
 Relinquished by: [Signature] Company: MACTEC Date/Time: 11/5/10
 Relinquished by: [Signature] Company: [Signature] Date/Time: 11/6/10
 Relinquished by: [Signature] Company: [Signature] Date/Time: [Signature]

North Canton
 4101 Shurfel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact

Company: MACTEC Engineering and Consulting, Inc.

Address: 41 Hughes Drive

City/State/Zip: Traverse City, Michigan 49686

(231) 922-9050 Phone

(231) 922-9055 FAX

Project Name: Honeywell South Bend - 3310102011.6100

Site: South Bend

P O #: 5133286

Project Manager: Steve Murray

Tel/Fax: (231) 922-9050

Analysis Turnaround Time

Calendar (C) or Work Days (W)

TAT if different from Below

2 weeks

1 week

2 days

1 day

Sample Identification

EW-3 1110

Sample Date: 11/5/10

Sample Time: 11:40

Sample Type: Emb Composite

Matrix: HD 16

of Cont: 1

VOCs - 624

SVOCs, Dioxin Screen - 625

Pesticides, PCBs - 608

T. Cyanide - 4500 CN-E

T. Oil & Grease (FOG) - 1664-HEM

T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM

Ammonia, Nitrogen - 4500 NH3-F

T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8

Biochemical Oxygen Demand (BOD) - 5210B

Phosphorus - 365.1

T. Suspended Solids (TSS) - 2540D

Sample Specific Notes:

COC No: 1 of 1 COCs

Job No.

SDG No.

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months

Special Instructions (QC Requirements & Comments):
 A minimum (nitrogen) and phosphorus collected in same bottle. Cooler contains BOD sample (48 hr holdtime). Run Immediately ANALYZE FOR ALL PRIORITY POLLUTANTS (LIST INCLUDED)

Retinquished by:

Retinquished by:

Retinquished by:

Retinquished by:

Company: MACTEC

Company: MACTEC

Company:

Company:

Date/Time: 11/5/10

Date/Time:

Date/Time:

Date/Time:

Received by:

Received by:

Received by:

Received by:

Company: TKR

Company:

Company:

Company:

Date/Time: 11/16/10

Date/Time:

Date/Time:

Date/Time:

North Canton
 4101 Shuffel Street, N.W.
 North Canton, OH 44720
 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact

Company: MACTEC Engineering and Consulting, Inc.

Address: 41 Hughes Drive

City/State/Zip: Traverse City, Michigan 49686

(231) 922-9050 Phone

(231) 922-9055 FAX

Project Name: Honeywell South Bend - 3310102011.6100

Site: South Bend

P O #: 5133286

Project Manager: Steve Murray

Tel/Fax: (231) 922-9050

Analysis Turnaround Time

Calendar (C) or Work Days (W)

TAT if different from Below

2 weeks

1 week

2 days

1 day

Site Contact: James Staley

Lab Contact: Mark Loeb

Date: 11/5/2010

Carrier: Fed Ex

COC No:

of COCs

Job No.

SDG No.

Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	VOCs - 624	SVOCs, Dioxin Screen - 625	Pesticides, PCBs - 608	T. Cyanide - 4500 CN-E	T. Oil & Grease (FOG) - 1664-HEM	T. Petroleum Hydrocarbons Oil & Grease (TPH O&G) - 1664-SGT HEM	Ammonia, Nitrogen - 4500 NH3-F	T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8	Biochemical Oxygen Demand (BOD) - 5210B	Phosphorus - 365.1	T. Suspended Solids (TSS) - 2540D
RWB-16	11/10	9:45	Empty Composite	HO 16	N	X	X	X	X	X	X	X	X	X	X	X

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification

Non-Hazard

Flammable

Skin Irritant

Poison B

Unknown

Return To Client

Disposal By Lab

Active For

Special Instructions/OC Requirements & Comments:
 A monoxic (nitrogen) and phosphorus collected in same bottle. Cooler contains BOD sample (48 HR holdtime). Run Immediately. ANALYZE FOR ALL PRIORITY POLLUTANTS (LIST INCLUDED)

Relinquished By: [Signature]

Relinquished by: [Signature]

Relinquished by: [Signature]

Relinquished by: [Signature]

Company: MACTEC

Company: MACTEC

Company: MACTEC

Company: MACTEC

Date/Time: 11/5/10

Date/Time: 11/5/10

Date/Time: 11/5/10

Date/Time: 11/5/10

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Received by: [Signature]

Company: [Signature]

Company: [Signature]

Company: [Signature]

Company: [Signature]

