2010 ANNUAL GROUNDWATER MONITORING REPORT

HONEYWELL INDUSTRIAL COMPLEX SOUTH BEND, INDIANA VRP# 6980601

Prepared for:



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

MARCH 2011

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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 semiannually 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

May 2010	D5
	S17
	S20
	7D
	MW_{-1}

November 2010	D12
	S 3
	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 (µg/l) (for cis-1,2-dichloroethene [cis-1,2-DCE] at monitoring well S-17 – November event) to 3,500 µg/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 μ g/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 μ g/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 μ g/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 μ g/l (for cis-1,2-DCE at monitoring wells 2D – May event) to 21 μ g/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 μ g/l and 2.9 μ g/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 $83~\mu g/l$. 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 μ g/l (for trans-1,2-DCE at recovery well E3A – November event) to 460 μ g/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 μ g/l (for TCE at recovery well EW-4 – November event) to 240 μ g/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 μ g/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 Depth	Date of	Measuring Point Elevation	Depth to Water	Change in Water Elevation	Water Elevation
Well No.	(feet)	Measurement	(feet)	(feet)	(feet)	(feet)
	nitoring Well					
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

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
IVIVV-1	25.5	11/1/2010	720.88	17.13	-0.15	704.30
MW-2	15.4	5/3/2010 11/1/2010	713.93 713.93	11.19 11.62	-0.09 -0.43	702.74 702.31
MW-3	17.2	5/3/2010 11/1/2010	713.10 713.10	13.25 13.54	-0.05 -0.29	699.85 699.56
MW-4	21.0	5/3/2010 11/1/2010	712.66 712.66	15.42 15.75	0.05 -0.33	697.24 696.91
AA)A/ 5	00.0	F /0 /00 4 0	710.01	45.00	0.05	007.00
MW-5	20.8	5/3/2010 11/1/2010	713.21 713.21	15.92 16.30	-0.05 -0.38	697.29 696.91
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

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

	Well Depth	Date of	Measuring Point Elevation	Depth to Water	Change in Water Elevation	Water Elevation
Well No.	(feet)	Measurement	(feet)	(feet)	(feet)	(feet)
MW-14	25.0	5/3/2010 11/1/2010	712.63 712.63	14.71 14.36	0.19 0.35	697.92 698.27
MW-15	24.8	5/3/2010 11/1/2010	712.72 712.72	14.82 15.51	0.20 -0.69	697.90 697.21
OW-1	37.4	5/3/2010 11/1/2010	711.48 711.48	13.81 14.38	0.10 -0.57	697.67 697.10
OW-2	35.0	5/3/2010 11/1/2010	711.45 711.45	13.87 14.45	0.11 -0.58	697.58 697.00
S1	35.6	5/3/2010 11/1/2010	728.09 728.09	22.87 23.37	-0.27 -0.50	705.22 704.72
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 11/1/2010	711.37 711.37	12.24 12.71	0.11 -0.47	699.13 698.66
S5	33.0	5/3/2010 11/1/2010	712.83 712.83	13.90 13.72	-0.86 0.18	698.93 699.11
S6	32.4	5/3/2010 11/1/2010	716.91 716.91	19.31 19.78	0.01 -0.47	697.60 697.13
S8	22.6	5/3/2010	714.65	18.16	0.03	696.49
30	22.0	11/1/2010	714.65	18.55	-0.39	696.10
S9	21.1	5/3/2010 11/1/2010	714.17 714.17	16.77 17.33	0.22 -0.56	697.40 696.84

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

	Well Depth	Date of	Measuring Point Elevation	Depth to Water	Change in Water Elevation	Water Elevation
Well No.	(feet)	Measurement	(feet)	(feet)	(feet)	(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

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
ntermediat	e 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 Monit	oring 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

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

	Well Depth	Date of	Measuring Point Elevation	Depth to Water	Change in Water Elevation	Water Elevation
Well No.	(feet)	Measurement	(feet)	(feet)	(feet)	(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 VI	Vells					
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

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 Sy:			(1000)	(1001)	(1.00.)	(1001)
E3	36.0	5/3/2010 11/1/2010	714.50 714.50	21.10 21.22	-0.56 -0.12	693.40 693.28
		11/1/2010	714.50	21.22	-0.12	033.20
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 Systen	n:					
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

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
Shallow Monitorin		210111	270.11	270111	270	motriou
7-25	26.6		Х		Х	Peristaltic
86-2	28.3		^		^	renstatio
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		^		^	renstante
86-12	25.4					
86-13	28.8		v		v	D : W
86-15	25.3		X		Х	Peristaltic
86-19	28.1					
9-33	27.3					
MVV-1	25.3					
MW-2	15.4		X		X	Peristaltic
MW-3	17.2					
MW-4	21.0		X		Х	Peristaltic
MW-5	20.8		X		Х	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		Х		Х	Peristaltic
MW-14	25.0					
MW-15	24.8					
OW-1	37.4					
OW-2	35.0					
S1	35.6					
S3	24.6		X		х	Peristaltic/Disp. Bailer
S4A	31.6		X		X	Peristaltic
S5	33.0					
S6	32.4					
S8	22.6					
S9	21.1		X		Х	Peristaltic/Disp. Bailer
S12	30.0					1 Griotalito Biop. Ballot
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					i enstatto/Disp. Dallet
S19	36.4					
\$19 \$20			v		v	Parietaltia/Dian Balla
	18.8		X		X	Peristaltic/Disp. Bailer
S21	23.4		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		Х	Peristaltic
S27	27.9		X		Х	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 Depth	March	May	September	November	Sampling
Well No.	(feet)	Event	Event	Event	Event	Method
Intermediate Moni	toring Wells (50 -	75 feet)				
7-50	50.0		Х		Х	Peristaltic
8D	59.5					
D8	61.9		X		X	Disposable Bailer
	47.6					
Deep Monitoring V	Nells (75 - 210 fee	et)				
D3	133.1					
D4	118.6		X		X	Disposable Bailer
D5	186.8		X		Х	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 Syste	m:					
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	Х	x	x	x	Composite Jug/Spigot
RWB6	29.4					
RWB16	23.6	Х	Х	X	Х	Composite Jug/Spigot
RWB21	29.5		••		••	2 posito 049, o pigot
RWB22	NM					
RWB23	49.8	X	Х	X	X	Composite Jug/Spiget
VOC System:	-10.0	^	^	Λ	^	Composite Jug/Spigot
EW-1	56.3	X	Х	X	Х	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	Х	Composite Jug/Spigot
EW-5	57.0	X	Х	X	Х	Composite Jug/Spigot

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

	Sample	Analytical	Analytical	Container and		
Event (Month)	Description	Parameters	Methods	Preservative Requirements		
1 st 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/H2S04		
	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,	SW-846 200.8, 245.1	·		
		Pb, Sb, Se, Tl, Zn), Total *	-	(1) 500 ml plastic bottle w/HNO3		
2 nd Semi-Annual (Nove	nd 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,	SW-846 200.8, 245.1			
		Pb, Sb, Se, Tl, Zn), Total *		(1) 500 ml plastic bottle w/HNO3		

Notes: 1. * - Required by Wastewater Discharge Permit.

- 2. 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.
- 4. 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.