Date/Time: 11/6/10

Date/Time: 11/6/10

Date/Time: 11/6/10

Date/Time: 11/6/10

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AOK060447

North Canton Facility

Client MACTEL Project Honeywell By: [Signature]
 Cooler Received on 11/6/10 Opened on 11/6/10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
 If YES, Quantity 10 Quantity Unsalvageable 2
 Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
 Were custody seals on the bottle(s)? Yes No
 - If YES, are there any exceptions? _____
 2. Shippers' packing slip attached to the cooler(s)? Yes No
 3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
 4. Were the custody papers signed in the appropriate place? Yes No
 5. Packing material used: Bubble Wrap Foam None Other _____
 6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps
 METHOD: IR Other
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 7. Did all bottles arrive in good condition (Unbroken)? Yes No
 8. Could all bottle labels be reconciled with the COC? Yes No
 9. Were sample(s) at the correct pH upon receipt? Yes No NA
 10. Were correct bottle(s) used for the test(s) indicated? Yes No
 11. Were air bubbles >6 mm in any VOA vials? Yes No NA
 12. Sufficient quantity received to perform indicated analyses? Yes No
 13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No
- Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

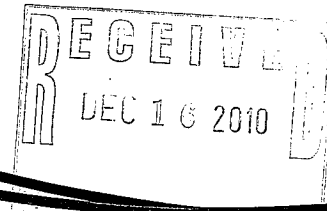
Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 051010-HNO₃; Sulfuric Acid Lot# 051010-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
EW-1	2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2	11/6/10	gm
EW-3	2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		
EW-4	2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		
EW-5	2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		
WBB-RWB-16	2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		

END OF REPORT



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 5310102011.6100.1

HONEYWELL SOUTH BEND

Lot #: AOK040486

Steven Murray

Mactec Engineering & Consultan
41 Hughes Drive
Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

Approved for release.
Mark J. Loeb
Project Manager II
11/29/2010 2:58 PM

Mark J. Loeb
Project Manager
mark.loeb@testamericainc.com

November 29, 2010

101129 TestAmerica (2) 11/29/2010



CASE NARRATIVE

A0K040486

The following report contains the analytical results for one water sample submitted to TestAmerica North Canton by MACTEC Engineering & Consulting, Inc. from the HONEYWELL SOUTH BEND Site, project number 5310102011.6100.1. The sample was received November 04, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Christopher J. Kapanowski, Nick Rogers, and Steven Murray on November 24, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.6°C.

See TestAmerica's Cooler Receipt Form for additional information.

GC/MS VOLATILES

The matrix spike(s) for RWB-23 1110 had recoveries outside acceptance limits. However, since the associated laboratory control sample(s) were in control, no corrective action was necessary.

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike (MS) samples in batch(es) 0313041.

PESTICIDES-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0311080.

The opening CCV passed average, but failed Heptachlor and DDD biased high. Since sample(s) RWB-23 1110 was non-detect, no corrective action was needed.

PCB-608

There were no client requested Matrix Spike (MS) samples in batch(es) 0311081.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The LCSD associated with batch(es) 0309070 for BOD sample(s) RWB-23 1110 had recoveries that were outside of method required recovery limits. Since the sample cannot be re-extracted within hold time, the data is reported.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals ICP-MS</u>	<u>Metals ICP Trace</u>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada (#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit

N:\QAQC\Customer Service\Narrative - Combined RCRA _CWA 032609.doc

EXECUTIVE SUMMARY - Detection Highlights

AOK040486

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
RWB-23 1110 11/03/10 13:00 001				
Copper	26.2	2.0	ug/L	MCAWW 200.8
Nickel	38.2	2.0	ug/L	MCAWW 200.8
Lead	32.5	1.0	ug/L	MCAWW 200.8
Zinc	188	10.0	ug/L	MCAWW 200.8
cis-1,2-Dichloroethene	460	10	ug/L	CFR136A 624
Benzene	18	10	ug/L	CFR136A 624
1,2-Dichloroethene (total)	470	20	ug/L	CFR136A 624
Toluene	10	10	ug/L	CFR136A 624
Trichloroethene	170	10	ug/L	CFR136A 624
Vinyl chloride	110	10	ug/L	CFR136A 624
Total Suspended Solids	14	4.0	mg/L	SM18 2540 D
Total phosphorus	0.12	0.10	mg/L	SM18 4500-P E
Nitrogen, as Ammonia	0.6	0.2	mg/L	SM18 4500NH3-F

ANALYTICAL METHODS SUMMARY

AOK040486

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids	CFR136A 625
Biochemical Oxygen Demand	SM18 5210 B
Dioxin Screen, Selective Ion Monitoring	CFR136A 625 SIM
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A SGT HEM
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Organochlorine Pesticides and PCBs	CFR136A 608
Purgeables	CFR136A 624
Total cyanide	SM18 4500-CN E
Total phosphorus	SM18 4500-P E
Total Suspended Solids	SM18 2540 D

References:

- CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

AOK040486

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT</u>	<u>SAMPLE ID</u>	<u>SAMPLED</u>	<u>SAMP</u>
				<u>DATE</u>	<u>TIME</u>
L9JL9	001	RWB-23	1110	11/03/10	13:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

GC/MS Volatiles

Lot-Sample #...: A0K040486-001 Work Order #...: L9JL91AT Matrix.....: WG
 Date Sampled...: 11/03/10 13:00 Date Received...: 11/04/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/09/10
 Prep Batch #...: 0315405
 Dilution Factor: 10 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
cis-1,2-Dichloroethene	460	10	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Benzene	18	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chlorodibromomethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
Dichlorobromomethane	ND	10	ug/L
1,1-Dichloroethane	ND	10	ug/L
1,2-Dichloroethane	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene	470	20	ug/L
(total)			
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
Ethylbenzene	ND	10	ug/L
Methylene chloride	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	10	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	170	10	ug/L
Vinyl chloride	110	10	ug/L
	PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
1,2-Dichloroethane-d4	100	(80 - 125)	
Toluene-d8	101	(84 - 110)	
Bromofluorobenzene	94	(81 - 112)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK040486-001 Work Order #....: L9JL91AU Matrix.....: WG
 Date Sampled....: 11/03/10 13:00 Date Received...: 11/04/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #....: 0313041
 Dilution Factor: 1 Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	10	ug/L
m-Cresol	ND	10	ug/L
p-Cresol	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzidine	ND	100	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

GC/MS Semivolatiles

Lot-Sample #...: AOK040486-001 Work Order #...: L9JL91AU Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
1,2-Diphenylhydrazine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	39	(10 - 135)
Phenol-d5	26	(10 - 132)
2,4,6-Tribromophenol	70	(10 - 142)
2-Fluorobiphenyl	60	(38 - 110)
Terphenyl-d14	83	(24 - 135)
Nitrobenzene-d5	58	(44 - 110)

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

GC/MS Semivolatiles

Lot-Sample #....: AOK040486-001 Work Order #....: L9JL91AV Matrix.....: WG
Date Sampled....: 11/03/10 13:00 Date Received...: 11/04/10
Prep Date.....: 11/09/10 Analysis Date...: 11/19/10
Prep Batch #....: 0313042
Dilution Factor: 1 Method.....: CFR136A 625 SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units

NOTE(S):

NEG Negative

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

GC Semivolatiles

Lot-Sample #...: AOK040486-001 Work Order #...: L9JL91AQ Matrix.....: WG
 Date Sampled...: 11/03/10 13:00 Date Received...: 11/04/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #...: 0311081
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	ug/L
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Tetrachloro-m-xylene	93	(15 - 131)	
Decachlorobiphenyl	65	(10 - 114)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

GC Semivolatiles

Lot-Sample #...: A0K040486-001 Work Order #...: L9JL91AR Matrix.....: WG
 Date Sampled...: 11/03/10 13:00 Date Received...: 11/04/10
 Prep Date.....: 11/08/10 Analysis Date...: 11/11/10
 Prep Batch #...: 0311080
 Dilution Factor: 1 Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aldrin	ND	0.050	ug/L
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Chlordane (technical)	ND	0.50	ug/L
4,4'-DDD	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	69	(10 - 151)	
Decachlorobiphenyl	71	(10 - 151)	

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

TOTAL Metals

Lot-Sample #...: AOK040486-001

Matrix.....: WG

Date Sampled...: 11/03/10 13:00 Date Received...: 11/04/10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 0309015						
Silver	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AA
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AC
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AK
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AD
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AE
		Dilution Factor: 1				
Copper	26.2	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AF
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/05-11/08/10	L9JL91AP
		Dilution Factor: 1				
Nickel	38.2	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AG
		Dilution Factor: 1				
Lead	32.5	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AH
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AM
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AN
		Dilution Factor: 1				
Zinc	188	10.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9JL91AJ
		Dilution Factor: 1				