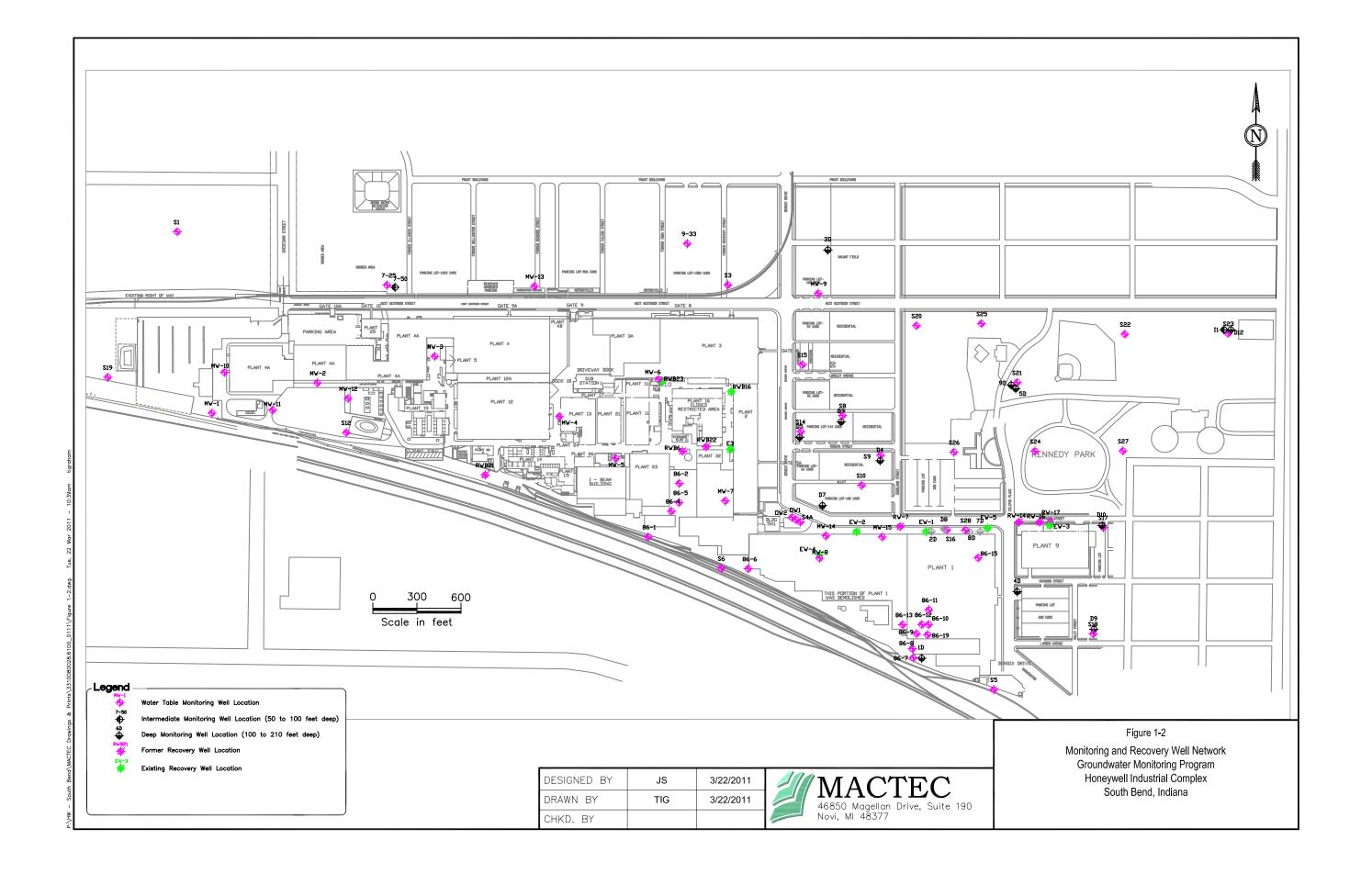
FIGURES

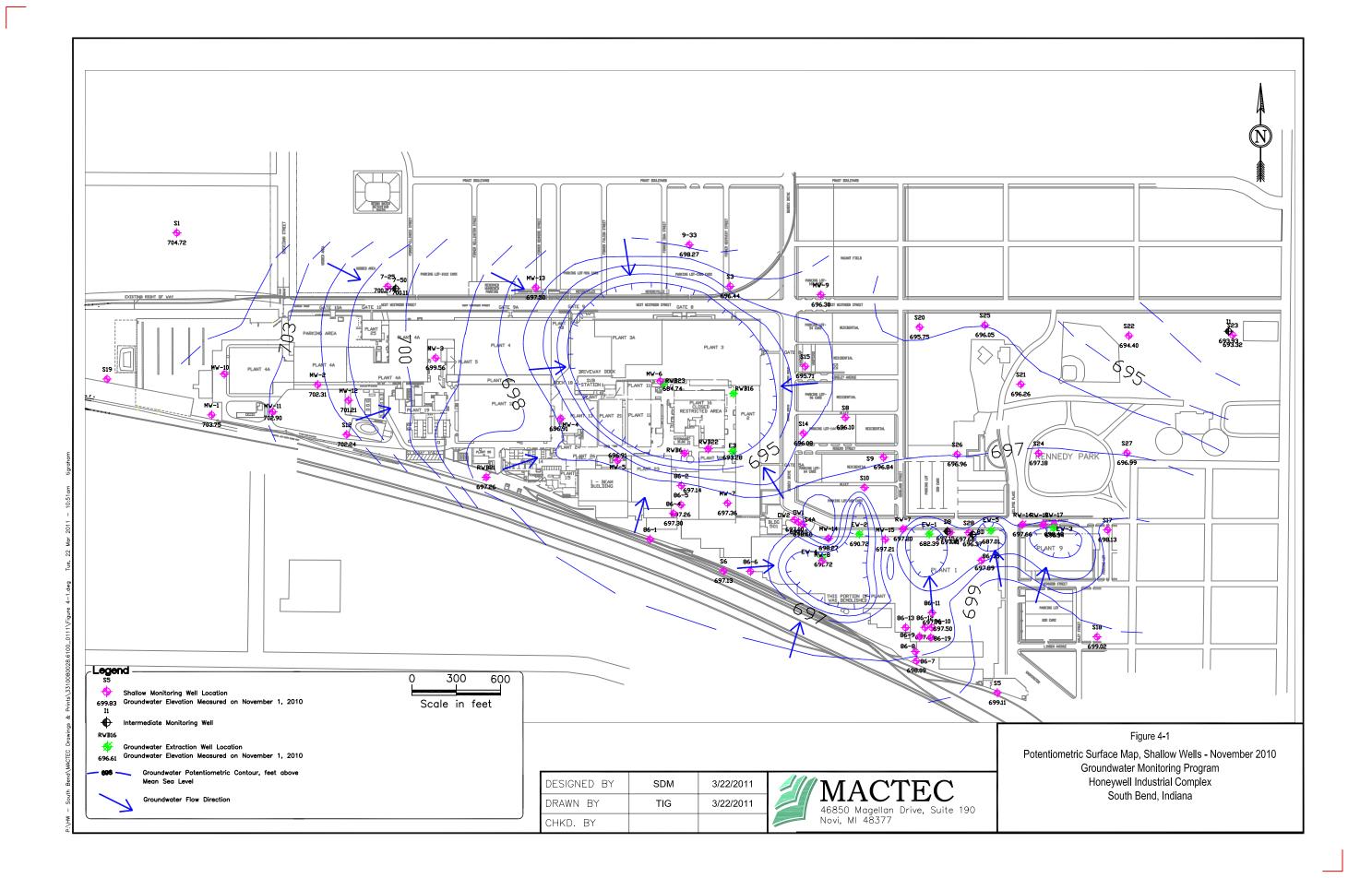


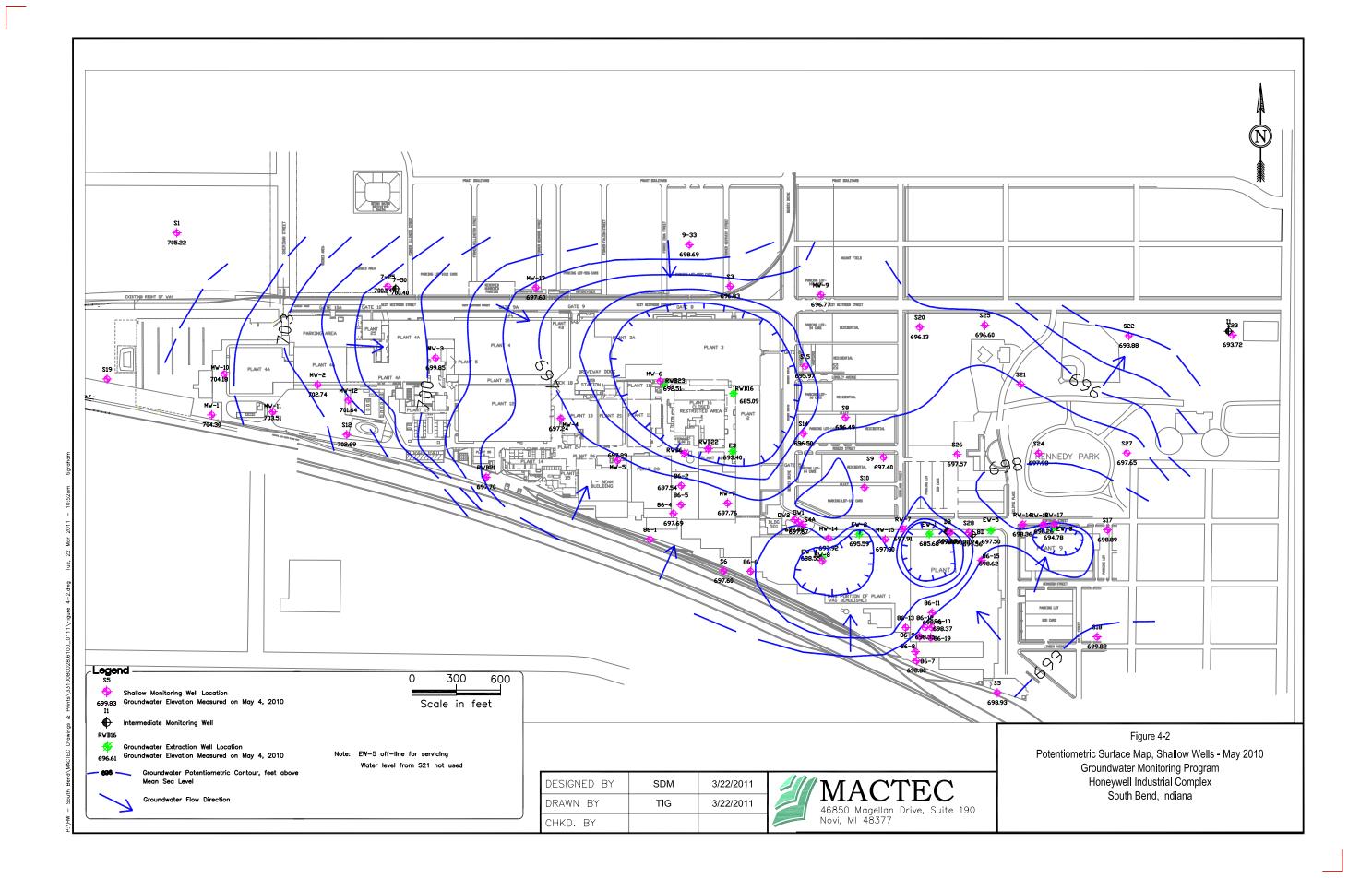


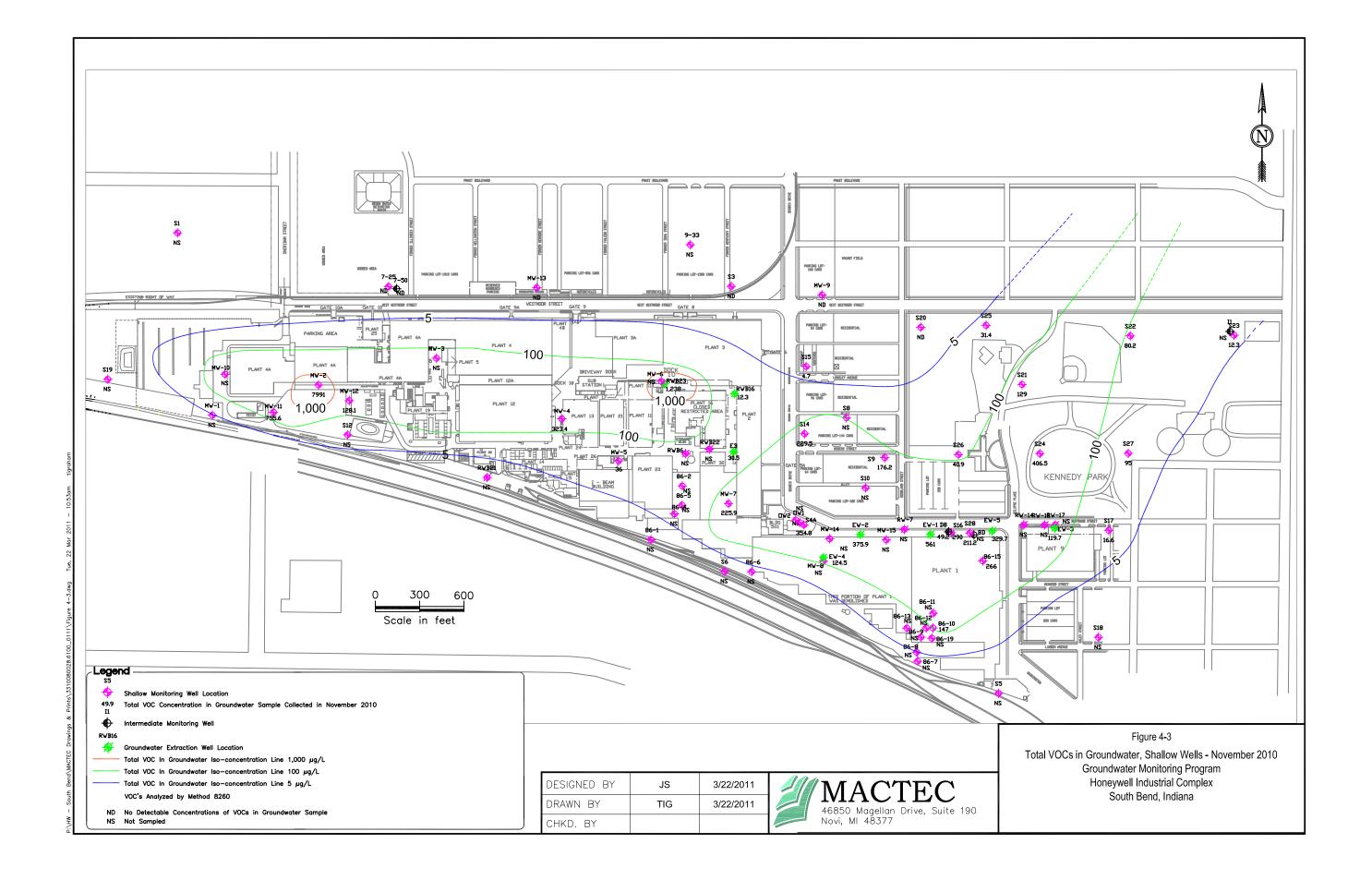
Taken from the South Bend, Indiana 7.5 Series U.S.G.S. Topographic Quadrangle Map