MACTEC Engineering and Consulting Inc

Client Sample ID: RWB-23 1110

General Chemistry

Lot-Sample #....: AOK040486-001 Work Order #....: L9JL9 Matrix.....: WG
 Date Sampled....: 11/03/10 13:00 Date Received...: 11/04/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/11/10	0315336
		Dilution Factor: 1				
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/11/10	0315335
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/04-11/09/10	0309070
		Dilution Factor: 1				
Nitrogen, as Ammonia	0.6	0.2	mg/L	SM18 4500NH3-F	11/10/10	0314205
		Dilution Factor: 1				
Total phosphorus	0.12	0.10	mg/L	SM18 4500-P E	11/10/10	0314203
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	11/11/10	0315285
		Dilution Factor: 1				
Total Suspended Solids	14	4.0	mg/L	SM18 2540 D	11/05/10	0309099
		Dilution Factor: 1				

***QUALITY CONTROL
SECTION***

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: AOK040486
 MB Lot-Sample #: AOK110000-405

Work Order #...: L9XKT1AA

Matrix.....: WATER

Analysis Date...: 11/08/10
 Dilution Factor: 1

Prep Date.....: 11/08/10

Prep Batch #...: 0315405

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
Acrolein	ND	20	ug/L	CFR136A 624
Acrylonitrile	ND	20	ug/L	CFR136A 624
Benzene	ND	1.0	ug/L	CFR136A 624
Bromoform	ND	1.0	ug/L	CFR136A 624
Bromomethane	ND	1.0	ug/L	CFR136A 624
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 624
Chlorobenzene	ND	1.0	ug/L	CFR136A 624
Chlorodibromomethane	ND	1.0	ug/L	CFR136A 624
Chloroethane	ND	1.0	ug/L	CFR136A 624
Chloroform	ND	1.0	ug/L	CFR136A 624
Chloromethane	ND	1.0	ug/L	CFR136A 624
Dichlorobromomethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,2-Dichloroethene	ND	2.0	ug/L	CFR136A 624
(total)				
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 624
Ethylbenzene	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	98	(80 - 125)
Toluene-d8	99	(84 - 110)
Bromofluorobenzene	94	(81 - 112)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK040486
 MB Lot-Sample #: AOK090000-041

Work Order #...: L9P5H1AA

Matrix.....: WATER

Analysis Date...: 11/11/10
 Dilution Factor: 1

Prep Date.....: 11/09/10

Prep Batch #...: 0313041

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	10	ug/L	CFR136A 625
m-Cresol	ND	10	ug/L	CFR136A 625
p-Cresol	ND	10	ug/L	CFR136A 625
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)- ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	10	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK040486

Work Order #...: L9P5H1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta- diene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	10	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro- benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro- phenol	ND	10	ug/L	CFR136A 625

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	44	(10 - 135)
Phenol-d5	32	(10 - 132)
2,4,6-Tribromophenol	61	(10 - 142)
2-Fluorobiphenyl	61	(38 - 110)
Terphenyl-d14	95	(24 - 135)
Nitrobenzene-d5	64	(44 - 110)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: AOK040486
MB Lot-Sample #: AOK090000-042

Work Order #...: L9P5J1AA
Prep Date.....: 11/09/10
Prep Batch #...: 0313042

Matrix.....: WATER

Analysis Date...: 11/19/10
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD (Dioxin Screen)	NEG		No Units	CFR136A 625 SIM

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NEG Negative

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: AOK040486
 MB Lot-Sample #: AOK070000-080

Work Order #....: L9NPC1AA
 Prep Date.....: 11/08/10
 Prep Batch #....: 0311080

Matrix.....: WATER

Analysis Date...: 11/11/10
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.050	ug/L	CFR136A 608
4,4'-DDE	ND	0.050	ug/L	CFR136A 608
4,4'-DDT	ND	0.050	ug/L	CFR136A 608
Dieldrin	ND	0.050	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.050	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.050	ug/L	CFR136A 608
Endrin	ND	0.050	ug/L	CFR136A 608
Endrin aldehyde	ND	0.050	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	2.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	84	(10 - 151)
Decachlorobiphenyl	90	(10 - 151)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: AOK040486
 MB Lot-Sample #: AOK070000-081

Work Order #....: L9NPD1AA
 Prep Date.....: 11/08/10
 Prep Batch #....: 0311081

Matrix.....: WATER

Analysis Date...: 11/10/10
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	1.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	97	(15 - 131)
Decachlorobiphenyl	52	(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: AOK040486

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: AOK050000-015 Prep Batch #...: 0309015						
Antimony	ND	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1DE
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1C5
		Dilution Factor: 1				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1DD
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1C6
		Dilution Factor: 1				
Chromium	ND	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1C7
		Dilution Factor: 1				
Copper	ND	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1C8
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1DA
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	MCAWW 245.1	11/05-11/08/10	L9KXG1DH
		Dilution Factor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1C9
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1DF
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1C4
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1DG
		Dilution Factor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200.8	11/05-11/08/10	L9KXG1DC
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: AOK040486