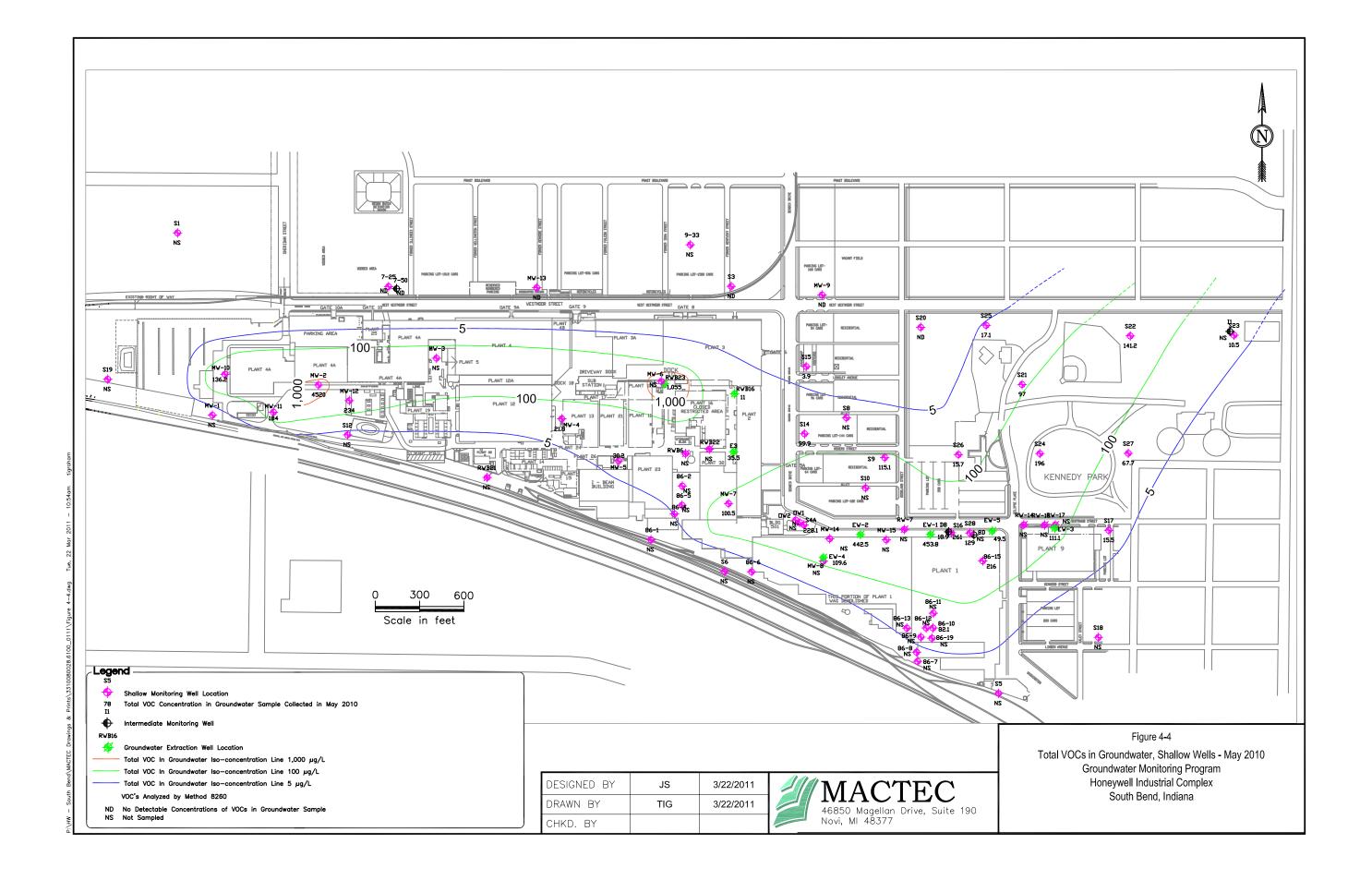
Site Location Map Groundwater Monitoring Program Honeywell Industrial Complex South Bend, Indiana

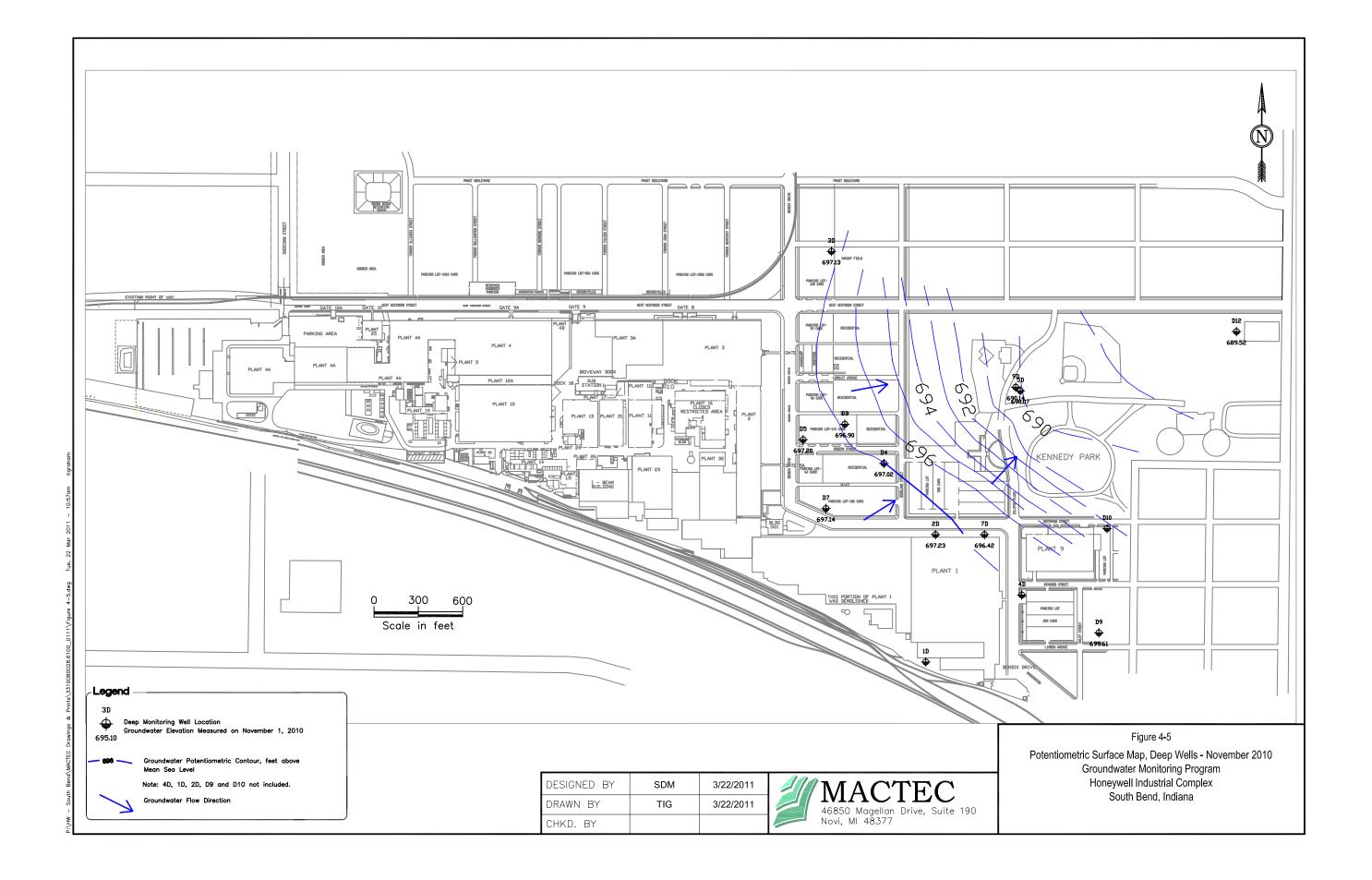


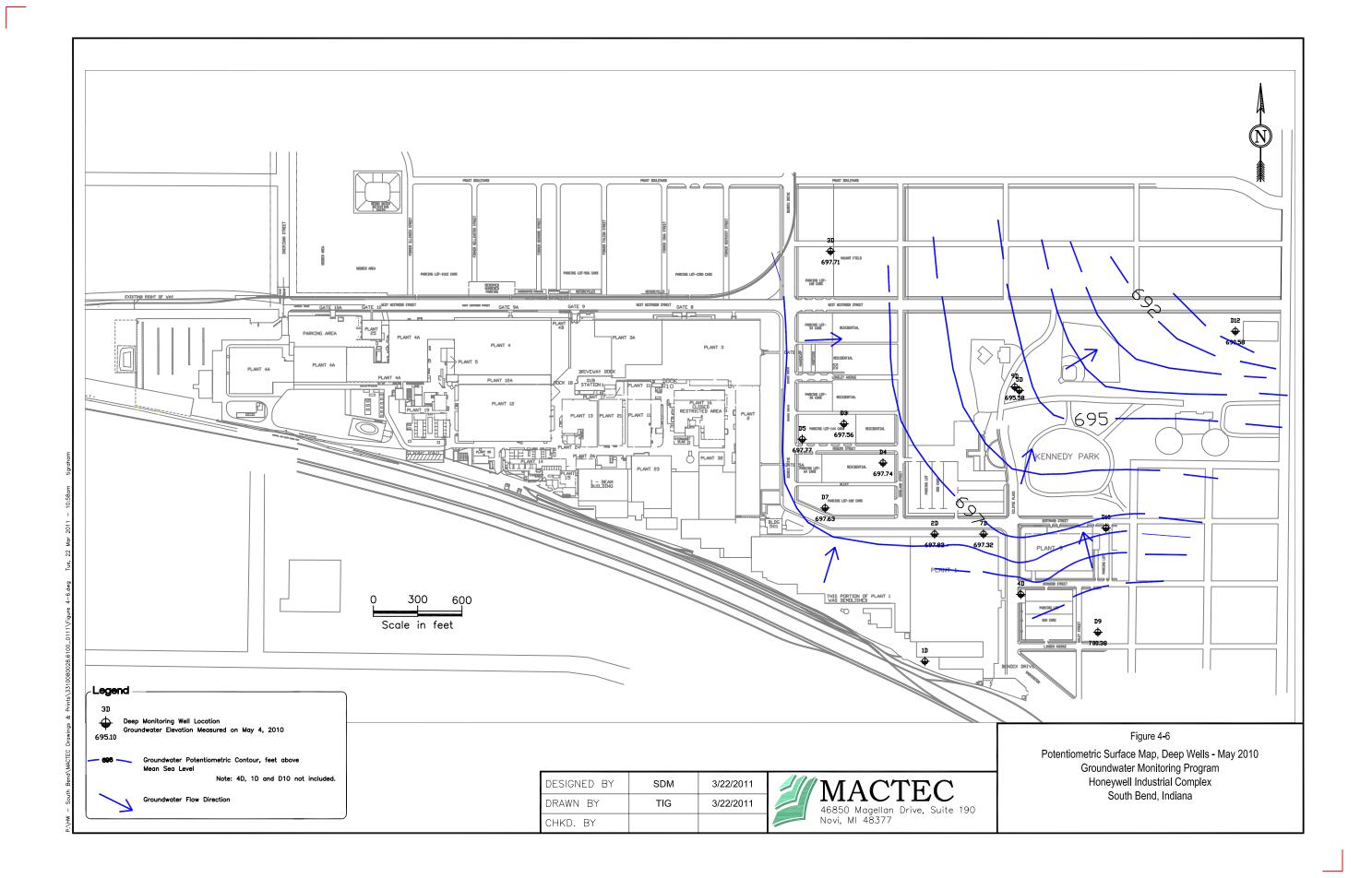


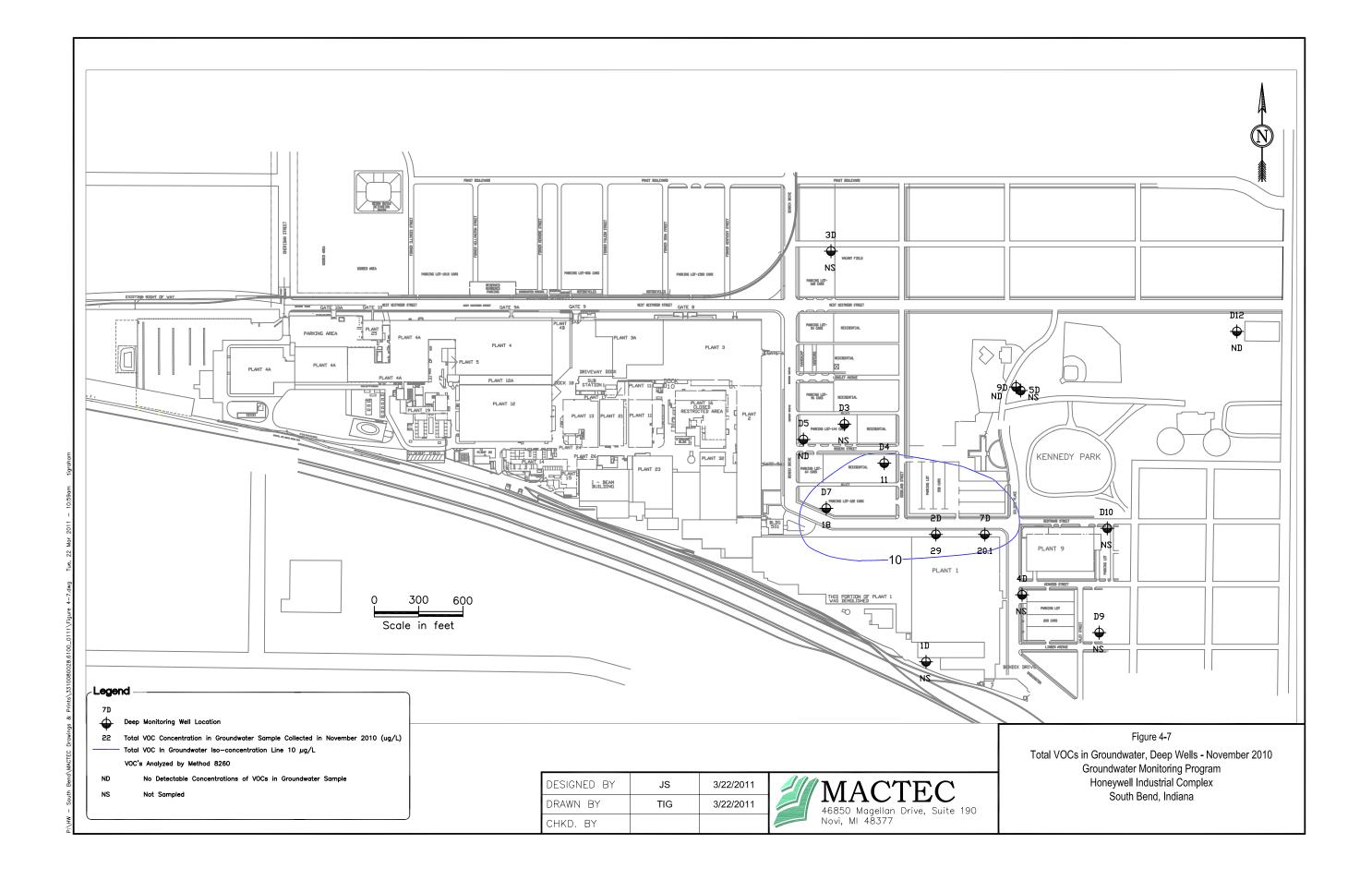


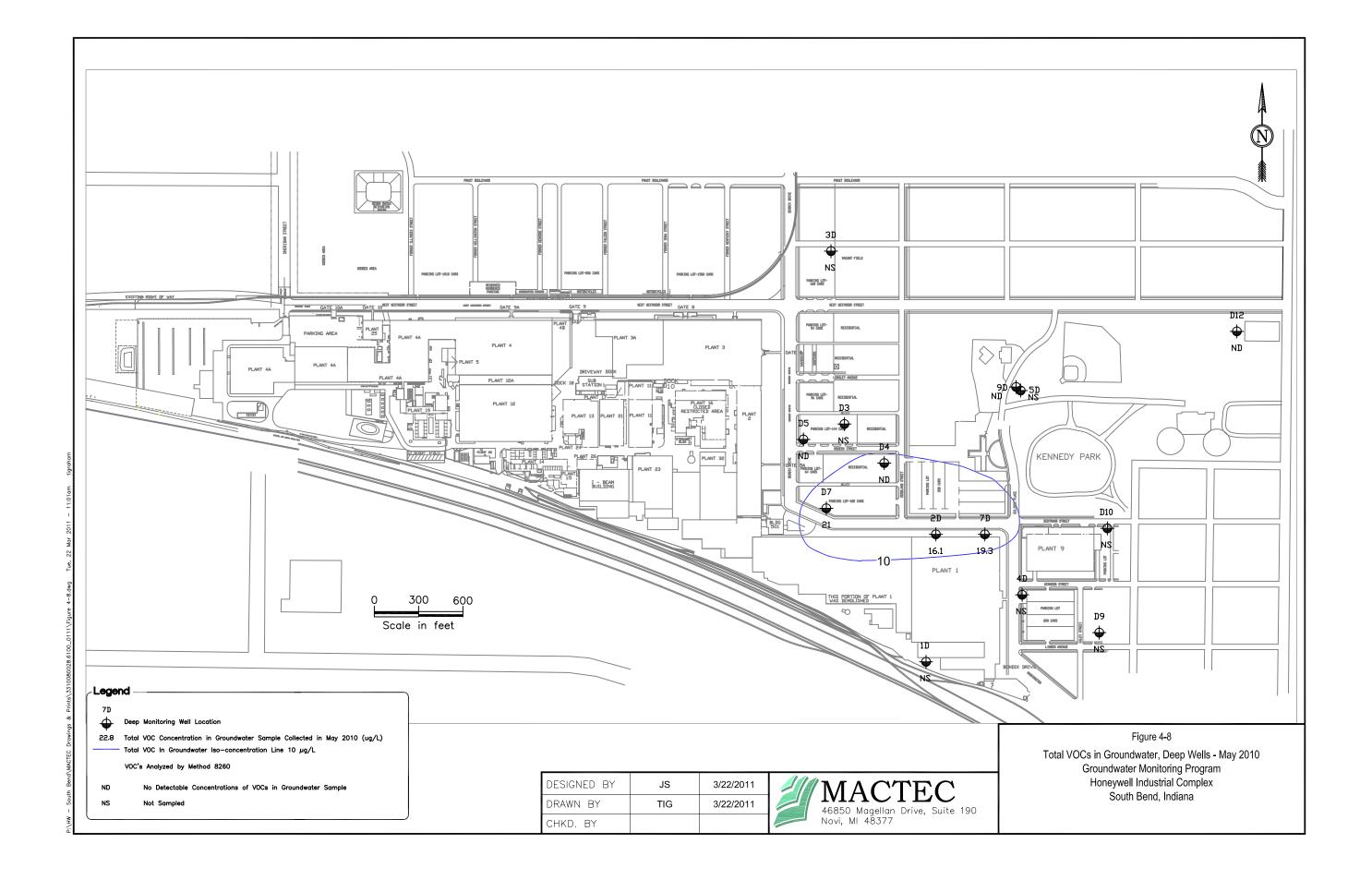












APPENDIX A

GROUNDWATER SAMPLING RECORDS



 Sample No.:
 S3
 05 10

 Sample Date:
 05-May-10

Sample Time: 12:15

			·				<u> </u>		
SITE/SAMPLE LOC	ATION								
Site Name:	DAMA/	Honey	well South Bend	<u>i</u>			Project No.:	3310	090039
Personnel Present:	BMW					40.00			
Activity Start:	11:50 oudy,60's			A	ctivity End: _	12:26			
Well Type and Local		4" stickup by train	n tracks						
WATER LEVEL/WE									
Well Depth: 24.		using		Water Depth:	19.82		feet using	×.5	
(from top of well			ng device)		(from top of v	vell casing			uring device)
Historical Well Deptl		feet	Protective Ca		, ,	feet	Protect. Ca	•	,
	om ground s		Trotcoave Oa	•	/e-ground sui			oifference:	feet
Floating Product Thi	ckness:	•	feet using	,	•			_	
			·			(measurir	ng device)		·····
Well Condition:		good							
Measuring Device D	econtamin	ation Procedure:	Alconox	& DI Rinse					
Pl Meter ID: na		A	mbient Air: na		ppm		Well Mouth:	na	ppm
PURGING PROCEL	URES								
Height of Water		.041 gal/ft (1 in)		(4),					
Column feet		.09 gal/ft (1.5 in)							
		.16 gal/ft (2 in)	X	3	casing v	volumes =	= 9.4	gallons to p	ourge
	X	∫.65 gal/ft (4 in)	<i>3.1</i>						
4.78		2.6 gal/ft (8 in)							
Purge Method:	Disnos	able bailer					,		
r arge meatou.	Diopoo.	ubic banci							
D \/-L (B)			0.00		4.60		7.50		0.22
Purge Vol. (gal)			2.33		4.60		7.50 12:08		9.32
Time (Min.)			12:01 13.52		12:05 13.49		13.44		12:10 13.41
Temperature (C°)			7.61		7.50		7.44		7.44
pH (Units) Conductivity at 25°C	(mS/om)		0.81		0.85		0.85		0.86
ORP (mV)	(IIIO/CIII)		12.00		-1.00		-9.00		-8.00
Turb (NTU)			29.50		61.65		53.63		56.91
DO (%)			1.97	<u> </u>	2.92		3.32		3.56
					2.02		0.02	·	0.00
Total Volume Purge	d		10.0	0 gallons					
Water Appearance	describe color,	, clarity odor:)	slightly cl	oudy					
SAMPLING PROCE	and and other comments and advantage of		2500000	2.3					
Sampling Proc	edure:	peristaltic							
Sample Water	Annogran	ce (color, clarity, c	odor):	slightly cloud	dv				
	. ,			Silgritiy Gou	uy	material de la company de	25.7.65.7.26.24.00.00.00	S GASCONICO SINOS CARROS CON	2275E38C331665256645384
ANALYTICAL PAR	AMETERS	Contract of the contract of th	of Bottles			Preserv	estive/	Field	Cool
Analysis	Meti		ıme, Type	Bottle Lo	nt	Volui		Filtered?	to 4°C?
VOC	8260B		40 ml VOA	Domo L	. .	HCI		N	Y
D. Metals	6020B		500 ml Poly			HNC		Y	Y
T. Phenois	420.1		250 ml Amber			H2S0		N	Υ
T. Cyanide	9012A		250 ml Poly			NaO	 	N	Y
						1			
OTHER OBSERVA	TIONS								
- UDSERVA	IIONS			NAME (Prin	ı + \	Brent Wh	eat		
				INCINIE (LIIII	·· <i>y</i>	PIGUIT AALI	- Cal		
				SIGNATUR	E: _				
AI-4 (41 P-				E 11 1 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 3310090039 Honeywell South Bend Project No.: Site Name: 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 Water Depth: feet using 31.60 feet using 12.24 Well Depth: (from top of well casing) (measuring device) (measuring device) (from top of well casing) Protective Casing Stickup: Protect. Casing Well Historical Well Depth: feet feet (for above-ground surface) (from ground surface) Casing Difference: feet Floating Product Thickness: feet using (measuring device) OK - Vault concrete falling apart Well Condition: Measuring Device Decontamination Procedure: Alconox & DI Rinse Ambient Air: na Well Mouth: PI Meter ID: ppm ppm **PURGING PROCEDURES** Height of Water .041 gal/ft (1 in) Х .09 gal/ft (1.5 in) Column feet .16 gal/ft (2 in) 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 2.60 5.23 Purge Vol. (gal) 1.30 3.90 16:07 16:17 16:23 16:29 Time (Min.) Temperature (C°) 15.59 15.64 15.62 15.61 7.15 7.14 pH (Units) 7.16 7.14 Conductivity at 25°C (mS/cm) 0.79 0.79 0.78 0.79 -90.00 ORP (mV) -77.00 -86.00 -88.00 32.31 44.04 40.87 34.01 Turb (NTU) 0.03 -0.01 -0.01 -0.03 DO (%) 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 Field Cool Preservative/ No. of Bottles **Bottle Lot** Volume Filtered? to 4°C? Volume, Type Analysis Method VOC 8260B 3 40 ml VOA HCL/ N γ 1 500 ml Poly HNO3/ D. Metals 6020B H2SO4/ N T. Phenols 420.1 1 250 ml Amber NaOH/ N T. Cyanide 9012A 1 250 ml Poly OTHER OBSERVATIONS NAME (Print) Brent Wheat SIGNATURE:

Described whether well was locked and the condition of the protective casing and concrete collar.