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	PREP
		LIMIT	UNITS		ANALYSIS DATE	BATCH #
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/11/10	0315335
		Dilution Factor: 1				
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/11/10	0315336
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/04-11/09/10	0309070
		Dilution Factor: 1				
Nitrogen, as Ammonia	ND	0.2	mg/L	SM18 4500NH3-F	11/10/10	0314205
		Dilution Factor: 1				
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	11/10/10	0314203
		Dilution Factor: 1				
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	11/11/10	0315285
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	11/05/10	0309099
		Dilution Factor: 1				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: AOK040486 Work Order #....: L9XKT1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK110000-405
 Prep Date.....: 11/08/10 Analysis Date...: 11/08/10
 Prep Batch #....: 0315405
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
trans-1,2-Dichloroethene	116	(54 - 156)	CFR136A 624
Benzene	106	(37 - 151)	CFR136A 624
Bromoform	92	(45 - 169)	CFR136A 624
Bromomethane	97	(10 - 242)	CFR136A 624
Carbon tetrachloride	115	(70 - 140)	CFR136A 624
Chlorobenzene	98	(37 - 160)	CFR136A 624
Chlorodibromomethane	106	(53 - 149)	CFR136A 624
Chloroethane	111	(14 - 230)	CFR136A 624
Chloroform	108	(51 - 138)	CFR136A 624
Chloromethane	91	(10 - 273)	CFR136A 624
Dichlorobromomethane	110	(35 - 155)	CFR136A 624
1,1-Dichloroethane	110	(59 - 155)	CFR136A 624
1,2-Dichloroethane	100	(49 - 155)	CFR136A 624
1,1-Dichloroethene	126	(10 - 234)	CFR136A 624
1,2-Dichloropropane	103	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	104	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	111	(17 - 183)	CFR136A 624
Ethylbenzene	103	(37 - 162)	CFR136A 624
Methylene chloride	114	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	96	(46 - 157)	CFR136A 624
Tetrachloroethene	106	(64 - 148)	CFR136A 624
Toluene	106	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	122	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	103	(52 - 150)	CFR136A 624
Trichloroethene	108	(71 - 157)	CFR136A 624
Vinyl chloride	108	(10 - 251)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	97	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	98	(81 - 112)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0K040486 Work Order #...: L9XKT1AC Matrix.....: WATER
LCS Lot-Sample#: A0K110000-405

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: AOK040486 Work Order #...: L9P5H1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK090000-041
 Prep Date.....: 11/09/10 Analysis Date...: 11/11/10
 Prep Batch #...: 0313041
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	84	(54 - 110)	CFR136A 625
Acenaphthylene	85	(52 - 110)	CFR136A 625
Anthracene	87	(54 - 110)	CFR136A 625
Benzo(a)anthracene	86	(48 - 112)	CFR136A 625
Benzo(a)pyrene	79	(51 - 111)	CFR136A 625
Benzo(b)fluoranthene	91	(55 - 110)	CFR136A 625
Benzo(ghi)perylene	94	(45 - 113)	CFR136A 625
Benzo(k)fluoranthene	83	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl ether	87	(56 - 110)	CFR136A 625
Butyl benzyl phthalate	90	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy) methane	86	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	88	(63 - 115)	CFR136A 625
bis(2-Chloroisopropyl) ether	90	(55 - 120)	CFR136A 625
p-Chloro-m-cresol	86	(58 - 110)	CFR136A 625
2-Chloronaphthalene	82	(50 - 110)	CFR136A 625
2-Chlorophenol	82	(60 - 110)	CFR136A 625
4-Chlorophenyl phenyl ether	87	(57 - 110)	CFR136A 625
Chrysene	84	(53 - 118)	CFR136A 625
Dibenz(a,h)anthracene	90	(51 - 114)	CFR136A 625
Di-n-butyl phthalate	92	(49 - 110)	CFR136A 625
1,2-Dichlorobenzene	77	(38 - 110)	CFR136A 625
1,3-Dichlorobenzene	73	(33 - 110)	CFR136A 625
1,4-Dichlorobenzene	78	(35 - 110)	CFR136A 625
3,3'-Dichlorobenzidine	60	(19 - 110)	CFR136A 625
2,4-Dichlorophenol	85	(63 - 110)	CFR136A 625
Diethyl phthalate	88	(10 - 117)	CFR136A 625
2,4-Dimethylphenol	77	(10 - 115)	CFR136A 625
Dimethyl phthalate	81	(10 - 115)	CFR136A 625
4,6-Dinitro- 2-methylphenol	86	(10 - 138)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: AOK040486 Work Order #...: L9P5H1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK090000-041