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

						Oample Time.		<u> </u>
SITE/SAMPLE LOCAT	70N						and the second second second	
Site Name:		Honey	well South Bend	d		Project No.:	33	10090039
Personnel Present:	BMW							
	0:40				ctivity End: ####	<u> </u>		
Weather: sunny		411 42 1 1 1						
Well Type and Location	· · · · · · · · · · · · · · · · · · ·	4" stickup in park						
WATER LEVEL/WELL	DATA		gengeral variety expects from Franklight factors value in property.	and an experience of the second of the secon				
Well Depth: 21.10		using		Water Depth:	16.77	feet using		
(from top of well cas	sing)	(measuring device)			(from top of well ca	ising)	(me	asuring device)
Historical Well Depth:		feet	Protective Ca	asing Stickup:	feet	Protect. Ca	asing Well	
(from	ground su	rface)		(for abo	ve-ground surface)	Casing [Difference:	feet
Floating Product Thickn	iess:		feet using					77
			(measurin	g device)				
Well Condition:		good						
Measuring Device Deco	ontamina			& DI Rinse				
PI Meter ID: na		A	mbient Air: <u>na</u>		ppm	Well Mouth:	na	ppm
PURGING PROCEDU	RES							
Height of Water		.041 gal/ft (1 in)			a andre a como esta a como esta a como en antico esta a como en antico esta a como esta a como esta a como esta	***************************************		
Column feet		.09 gal/ft (1.5 in)						
		.16 gal/ft (2 in)	Х	3	casing volur	nes = 8.5	gallons to	purge
	Х	.65 gal/ft (4 in)	2.8					
4.33		2.61 gal/ft (8 in)	1	•				
	D:							
Purge Method:	Disposa	ble bailer	.					
Purge Vol. (gal)			2.20		4.40	6.60		8.40
Time (Min.)			11:08		11:11	11:14		11:17
Temperature (C°)			13.97		13.87	13.79		13.89
pH (Units)			7.02		6.96	6.94		6.93
Conductivity at 25°C (m	S/cm)	•	1.23		1.27	1.28	-	1.28
ORP (mV)			-25.00		-23.00	-19.00		-13.00
Turb (NTÚ)			48.92		42.91	37.07		33.08
DO (%)			0.26		0.36	0.40		0.41
		,					- —	
Total Volume Purged			8.5	<u>50</u> gallons				
Water Appearance (desc	ribe color, o	clarity odor:)	cloudy/or	ange with floa	ties			
SAMPLING PROCEDU	IRES							
Sampling Procedu	ure:	peristaltic						
Sample Water Ap	pearanc	e (color, clarity, o	dor):	clear				
ANALYTICAL PARAM	ETERS							
		No. of Bo	ttles		Preserva		Field	Cool
Analysis	Method	Volume, T	• •	Bottle Lot	Volum			to 4°C?
VOC_	8260B		40 ml VOA			HCL/	<u>N</u>	Y Y
D. Metals	6020B		500 ml Poly			HNO3/	Y	Y
T. Phenols	420.1		250 ml Amber			12SO4/	N	Y Y
T. Cyanide	9012A	1	250 ml Poly	 		NaOH/	N	r
			 -					
OTHER OBSERVATIO	NS							_
-				NAME (Prir	nt) Bren	t Wheat		

SIGNATURE:

(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.



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

Sample Time: 10:25

SITE/SAMPLE LOCATION Site Name: Hone Personnel Present: BMW	ywell South Bend	and the second s		Project No.:	3310090039
Activity Start: 9:55		Activity	End: 10:37		
Weather: sunny,60's					
Well Type and Location: 4" stickup in par	king area				
WATER LEVEL/WELL DATA					
Well Depth: 20.20 feet using	V	and the second s	15.36	feet using	
(from top of well casing) (measuring device			op of well casing)		(measuring device)
Historical Well Depth: feet (from ground surface)	Protective Cas	ing Stickup:(for above-gro	feet und surface)	Protect. Casing V Casing Differer	
Floating Product Thickness:	feet using	, -	•	3	
	(measuring	device)			
Well Condition: good					
Measuring Device Decontamination Procedure:	Alconox 8	k DI Rinse			
PI Meter ID: na	Ambient Air: <u>na</u>	ppm	1	Nell Mouth:	nappm
PURGING PROCEDURES	3.2	3_ ca	asing volumes =	9.5 gallon	as to purge
4.842.61 gal/ft (8 in purge Method:Purge Method:Disposable Bailer	n)				
Purge Vol. (gal)	2.36	4.7	72	7.08	9.44
Time (Min.)	10:11	10:	14	10:17	. 10:20
Temperature (C°)	14.04	14.	01	14.06	14.11
pH (Units)	6.88	6.8	 37	6.87	6.86
Conductivity at 25°C (mS/cm)	1.20	1.	19	1.19	1.19
ORP (mV)	-18.00	-47	.00	-43.00	-40.00
Turb (NTU)	81.27	95.	17	32.99	42.09
DO (%)	0.17	0.4	12	0.07	0.05
Total Volume Purged	10.00	gallons	 ,		
Water Appearance (describe color, clarity odor.)	cloudy/ora	_			· · · · · · · · · · · · · · · · · · ·
SAMPLING PROCEDURES Sampling Procedure: peristaltic Sample Water Appearance (color, clarity,	odor):	clear			
ANALYTICAL PARAMETERS					
No. of B	ottles		Preservative/	Field	Cool
Analysis Method Volume,		Bottle Lot	Volume	Filtered	? to 4°C?
	3 40 ml VOA		HCL/		Y
	500 ml Poly		HNO3		Y
	1 250 ml Amber		H2SO4		Y
T. Cyanide 9012A	1 250 ml Poly		NaOH	<u> </u>	Y
OTHER OBSERVATIONS					
-		NAME (Print)	Brent Whe	at	
Notes: (1) Described whether well was locke	d and the condition	SIGNATURE:	ng and concrete col	lar.	

Described whether well was locked and the condition of the protective casing and concrete collar.

Describe sequence of purging/sampling including equipment type and decontamination method.



 Sample No.:
 \$15
 05 10

 Sample Date:
 05-May-10

Sample Time: 9:45

SITE/SAMPLE LOC	ATION									
Site Name:		Honey	well South I	Bend				Project No.:	3310	090039
Personnel Present:	BMW									
Activity Start:	9:10				Ac	tivity End: _	9:50			
	nny,60's									
Well Type and Locat		ickup in park	ing lot							
WATER LEVEL/WE										
Well Depth: 22.0	_ `			Water	Depth:	18.4		_ feet using		
(from top of well	casing)	(measurir	ig device)		(1	rom top of we	ell casing)	•	(meas	uring device)
Historical Well Depth		_ feet	Protective	e Casing 8			eet	Protect. Ca	•	£1
,	m ground surface	•	£4!		(101 abovi	e-ground surf	ace)	Casing D	oifference:	feet
Floating Product This	ckness:		feet using				(measuring	n device)		
Well Condition:		good					(, 401.00/		
Measuring Device De	econtamination		Alco	nox & DI	Rinse					
PI Meter ID: na			mbient Air:			pm	,	Well Mouth:	na	ppm
PURGING PROCED								Tron mount.		PP::::
Height of Water	the state of the s	gal/ft (1 in)					· · · · · · · · · · · · · · · · · · ·			
Column feet		gal/ft (1.5 in)								
	· · · · ·	al/ft (2 in)		Х	3	casing v	olumes =	7.0	gallons to p	urae
	<u> </u>	jal/ft (4 in)	2.3			J				J
3.6	2 6	gal/ft(8 in)								
		_ ` ` ′						•		• .
Purge Method:	Disposable b	aller								
Purge Vol. (gal)			1.	76		3.52		5.28	. <u> </u>	7.02
Time (Min.)			9:	29		9:32		9:34		9:40
Temperature (C°)		,	14	.18		14.16		14.16		14.17
pH (Units)			6.	89		6.88		6.87		6.87
Conductivity at 25°C	(mS/cm)		1.	33		1.33		1.35		1.34
ORP (mV)		,	220	0.00		188.00		95.00		49.00
Turb (NTU)		,	18	.91		22.63		43.68		60.01
DO (%)			0.	61		0.51		0.41		0.44
Total Volume Purgeo	i			7.25 gall	lons					
Water Appearance (c	tescribe color, clarity	odor:)	mode	erately clo	udy/orang	ıe				
Trate: / ppouration (estation salet, clarity		mode	oratory oro	adyrorang					
SAMPLING PROCE	DURES							\$2500 per 2000 per 2000		
Sampling Proc	kan pahaman indi ilika 40.4% fi	staltic	Aller Committee							
. 0	•	•								
Sample Water	Appearance (co	olor, clarity, o	dor):	clea	ar					
ANALYTICAL PARA	AMETERS									
			of Bottles				Preserva	itive/	Field	Cool
Analysis	Method		ıme, Type		Bottle Lo	t	Volum		Filtered?	to 4°C?
VOC	8260B		40 ml VOA				HCL		N N	Y
D. Metals	6020B		500 ml Pol				HNO		Y	Y
T. Phenols	420.1		250 ml Am				H2SO		N	Y
T. Cyanide	9012A	1	250 ml Pol	<u> </u>			NaOh	1/	N	Υ
					<u> </u>					<u></u>
OTHER OBSERVAT	TIONS									
-				NA	ME (Print) <u>E</u>	Brent Whe	at		
				910	NATURE	:.				
Notes: (1) De	scribed whether w	ell was locked	and the con				concrete co	ollar.		
	scribe sequence o									



Sample No.: **S16** 05 10 Sample Date: 03-May-10

		,	Sample III	10.10	
SITE/SAMPLE LOCATION					
Site Name: Honey	well South Bend		Project N	lo.:3310	090039
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 (from top of well casing) (measuring)		ater Depth: 15.04 (from top of	well casing) feet us		uring device)
Historical Well Depth: feet (from ground surface)	Protective Casi	ng Stickup:	_	Casing Well g Difference:	feet
	feet using	(101 above-ground s	Casiii	g Dillerence.	
	g		(measuring device)		
Well Condition: good					
Measuring Device Decontamination Procedure:	Alconox &	DI Rinse			
_	mbient Air: na	ppm	Well Mou	ıth: 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 p	ourge
X .65 gal/ft (4 in)	2.4				
3.66 2.6 gal/ft (8 in)					
Purge Method: Peristaltic					
r dige Method.					
Divine Val. (call)	4 75	2.50	5.25		7.14
Purge Vol. (gal)	1.75	3.50 15:15	15:32		15:38
Time (Min.)	15:06 16.23	16.26	16.07		15.88
Temperature (C°)	7.54	7.35	7.36		7.30
pH (Units)	0.72	1.62	1.70		1.70
Conductivity at 25°C (mS/cm) ORP (mV)	180.00	190.00	167.0		131.00
Turb (NTU)	27.12	75.32	23.31		59.68
DO (%)	1.74	1.46	1.51		1.53
					1.00
Total Volume Purged		gallons			
Water Appearance (describe color, clarity odor:)	slightly clou	ıdy			
	900 and 2000 1901 2000 1			Providianio - Stanta III (1868)	
SAMPLING PROCEDURES					and the second second
Sampling Procedure: Peristaltic					
Sample Water Appearance (color, clarity, o	dor):	clear			
ANALYTICAL PARAMETERS	Southern Colors months of Amelia Space 1				
	of Bottles		Preservative/	Field	Cool
	ıme, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC 8260B 3	40 ml VOA		HCL/	N	Y
D. Metals 6020B 1	500 ml Poly		HNO3/	Υ	Υ
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		
Notes: (1) Described whether well was locked	and the condition	SIGNATURE:	ad concrete coller		

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 LOC	ATION					100000000000000000000000000000000000000
Site Name:	(Marian Control of Marian Control of Control	neywell South Bend	a da anticología de la composició de la co	Project N	o.: 3310	090039
Personnel Present:	JPS/BMW					
Activity Start:	14:15		Activity End:	: 14:50		
Weather: Ra	in on and off,60's					
Well Type and Locat	ion: 4" stickup alo	ng Bendix				
WATER LEVEL/WE	LL DATA					
Well Depth: 19.1	10 feet using	V	Vater Depth: 18.08	feet usi	ng	
(from top of well	casing) (mea	suring device)	(from top of	well casing)	(meas	uring device)
Historical Well Depth	n:feet	Protective Cas		_	Casing Well	
(fro	m ground surface)		(for above-ground s	urface) Casin	g Difference:	feet
Floating Product This	ckness:	feet using				
				(measuring device)		•
Well Condition:	good					
=	econtamination Procedu		& DI Rinse	144 1144		
PI Meter ID: na		Ambient Air: na	ppm	Well Mou	th: <u>na</u>	ppm
PURGING PROCED	Contract of the Contract of th					
Height of Water	.041 gal/ft (1					
Column feet	.09 gal/ft (1.5	•	2		2.0 11	
	.16 gal/ft (2 ir X .65 gal/ft (4 ir		3 casing	volumes =2	2.0 gallons to p	urge
		•				
1.02	<u>2.6</u> gal/ft(3 in) .				
Purge Method:	peristaltic					
						
Purge Vol. (gal)		0.50	1.00	1.50		2.00
Time (Min.)		14:28	14:30	14:34		14:37
Temperature (C°)		14.05	14.03	14.01		14.08
pH (Units)		7.02	7.00	6.98		6.97
Conductivity at 25°C	(mS/cm)	2.10	2.09	2.09		2.09
ORP (mV)	()	-81.00	-85.00	-86.00)	-85.00
Turb (NTU)		75.86	125.90	141.50		119.70
DO (%)		0.18	0.08	0.03		0.01
Total Volume Purgeo	1	2.30	<u>0</u> gallons			
Water Appearance (lescribe color, clarity odor:)	cloudy/bro	own			
SAMPLING PROCE						
Sampling Proc	edure: peristaltic					
Sample Water	Appearance (color, clarit	v. odor):	cloudy/orange			
ANALYTICAL PARA						
ANALITICALITAN	palla jala 1998 tali kali ka mada di danda alika da ka ka matan isalika matan ka ka ka ka ka ka ka matan mata	No. of Bottles		Preservative/	Field	Cool
Analysis		√olume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
voc	8260B	3 40 ml VOA		HCL/	N	Υ
D. Metals	6020B	1 500 ml Poly		HNO3/	Y	Υ
T. Phenois	420.1	1 250 ml Amber		H2SO4/	N	Υ
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Υ
OTHER OBSERVAT	TIONS	<u></u>				
MW-101 = Dup			NAME (Print)	Brent Wheat		
.,	•					
Matan. (2) 5		alond and the	SIGNATURE:	al agraphic celler		
Notes: (1) De.	scribed whether well was lo	neu anu me condition	or the protective casing an	u concrete conar.		

Described whether well was locked and the condition of the protective casing and concrete collar.

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 LOCA	ATION					
Site Name:	Hone	eywell South Bend		Project No	.: 3310	090039
Personnel Present:	JPS/BMW					
Activity Start:	10:30		Activity End:	11:15		
	ny,50's					
Well Type and Location	on: manhole corne	r of Westmoor & C	Goodland			
	L DATA	at former control of the state				
Well Depth: 18.8	_		Vater Depth: 13.84			
(from top of well o	asing) (measi	ring device)	(from top of	-,	•	uring device)
Historical Well Depth:		Protective Cas		-	Casing Well	
`	n ground surface)		(for above-ground su	urface) Casing	Difference: _	feet ——
Floating Product Thic	kness:	feet using		(managurina davisa)		
Well Condition:	good			(measuring device)		
	contamination Procedure	· Alconox	& DI Rinse			
	contamination i rocedure	Ambient Air: na		Well Mouth	n: na	nnm
		Ambient Air. na	ppm	vven mouti	ı. <u>11a</u>	ppm
PURGING PROCED	and the second s	,				
Height of Water Column feet	.041 gal/ft (1 in	•				
Column leet	.16 gal/ft (2 in)	" X	3 casing	volumes = 9.	7 gallons to p	, .
	X .65 gal/ft (4 in)	3.2	<u></u>	volumes – 3.	galloris to p	dige
4.00						
4.96	<u>2.6</u> gal/ft(8	in)				
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
•						0.02
Total Volume Purged		11.00	<u>0</u> gallons			
Water Appearance (de	escribe color, clarity odor:)	cloudy				
					•	
SAMPLING PROCEI						
Sampling Proce	edure: peristaltic					
Sample Mater	Appearance (color, clarity	odor):	slightly cloudy			
-			Signity cloudy			
ANALYTICAL PARA	and the second s	o. of Bottles	<u> </u>	Preservative/	Field	Cool
Analysis		olume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA	Dottie Lot	HCL/	N N	γ ·
D. Metals	6020B	1 500 ml Poly		HNO3/		· Y
T. Phenois	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly	·······	NaOH/	N	Y
0,0.1100				/	•	
OTHER OBSERVAT			NIANE (D. C.	December 1300		
MW-102 = Dupi	iicate sampie		NAME (Print)	Brent Wheat		
	•		SIGNATURE:			
Notes: (1) Des	cribed whether well was lock	ed and the condition		d concrete collar.		

Described whether well was locked and the condition of the protective casing and concrete collar. 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 LOCA	And the Burn of the Control of the C					
Site Name:		oneywell South Bend		Project No.	.: <u>3310</u>	090039
Personnel Present:	JPS/BMW					
Activity Start:	9:30		Activity End:	10:25		
Weather: suni Well Type and Location	ny,50's on: flushmount i	n nark				
		II paik			The accompanies with the constraint	N. S.
WATER LEVEL/WEL						
Well Depth: 23.40 (from top of well ca	_ `	asuring device)	Vater Depth: 21.14 (from top of v	well casing) feet using		uring device)
Historical Well Depth:	feet ground surface)	Protective Cas	sing Stickup: (for above-ground su		asing Well Difference:	feet
Floating Product Thick	•	feet using	,	,		 .
, , , , , , , , , , , , , , , , , , ,				(measuring device)		
Well Condition:	good				_	
Measuring Device De	contamination Procedu	ıre: Alconox e	& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	ı: na	ppm
PURGING PROCEDU	IDEC		·			
Height of Water	.041 gal/ft (1	in)			ar a disconsission of the con-	
Column feet	.09 gal/ft (1.	•				
	.16 gal/ft (2		3 casing	volumes = 4.4	4 gallons to p	ourge .
	X .65 gal/ft (4	n) 1.5			 -	_
2.26	2.6 gal/ft (8 in)				
•		0 111)				
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	<u> </u>	-0.01
Total Volume Purged		4.50	gallons			
Water Appearance (de	scribe color, clarity odor:)	cloudy				
SAMPLING PROCEL	URES					
Sampling Proce	and the second	ana a suureetti teläisia taivassa kaika kaika kiiki kasilikkii ka kiiki ka kaika kaika ka ka ka ka ka ka ka ka	nerge. Territoria de la companya de		n managan da sa	
Sample Water A	Appearance (color, clai	rity, odor):	clear, few small floaties	<u> </u>		
ANALYTICAL PARA	METERS					
		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/	N	Υ
D. Metals	6020B	1 500 ml Poly		HNO3/	<u>Y</u>	Υ .
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
						···
OTHER OBSERVATI	ONS	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
-			NAME (Print)	Brent Wheat		
			•			
			SIGNATURE:	dt"U		

- 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:

			Sample Time:	11:07	
SITE/SAMPLE LOCATION				15.2	
	eywell South Bend		Project No.: _	3310	090039
Personnel Present: JPS/BMW					
Activity Start: 10:00		Activity End:1	1:25		
Weather: Sunny,50's					
Well Type and Location: 4" inside manh	nole/Kennedy Park				
WATER LEVEL/WELL DATA					
Well Depth: 26.00 feet using		Vater Depth:13.45	feet using		
(from top of well casing) (meas	uring device)	(from top of well o	asing)	(meas	uring device)
Historical Well Depth: feet	Protective Cas	ing Stickup: feet	Protect. Cas	sing Well	
(from ground surface)		(for above-ground surface) Casing Di	fference:	feet
Floating Product Thickness:	feet using				
-		(me	asuring device)		
Well Condition: good					
Measuring Device Decontamination Procedure	e: Alconox &	& DI Rinse			
PI Meter ID: na	Ambient Air: na	ppm	Well Mouth:	na	ppm
PURGING PROCEDURES					
Height of Water .041 gal/ft (1 ir	۱)			samuel en alle en	
Column feet .09 gal/ft (1.5 i	n)				
.16 gal/ft (2 in)	X	3 casing volu	mes = 24.6 g	gallons to r	ourge
X .65 gal/ft (4 in)					•
12.55 2.6 gal/ft (8		•			
v	·				
Purge Method: Peristaltic and disposa	ble bailer				
Purge Vol. (gal)	6.10	12.20	18.30		24.50
Time (Min.)	10:41	10:49	10:56		11:04
Temperature (C°)	11.47	11.71	11.77		11.80
pH (Units)	6.77	6.73	6.72		6.73
Conductivity at 25°C (mS/cm)	1.12	1.07	1.07		1.07
ORP (mV)	-158.00	-153.00	-156.00	-	-160.00
Turb (NTU)	43.90	42.38	34.12		34.42
DO (%)	-0.05	-0.05	-0.05		-0.05
					0.00
Total Volume Purged	25.00	gallons g			
Water Appearance (describe color, clarity odor.)	black				
SAMPLING PROCEDURES				62.55	
Sampling Procedure: Peristaltic					
Sample Water Appearance (color, clarity	/, odor):	slightly cloudy			
ANALYTICAL PARAMETERS					4 5
	lo. of Bottles		eservative/	Field	Cool
Analysis Method V	olume, Type	Bottle Lot		Filtered?	to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N	Y
Diss. Metals	1 1 L Poly		HNO3/	Y	Υ
T. Phenols	1 250 ml amber		H2SO4/	N	Y
T. Cyanide	1 250 ml Poly		NaOH/	N	Υ
			1		
OTHER OBSERVATIONS					
Biotrap deployed @ 11:20. Biotrap set @	@ 23.5' btoc.	NAME (Print) Brei	nt Wheat		
		SIGNATURE:			

- (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 Sample Date: 14-Apr-10

Sample Time: 13:15

SITE/SAMPLE LOCATION			L.		
	neywell South Bend		Project No.: _	3310	090039
Personnel Present: JPS/BMW					
Activity Start: 12:40		Activity End: 14	:04		
Weather: sunny,50's	halalle annada Danis				
	nhole/Kennedy Park				
WATER LEVEL/WELL DATA					
Well Depth: 28.20 feet using		er Depth: 16.28	feet using	/	
	suring device)	(from top of well ca		•	uring device)
Historical Well Depth: feet	Protective Casing		Protect. Cas	•	£
(from ground surface)		(for above-ground surface)	Casing Di	πerence: _	feet
Floating Product Thickness:	feet using	/mea	suring device)		
Mall Candition good		(IIIea	suming device)		
Well Condition: good	re: Alconox & D	I Pinco			
Measuring Device Decontamination Procedu			Moll Mouth:		
Pl Meter ID: na	Ambient Air: na	ppm	Well Mouth:	na	ppm
PURGING PROCEDURES					
Height of Water .041 gal/ft (1					
Column feet .09 gal/ft (1.5	•	2 anaina valum		aallana ta m	
.16 gal/ft (2 ir X .65 gal/ft (4 ir	·	3 casing volum	es =	gallons to p	urge
	1) 7.0				
11.92 <u>2.6</u> gal/ft (8 in)				
Purge Method: peristaltic & disposab	le 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
• • • •	7.11	7.11	7.10		7.13
pH (Units)	0.59	0.59	0.59		0.60
Conductivity at 25°C (mS/cm)	-143.00	-144.00	-144.00		-150.00
ORP (mV)	43.89		26.25		19.10
Turb (NTU)		37.21	-0.04	-	-0.05
DO (%)			-0.04		-0.05
.Total Volume Purged	24.00 ga	allons			
Water Appearance (describe color, clarity odor:)	gray, cloudy				
•					
SAMPLING PROCEDURES					
Sampling Procedure: Peristaltic			200000000000000000000000000000000000000		S. A. S. Z. CONTROL OF THE CONTROL OF T
Sample Water Appearance (color, clari	ty, odor):				
ANALYTICAL PARAMETERS		2.2			
	No. of Bottles		servative/	Field	Cool
Analysis Method	Volume, Type			Filtered?	to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N	<u> </u>
Diss. Metals	1 1 L Poly		HNO3/	Y	<u>Y</u>
T. Phenols	1 250 ml amber		12SO4/	N	Υ
T. Cyanide	1 250 ml Poly	<u></u>	NaOH/	N	Y
OTHER OBSERVATIONS	- · · · · · · · · · · · · · · · · · · ·				
Biotrap deployed @ 13:50. Biotrap set	@ 25.75' btoc N	AME (Print) Brent	Wheat		*
					