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,4-Dinitrophenol	80	(10 - 135)	CFR136A 625
2,4-Dinitrotoluene	95	(55 - 112)	CFR136A 625
2,6-Dinitrotoluene	92	(63 - 117)	CFR136A 625
Di-n-octyl phthalate	88	(51 - 135)	CFR136A 625
bis(2-Ethylhexyl) phthalate	93	(50 - 134)	CFR136A 625
Fluoranthene	92	(55 - 112)	CFR136A 625
Fluorene	86	(55 - 110)	CFR136A 625
Hexachlorobenzene	86	(53 - 113)	CFR136A 625
Hexachlorobutadiene	70	(31 - 110)	CFR136A 625
Hexachloroethane	69	(26 - 110)	CFR136A 625
Indeno(1,2,3-cd)pyrene	92	(43 - 118)	CFR136A 625
Isophorone	85	(58 - 110)	CFR136A 625
Naphthalene	78	(48 - 111)	CFR136A 625
Nitrobenzene	84	(64 - 110)	CFR136A 625
2-Nitrophenol	88	(50 - 118)	CFR136A 625
4-Nitrophenol	48	(10 - 132)	CFR136A 625
N-Nitrosodi-n-propyl- amine	89	(57 - 110)	CFR136A 625
Pentachlorophenol	76	(10 - 131)	CFR136A 625
Phenanthrene	82	(54 - 110)	CFR136A 625
Phenol	43	(17 - 130)	CFR136A 625
Pyrene	84	(48 - 122)	CFR136A 625
1,2,4-Trichloro- benzene	72	(42 - 112)	CFR136A 625
2,4,6-Trichloro- phenol	84	(54 - 110)	CFR136A 625

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	63	(10 - 135)
Phenol-d5	43	(10 - 132)
2,4,6-Tribromophenol	93	(10 - 142)
2-Fluorobiphenyl	83	(38 - 110)
Terphenyl-d14	104	(24 - 135)
Nitrobenzene-d5	84	(44 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A0K040486 Work Order #...: L9P5H1AC Matrix.....: WATER
LCS Lot-Sample#: A0K090000-041

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: AOK040486 Work Order #....: L9NPC1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK070000-080
 Prep Date.....: 11/08/10 Analysis Date...: 11/12/10
 Prep Batch #....: 0311080
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aldrin	83	(42 - 122)	CFR136A 608
alpha-BHC	88	(37 - 134)	CFR136A 608
beta-BHC	92	(17 - 147)	CFR136A 608
delta-BHC	89	(19 - 140)	CFR136A 608
gamma-BHC (Lindane)	93	(32 - 127)	CFR136A 608
4,4'-DDD	99	(31 - 141)	CFR136A 608
4,4'-DDE	83	(30 - 145)	CFR136A 608
4,4'-DDT	96	(25 - 160)	CFR136A 608
Dieldrin	86	(36 - 146)	CFR136A 608
Endosulfan I	53	(45 - 153)	CFR136A 608
Endosulfan II	59	(10 - 202)	CFR136A 608
Endosulfan sulfate	92	(26 - 144)	CFR136A 608
Endrin	83	(30 - 147)	CFR136A 608
Heptachlor	95	(34 - 111)	CFR136A 608
Heptachlor epoxide	86	(37 - 142)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	90	(10 - 151)
Decachlorobiphenyl	39	(10 - 151)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: AOK040486 Work Order #....: L9NPD1AC Matrix.....: WATER
 LCS Lot-Sample#: AOK070000-081
 Prep Date.....: 11/08/10 Analysis Date...: 11/10/10
 Prep Batch #....: 0311081
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	80	(50 - 114)	CFR136A 608
Aroclor 1260	80	(8.0- 127)	CFR136A 608

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	74	(15 - 131)
Decachlorobiphenyl	32	(10 - 114)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: AOK040486

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
ICS Lot-Sample#: AOK050000-015 Prep Batch #...: 0309015					
Silver	101	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DN
		Dilution Factor: 1			
Arsenic	94	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DP
		Dilution Factor: 1			
Cadmium	98	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DQ
		Dilution Factor: 1			
Chromium	92	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DR
		Dilution Factor: 1			
Copper	101	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DT
		Dilution Factor: 1			
Nickel	98	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DU
		Dilution Factor: 1			
Lead	91	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DV
		Dilution Factor: 1			
Zinc	110	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DW
		Dilution Factor: 1			
Beryllium	98	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1DX
		Dilution Factor: 1			
Antimony	94	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1D0
		Dilution Factor: 1			
Selenium	95	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1D1
		Dilution Factor: 1			
Thallium	88	(85 - 115)	MCAWW 200.8	11/05-11/08/10	L9KXG1D2
		Dilution Factor: 1			
Mercury	100	(85 - 115)	MCAWW 245.1	11/05-11/08/10	L9KXG1D3
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: AOK040486

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material, SGT		WO#:L9W711AC-LCS/L9W711AD-LCSD LCS Lot-Sample#: AOK110000-335					
	86	(64 - 132)			CFR136A 1664A SGT	11/11/10	0315335
	89	(64 - 132)	3.7	(0-28)	CFR136A 1664A SGT	11/11/10	0315335
		Dilution Factor: 1					
n-Hexane Extractable Material		WO#:L9W721AC-LCS/L9W721AD-LCSD LCS Lot-Sample#: AOK110000-336					
	86	(78 - 114)			CFR136A 1664A HEM	11/11/10	0315336
	89	(78 - 114)	3.7	(0-11)	CFR136A 1664A HEM	11/11/10	0315336
		Dilution Factor: 1					
Biochemical Oxygen Demand (BOD)		WO#:L9P911AC-LCS/L9P911AD-LCSD LCS Lot-Sample#: AOK050000-070					
	86	(85 - 115)			SM18 5210 B	11/04-11/09/10	0309070
	74 N	(85 - 115)	15	(0-20)	SM18 5210 B	11/04-11/09/10	0309070
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: AOK040486

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	98	Work Order #: L9TW31AC (85 - 114)	LCS Lot-Sample#: AOK100000-205 SM18 4500NH3-F	11/10/10	0314205
		Dilution Factor: 1			
Total phosphorus	101	Work Order #: L9TQQ1AC (53 - 134)	LCS Lot-Sample#: AOK100000-203 SM18 4500-P E	11/10/10	0314203
		Dilution Factor: 1			
Total Cyanide	79	Work Order #: L9WPH1AC (69 - 118)	LCS Lot-Sample#: AOK110000-285 SM18 4500-CN E	11/11-11/11/10	0315285
		Dilution Factor: 1			
Total Suspended Solids	96	Work Order #: L9K2Q1AC (73 - 113)	LCS Lot-Sample#: AOK050000-099 SM18 2540 D	11/05/10	0309099
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: AOK040486 Work Order #...: L9JL91A5 Matrix.....: WG
 MS Lot-Sample #: AOK040486-001
 Date Sampled...: 11/03/10 13:00 Date Received...: 11/04/10
 Prep Date.....: 11/09/10 Analysis Date...: 11/09/10
 Prep Batch #...: 0315405
 Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
trans-1,2-Dichloroethene	106	(85 - 116)	CFR136A 624
Benzene	96	(90 - 114)	CFR136A 624
Bromoform	78	(40 - 141)	CFR136A 624
Bromomethane	88	(42 - 160)	CFR136A 624
Carbon tetrachloride	94	(61 - 129)	CFR136A 624
Chlorobenzene	87 a	(90 - 113)	CFR136A 624
Chlorodibromomethane	90	(65 - 123)	CFR136A 624
Chloroethane	111	(56 - 133)	CFR136A 624
Chloroform	102	(90 - 118)	CFR136A 624
Chloromethane	78	(37 - 127)	CFR136A 624
Dichlorobromomethane	99	(78 - 123)	CFR136A 624
1,1-Dichloroethane	101	(90 - 114)	CFR136A 624
1,2-Dichloroethane	93	(90 - 123)	CFR136A 624
1,1-Dichloroethene	114	(83 - 129)	CFR136A 624
1,2-Dichloropropane	95	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	82	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	83	(71 - 114)	CFR136A 624
Ethylbenzene	88	(88 - 111)	CFR136A 624
Methylene chloride	103	(78 - 131)	CFR136A 624
1,1,2,2-Tetrachloroethane	95	(77 - 133)	CFR136A 624
Tetrachloroethene	90	(81 - 112)	CFR136A 624
Toluene	94	(87 - 112)	CFR136A 624
1,1,1-Trichloroethane	112	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	103	(89 - 123)	CFR136A 624
Trichloroethene	90	(85 - 114)	CFR136A 624
Vinyl chloride	96	(50 - 119)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	95	(81 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: AOK040486