Notes: (1) Described whether well was lo		IGNATURE:	rete collar		

(1) Described whether well was locked and the condition of the protective casing and concrete collail
 (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

				oumple rime	· 11.10	
SITE/SAMPLE LOC	ATION					100
Site Name:		Honeywell South Bend		Project No	.:33100	90039
Personnel Present:	JPS/BMW					
Activity Start:	16:35		Activity End:	17:21		
	rtiy sunny,60's	4 to				
Well Type and Loca		• • • • • • • • • • • • • • • • • • • •				
and the second control of the second control	LL DATA		Anna and An			
Well Depth: 21.			Vater Depth: 15.05	feet usin		
(from top of well		easuring device)	(from top of v	-,	•	ring device)
Historical Well Deptl		Protective Cas	·		Casing Well	faat
•	om ground surface)	foot union	(for above-ground su	nace) Casing	Difference:	feet —
Floating Product Thi	ckness:	feet using		(measuring device)		
Well Condition:	Good	1		(modeling device)		
•	econtamination Proce		& DI Rinse			
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth	n: na	ppm
		- /www.ma	PPIII	- VVCII IVICALI	ii iia	PPIII
<i>PURGING PROCEL</i> Height of Water	.041 gal/ft	(1 in)				
Column feet	X .09 gal/ft (` '				
	.16 gal/ft (2	•	3 casing	volumes = 1.	7 gallons to pu	ırae
	.65 gal/ft (4					9-
6.35	2.6 gal/ft	(8 in)				
		. (0111)				
Purge Method:	Peristaltic					
Purge Vol. (gal)		0.43	0.86	1.29		1.71
Time (Min.)		16:56	17:01	17:05		17:09
Temperature (C°)		12.52	12.39	12.35		12.36
pH (Units)		7.24	6.97	6.96		6.95
Conductivity at 25°C	(mS/cm)	1.79	1.78	1.71		1.79
ORP (mV)		38.00	-44.00	-46.00		-47.00
Turb (NTU)		24.73	16.17	14.52		15.89
DO (%)		0.33	0.17	0.11		0.07
Total Volume Purge	d	1.75	gallons			
Water Appearance	describe color, clarity odor:)	moderatel	v cloudy			
rator, Appoulation (accombe color, didniy caer.,	moderater	y oloudy			
SAMPLING PROCE	DURES					55 (1) (1) (1) (1)
Sampling Proc					2.5% - 5% - 5% - 2.5 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	and the second s
						
Sample Water	Appearance (color, cl	arity, odor):	slightly cloudy			
ANALYTICAL PAR	AMETERS					
		No. of Bottles	- Annual	Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC_	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	<u>Y</u>	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
OTHER OBSERVA	TIONS					
-			NAME (Print)	Brent Wheat		
			SIGNATURE:			
Motors (d) Do	ooribad whathar wall	looked and the condition	of the protective coning on	l concrete coller		

- Described whether well was locked and the condition of the protective casing and concrete colla
- (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 LOC	ATION							
Site Name:		Honeywell South E	3end			Project No.:	3310	090039
Personnel Present:	JPS/BMW							
Activity Start:	11:26			_ Activ	ity End: 12:	10		
	nny,50's							
Well Type and Loca		ount along Goodland	ın park					
WATER LEVEL/WE	******************************						<u> </u>	
Well Depth: 26.	· · -		Water		14	feet using		
(from top of well		(measuring device)		,	m top of well cas		•	uring device)
Historical Well Depti (fro	h:fe om ground surface)	eet Protective			feet round surface)	Protect. Casing D	asing Well Difference:	feet
Floating Product Thi	ckness:	feet using						
					(meas	suring device)		
Well Condition:		lissing well vault cove						
Measuring Device D	econtamination Pro		nox & DI F	Rinse			•	
Pl Meter ID: na		Ambient Air:	na	ppn	n	Well Mouth:	na	ppm
PURGING PROCE								
Height of Water		d/ft (1 in)						
Column feet		fft (1.5 in)		_				
		fft (2 in) fft (4 in) 1.2	х	3	casing volume	es = 3.5	gallons to p	urge
	65 gai/	fft (4 in) 1.2						
12.8	2.6_g	al/ft(8 in)						
Purge Method:	Peristaltic							
Purge Vol. (gal)		0:	86 ·		1.72	2.58		3.50
Time (Min.)			:37		1:43	11:49		11:55
Temperature (C°)		12			2.78	12.80	-	12.79
pH (Units)		7.			7.02	7.02	-	7.02
Conductivity at 25°C	(mS/cm)	1.1			1.02	1.02		1.02
ORP (mV)	(moronn)		.00		41.00	-44.00		-45.00
Turb (NTU)		52.			28.00	19.61		17.15
DO (%)		0.0			0.01	0.00		-0.03
				-	-			0.00
Total Volume Purge	d		3.50 gallo	ns				
Water Appearance (describe color, clarity odo	r:) black					·	
SAMPLING PROCE			1634 (1910) (192					
Sampling Proc	cedure: Perista	ltic						
Sample Water	Appearance (color	clarity odor):	eliah	tly cloudy/s	slight odor			
•	* * * * * * * * * * * * * * * * * * * *	, clarity, odory.	Silgi	illy Cloudyr	ongrit odol		Paring to the control of the control	
ANALYTICAL PAR.	AWEIERS	No. of Bottles			Pros	servative/	Field	Cool
Analysis	Method	Volume, Type	F	Bottle Lot		olume	Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA		JOHNO LOT		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly				1NO3/	Y	Y
T. Phenols	420.1	1 250 ml Ami				2SO4/	N	Υ
T. Cyanide	9012A	1 250 ml Poly				laOH/	N	Y
						1		
OTHER OBSERVA	TIONS							
-	HONS		KI A R	ME (Brint)	Drant	\^/heat		
			INAIV	1E (Print)	Dient	Wheat		
			SIGI	NATURE:				
Notes: (1) De	coribad whather well	was looked and the con-	dition of the	nrotactiva a	seina and concre	oto collar		

es: (1) Described whether well was locked and the condition of the protective casing and concrete col

(2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S26 Sample Date: 03-May-10

Sample Time: 18:45

SITE/SAMPLE LOC	ATION						
Site Name:		Honeywell South Ben	d		Project No.:	3310	090039
Personnel Present:	JPS/BMW		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
Activity Start:	18:15		Activ	vity End:18:57	·		
	udy,60's						· · · · · · · · · · · · · · · · · · ·
Well Type and Locat	ion: 1.5" i	lushmount behind white bu	ilding				
WATER LEVEL/WE					8.9		
Well Depth: 26.9	•		Water Depth:	16.93	feet using		
(from top of well	casing)	(measuring device)	(fro	om top of well casing		·	uring device) ·
Historical Well Depth (fro	n: m ground surface)	•	asing Stickup: (for above-	feet ground surface)	Protect. Ca Casing D	sing Well ofference:	feet
Floating Product This	ckness:	feet using					
				(measur	ing device)		
Well Condition:		good		<u> </u>			
Measuring Device D	econtamination l	Procedure: Alconox	& DI Rinse				
PI Meter ID: na		Ambient Air: na	pp	m	Well Mouth:	na	ppm
PURGING PROCED	URES						
Height of Water	.041	gal/ft (1 in)					
Column feet	X .09 g	al/ft (1.5 in)					
		al/ft (2 in)	3	casing volumes	= 2.7	gallons to p	ourge
	65 g	al/ft (4 in) 0.9					
9.97	2.6	gal/ft (8 in)					
Purge Method:	Peristaltic	•					
r arge mearea.	, chotalio		·				
Purge Vol. (gal)		0.67		1.34	2.01		2.69
Time (Min.)		18:26		18:32	18:36		18:43
Temperature (C°)		14.95		15.01	14.73	-	15.15
pH (Units)		7.13		7.12	7.12		7.11
Conductivity at 25°C	(mS/cm)	0.66		0.68	0.76		0.86
ORP (mV)	(,	2.00	-	2.00	4.00		4.00
Turb (NTU)		23.33	-	27.34	15.91		9.25
DO (%)		0.08		0.06	0.03		0.01
			····				
Total Volume Purgeo	1		70 gallons				
Water Appearance (describe color, clarity o	dor:) cloudy/bi	rown				
					/	Pronagoular en Later Guedro II de S	IV 7 DOUGE NOTES WAYS
SAMPLING PROCE							
Sampling Proc	edure: Peris	taitic	·				
Sample Water	Appearance (co	lor, clarity, odor):	Moderate clou	dy/yellow orange	tint		
ANALYTICAL PAR			ccc.atc olde				
ANALTTICAL PAR	AWIETERS	No. of Bottles		Preser	vative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volu		Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA		Н		N	Y
D. Metals	6020B	1 500 ml Poly		HN		Y	Y
T. Phenols	420.1	1 250 ml Amber		H2S	SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		Nac	OH/	N	Υ
					<u></u>		
OTHER OBSERVA	TIONS						
-	.		NAME (Print)	Brent W	heat		
•							
Matan // ~	andbart wheater.	ell was locked and the conditio	SIGNATURE:		action		
Notes: (1) De	scoped whether w	eu was iocken and the conditio	o or me prorective (Jasinu anu concrete	LUIIdi.		

Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: S27 Sample Date:

Sample Time:

SITE/SAMPLE LOC	ATION								
Site Name:		Honey	well South Bend	***************************************			Project No.:	3310	090039
Personnel Present:	JPS/BI	N W					·		
Activity Start:	17:21			A	ctivity End:	16:06			
Weather: clo	udy,60's								
Well Type and Local	tion:	flushmount in pa	ırk	*****					
WATER LEVEL/WE	LL DATA						12		
Well Depth: 27.	M 2000 2000 200 200 200 200 200 200 200	using	and the standard of the standa	Vater Depth:	17.75	or the second	feet using	Anna da Francisco de Carrollo	
(from top of well		· -	ng device)		(from top of v	well casing			uring device)
Historical Well Depth	n:	feet	Protective Cas	sina Stickup:		feet	Protect. Ca	asing Well	
· ·	m ground s				ve-ground su			Oifference:	feet
Floating Product Thi	ckness:		feet using				·	_	
						(measurir	ng device)		
Well Condition:		missing va	ult lid						
Measuring Device D	econtamin			& DI Rinse					
PI Meter ID: na			Ambient Air: na		ppm		Well Mouth:	na	ppm
				XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	en e	5.Co.bon-10108	1788 (Mary 1986)		
PURGING PROCED Height of Water	UKES	.041 gal/ft (1 in)							
Column feet	-	.09 gal/ft (1.5 in)							
Column 1000	X	.16 gal/ft (2 in)		3	casing	volumes =	= 50	gallons to p	nitae
1		.65 gal/ft (4 in)	1.7		5459			ganorio to p	.u. 90
40.45									
10.15		2.6_ gal/ft (8 in	1)					•	
Purge Method:	Perista	ltic							
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
	(mC/om)		1.16	_	1.16		1.16		1.16
Conductivity at 25°C	(mo/cm)		-						·
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 Purge	d		5.00	gallons					
Water Appearance (describe color	, clarity odor:)	slightly clo	oudy					
				<u> </u>					
SAMPLING PROCE	DURES			Control of Control	44 80 PM Bar 1995	3.74.7			
Sampling Proc	W. S. Charles Common Charles Com	Peristaltic							Simon and the second
, 0									
Sample Water	Appearan	ce (color, clarity,	odor):	slightly clou	dy				
ANALYTICAL PAR	AMETERS	}							
te annum marian er sam più para di inita inan Milliani della	n szent szentészék nementát felőkerő	angan kan ing kalangan kan kan kan kan kan kan kan kan kan k	. of Bottles			Preserv	/ative/	Field	Cool
Analysis	Met	hod Vol	ume, Type	Bottle L	ot	Volu	me	Filtered?	to 4°C?
VOC	8260B		40 ml VOA			HC	L/	N	Y
D. Metals	6020B	1	500 ml Poly			HNC	03/	Υ	Υ
T. Phenols	420.1	1	250 ml Amber			H2S0	O4/	N	Υ
T. Cyanide	9012A		250 ml Poly			NaO)H/	N	Y
						1			
OTHER OBSERVA	TIONS								
-	IIONS			NIAME /D=:-	n#\	Brent Wh	ne at		
				NAME (Prir	''y .	DIGHT AAL	iout	•	
				SIGNATUR	E:				
Motor: (1) Do	coribad who	thor well was looke	d and the condition	of the protection	io occina oni	d concrete	collar		