Matrix.....: WATER

Date Sampled...: 11/01/10 15:50 Date Received...: 11/04/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: AOK040537-001 Prep Batch #...: 0309015							
Antimony	101	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1E8
	102	(70 - 130)	1.2	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1E9
			Dilution Factor: 1				
Arsenic	98	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1EF
	100	(70 - 130)	2.6	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1EG
			Dilution Factor: 1				
Beryllium	101	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1E5
	103	(70 - 130)	2.0	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1E6
			Dilution Factor: 1				
Cadmium	102	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1EJ
	102	(70 - 130)	0.0	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1EK
			Dilution Factor: 1				
Chromium	97	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1EM
	97	(70 - 130)	0.20	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1EN
			Dilution Factor: 1				
Copper	98	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1EQ
	102	(70 - 130)	3.8	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1ER
			Dilution Factor: 1				
Lead	100	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1EX
	100	(70 - 130)	0.46	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1EO
			Dilution Factor: 1				
Mercury	96	(69 - 134)			MCAWW 245.1	11/05-11/08/10	L9JOP1FJ
	94	(69 - 134)	1.9	(0-20)	MCAWW 245.1	11/05-11/08/10	L9JOP1FK
			Dilution Factor: 1				
Nickel	99	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1EU
	103	(70 - 130)	3.5	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1EV
			Dilution Factor: 1				
Selenium	97	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9JOP1FC
	100	(70 - 130)	3.2	(0-20)	MCAWW 200.8	11/05-11/08/10	L9JOP1FD
			Dilution Factor: 1				

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: AOK040486

Matrix.....: WATER

Date Sampled...: 11/01/10 15:50 Date Received...: 11/04/10

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Silver	101	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9J0P1EC
	104	(70 - 130)	2.2	(0-20)	MCAWW 200.8	11/05-11/08/10	L9J0P1ED
Dilution Factor: 1							
Thallium	97	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9J0P1FF
	97	(70 - 130)	0.27	(0-20)	MCAWW 200.8	11/05-11/08/10	L9J0P1FG
Dilution Factor: 1							
Zinc	104	(70 - 130)			MCAWW 200.8	11/05-11/08/10	L9J0P1E2
	106	(70 - 130)	2.2	(0-20)	MCAWW 200.8	11/05-11/08/10	L9J0P1E3
Dilution Factor: 1							

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: AOK040486

Matrix.....: WATER

Date Sampled...: 10/29/10 15:15 Date Received...: 10/30/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#:	L9D3Q1AQ-MS/L9D3Q1AR-MSD	MS	Lot-Sample #:	AOK010453-001
	50	(42 - 140)			SM18 4500-CN E	11/11/10	0315284
	51	(42 - 140)	1.7	(0-20)	SM18 4500-CN E	11/11/10	0315284
			Dilution Factor: 1				
Nitrogen, as Ammonia			WO#:	L9HA11AJ-MS/L9HA11AK-MSD	MS	Lot-Sample #:	AOK030537-001
	95	(75 - 125)			SM18 4500NH3-F	11/10/10	0314205
	94	(75 - 125)	1.2	(0-20)	SM18 4500NH3-F	11/10/10	0314205
			Dilution Factor: 1				
Total phosphorus			WO#:	L9K681A5-MS/L9K681A6-MSD	MS	Lot-Sample #:	AOK050414-002
	109	(10 - 199)			SM18 4500-P E	11/10/10	0314203
	113	(10 - 199)	3.6	(0-46)	SM18 4500-P E	11/10/10	0314203
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: KOL040486

Client Mactec Project _____ By: [Signature]

Cooler Received on 11/4/10 Opened on 11/4/10 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # 241-1060 Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
 If YES, Quantity 1 Quantity Unsalvageable _____

Were custody seals on the outside of cooler(s) signed and dated? Yes No NA

Were custody seals on the bottle(s)? Yes No

If YES, are there any exceptions? _____

2. Shippers' packing slip attached to the cooler(s)? Yes No

3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No

4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other _____

6. Cooler temperature upon receipt 1.6 °C See back of form for multiple coolers/temps

METHOD: IR Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were sample(s) at the correct pH upon receipt? Yes No NA

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Were air bubbles >6 mm in any VOA vials? Yes No NA

12. Sufficient quantity received to perform indicated analyses? Yes No

13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

logged metals per email & pm

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample _____

Receiving to meet recommended pH level(s). Nitric Acid Lot# 051010-HNO₃; Sulfuric Acid Lot# 051010-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
RWB	22222222 712	11/4/10	CSL

END OF REPORT