- (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 LOCA	TION					
Site Name:	Н	oneywell South Bend		Project No	.: 3310	090039
Personnel Present:	JPS/BMW					
	3:52		Activity End:	14:55		
	y,60's	T. D. J.				
Well Type and Location		along Bendix				
WATER LEVEL/WELL				-		
Well Depth: 23.50 (from top of well ca	feet using	W. asuring device)	/ater Depth: 14.4 (from top of v	feet using		uring device)
		-	, ,	•	•	utilig device)
Historical Well Depth:	ground surface) feet	Protective Cas	ing Stickup: (for above-ground sui		Casing Well Difference:	feet
Floating Product Thick	•	feet using	(io. aporo gibalia ba.	Oasing	Dilicitation.	
Troubling Froduct Trilor				(measuring device)		
Well Condition:	good					
Measuring Device Dec		ure: Alconox &	DI Rinse			
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth	n: na	ppm
PURGING PROCEDU	RES					
Height of Water	.041 gal/ft (1	in)				
Column feet	.09 gal/ft (1.	5 in)				
	X .16 gal/ft (2		3 casing v	/olumes =4.	5 gallons to p	ourge
	.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 (r	nS/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 (des	oribo polor plosity odari)		ghtly cloudy			
vvaler Appearance (ues	cribe color, clarity odor.)	Clear to sit	inity cloudy	· · · · · · · · · · · · · · · · · · ·		
SAMPLING PROCED	IIDE9					
Sampling Proced						termina i i i i i i i i i i i i i i i i i i
Sample Water A	ppearance (color, cla	rity, odor):	clear			
ANALYTICAL PARAI	METERS					
		No. of Bottles		Preservative/	Field	. Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC D. Metals	8260B	3 40 ml VOA		HCL/ HNO3/		<u>Y</u> Y
T. Phenols	6020B 420.1	1 500 ml Poly 1 250 ml Amber		H2SO4/		<u>Y</u>
T. Cyanide	9012A	1 250 ml Poly		NaOH/		· Y
0,411140		. 200 1 019		/		
OTHER OPPERMATE				· · · · · · · · · · · · · · · · · · ·		
OTHER OBSERVATIO	ONO		NAME (Print)	Brent Wheat		
			INCINIE (FINIE)	DIGHT ANHOUT		
			SIGNATURE:			

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



Sample No.: Sample Date: 04-May-10 Sample Time:

SITE/SAMPLE LOCA	TION						
Site Name:	eren er	Honeywell South Bend	d		Project No.:	3310	090039
Personnel Present:	JPS/BMW						
	16:54		Acti	vity End: 17	:45		
	ny,70's	all				*	
Well Type and Location				Por Startman Links of policies and		en oprie re une -dioue na ocuae d	
WATER LEVELWEL	COLUMN TO THE PARTY OF THE PART	ann a cean a dan baile ann athair an thair an thair ann an ann an an an an an an an an an a	Mata-Baath	00.50	fact:-		
Well Depth 56.30		(measuring device)	Water Depth:	26.58 om top of well car	feet using	(meas	uring device)
Historical Well Depth:	.		,	feet	Protect. Ca	•	
•	ground surface)	i Totodive oa		-ground surface)	Casing D	-	feet
Floating Product Thick	ness:	feet using			ŭ		
-				(mea	suring device)		
Well Condition:	Go						
Measuring Device De	contamination Prod		& DI Rinse				
PI Meter ID: na		Ambient Air: na	pp	om	Well Mouth:	na	ppm
PURGING PROCEDU							
Height of Water Column feet	.041 gal/ .09 gal/ft						i .
Column leet	.16 gal/ft		. 3	casing volum	es = -	gallons to p	nitae
	.65 gal/ft	` '		odding voidin		ganono to p	-aigc
29.72		/ft (8 in)					
		·					
Purge Method:	ISCO 24 hour co	mposite/spigot					
Purge Vol. (gal)		5.00	_	na	na		na
Time (Min.)		17:29		na	na		na
Temperature (C°)		17.10		na	na		na
pH (Units)		7.10		na .	na		na
Conductivity at 25°C (ms/cm)	1559.00	<u> </u>	na	na	-	na na
ORP (mV) Turb (NTU)		85.00 1099.00	-	na na	na na		na na
DO (%)				na .	па		na
					114		
Total Volume Purged		5.0	0 gallons				
Water Appearance (de	scribe color, clarity odor:	cloudy, o	range/green tint		`		
CONTINUED ON RE	VERSE						
SAMPLING PROCED	and the second s						
Sampling Proce	dure: Peristalti	c from 24 hour composi	ite jug/spigot				•
Sample Water A	appearance (color,	clarity odor):	cloudy lots of	bubbles/foamy	,		
	· · · · · · · · · · · · · · · · · · ·	ciarity, odor <i>j.</i>	Cloudy, lots of	Bubbles/Ioain	Sherring and a factor of the second	000000000000000000000000000000000000000	
ANALYTICAL PARA	WEIERS	No. of Bottles		Pre	servative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot		/olume	Filtered?	to 4°C?
voc	624	3 40 ml VOA			HCL/	N	Y
SVOC	625	2 1 L Amber			-/	N	Υ
Pesticides, PCBs	608	2 1 L Amber			_/	N	Y
T. Cyanide	4500 CN-E	1 250 ml Poly			NaOH/	N	Υ
T. O&G (FOG)	1664-HEM	2 1 L Amber			12SO4/	N	<u> </u>
TPH O&G	1664-SGT HEM	2 1 L Amber		<u></u>	12SO4/	N	Υ
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly			12\$04/	N N	Y Y
T. Metals	200.7/200.8	1 500 ml Poly			HNO3/	N N	Y Y
BOD	5210B	1 1 L Poly			<u>-/</u>	N	Y
Phosphorus	365.1	1 250 ml Poly			12804/	N N	Y
TSS	2540D	1 250 ml Poly			/	14	
OTHER OBSERVATI							
		oosite sample. Grab ot after purging ~ 5	NAME (Print)	Brent	Wheat		
gallons.	onected noin spige	ranci puigilig ~ o	SIGNATURE:				

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



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

				Sample Time.	11.40	
SITE/SAMPLE LOCA	ITION					
Site Name:		Honeywell South Bend		Project No.:	3310	090039
Personnel Present:	JPS/BMW					
·	11:30		Activity End:	13:00		
Well Type and Location	ny,50's on: extraction	well manhole along Ben	dix	· · · · · · · · · · · · · · · · · · ·		•
		Well friatilitete dielig Bell	uix		2000-200-200-200-200-200-200-200-200-20	
WATER LEVELWEL	All the second and th	\//	iter Depth: 15.99	foot voina		
Well Depth 43.20 (from top of well ca		neasuring device)	(from top of wel	feet using	(meas	uring device)
-		Protective Casin			•	annig action,
Historical Well Depth:	feet ground surface)	Frotective Casin	(for above-ground surfa-		ifference:	feet
Floating Product Thic		feet using	(, +, =,==== 9, =======	/ Odomig D		
rodding roddor rine			(r	measuring device)		
Well Condition:	good	ı				
Measuring Device De			DI Rinse	-		
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth:	na	ppm
PURGING PROCEDU	IPE9					
Height of Water	.041 gal/ft	(1 in)				
Column feet	.09 gal/ft (
	.16 gal/ft (2 in) X	3 casing vol	umes = -	gallons to p	ourge
	.65 gal/ft (4 in) -				=
27.21	2.6 gal/fl	t (8 in)				
		, ,				
Purge Method:	ISCO 24 hour com	iposite/spigot				
Purge Vol. (gal)		5.00	na	na		na
Time (Min.)		11:40	na	na		па
Temperature (C°)		15.00	na	na		na
pH (Units)		7.11	na	na		na
Conductivity at 25°C ((mS/cm)	1082.00	na	na		na
ORP (mV)		-60.00	na	na		na
Turb (NTU)		753.80	na	na		na
DO (%)			na	na		na
Total Volume Purged		8.00	gallons			
		clear	-			
Water Appearance (de	sscribe color, clarity ocor.)	Oleai				
CONTINUED ON RE	VEDSE					
SAMPLING PROCED	en a come a companya da come en companya de come de companya de companya de companya de companya de companya de					
Sampling Proce		from 24 hour composite	jug/spigot			
, ,			· - · · · · · · · · · · · · · · · · · ·			
Sample Water A	Appearance (color, c	larity, odor):	clear with slight yellow tin	ıt		
			area Sandadi, F. Johnson and J. Salar Males (Alba, Architecture in	TO On Transition Stand Street Processing Co.	area and defendant of a Const	
ANALYTICAL PARA	METERS	No of Dollos		Preservative/	Field	Cool
Analysis	Method '	No. of Bottles Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	624	3 40 ml VOA	Dottle Lot	HCL/	N 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
		1 250 ml Poly		H2SO4/	N	<u> </u>
Ammonia, Nitrogen T. Metals	4500 NH3-F 200.7/200.8	1 500 ml Poly		HNO3/	N	<u>,</u>
BOD	5210B	1 1 L Poly		-/	N	Y
		1 250 ml Poly		H2SO4/		Y
Phosphorus	365.1 2540D			-/	N	<u>'</u>
TSS	2540D	1 250 ml Poly		- /		-
OTHER OBSERVATI	IONS		-74-7-2			
	ollect 24-hour compo	osite sample. Grab	NAME (Print) Br	ent Wheat		
samples were c	ollected from spigot	•	v			
gallons.			CICNATURE:			

Notes:

Described whether well was locked and the condition of the protective casing and concrete collar. 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 15:00 Activity End: Activity Start: 16:50 Weather: sunny,70's Extraction well manhole along Bendix Well Type and Location: WATER LEVEL/WELL DATA 30.60 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: Ambient Air: na ppm Well Mouth: па ppm na **PURGING PROCEDURES** .041 gal/ft (1 in) Height of Water Column .09 gal/ft (1.5 in) .16 gal/ft (2 in) 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) 5.00 na na na Time (Min.) 16:30 na na na Temperature (C°) 18.60 na na na pH (Units) 7.03 na na na Conductivity at 25°C (mS/cm) 2790.00 na na na ORP (mV) -52.00 na na na Turb (NTU) 2070.00 па na na DO (%) na na na Total Volume Purged 8.00 gallons Water Appearance (describe color, clarity odor:) moderate cloudy, yellow tint **CONTINUED ON REVERSE** SAMPLING PROCEDURES Sampling Procedure: Peristaltic from 24 hour composite jug/spigot Sample Water Appearance (color, clarity, odor): clear ANALYTICAL PARAMETERS No. of Bottles Preservative/ Field Cool Volume, Type Analysis Method **Bottle Lot** Volume Filtered? to 4°C? Ν VOC 624 3 40 ml VOA HCL/ SVOC 625 2 1 L Amber -/ N Υ N Pesticides, PCBs 608 2 1 L Amber -/ Υ N T. Cyanide 4500 CN-E 1 250 ml Poly NaOH/ N Y T. O&G (FOG) 1664-HEM 2 1 L Amber H2SO4/ Υ TPH O&G 1664-SGT HEM 2 1 L Amber H2SQ4/ N N Y Ammonia, Nitroger 4500 NH3-F 1 250 mi Poly H2SO4/ Y T. Metals 200.7/200.8 1 500 ml Poly HNO3/ N γ BOD 5210B Ν 1 1 L Poly -/ Y Ν Phosphorus 365.1 1 250 ml Poly H2SO4/ N γ TSS 2540D 1 250 ml Poly OTHER OBSERVATIONS ISCO used to collect 24-hour composite sample. Grab NAME (Print) **Brent Wheat** samples were collected from spigot after purging ~ 5 gallons. SIGNATURE:

- 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.: 05 10 07-May-10 Sample Date: Sample Time: 10:05

SITE/SAMPLE LOCA	TION						70
Site Name:		Honeywell South Be	nd		Project N	No.: 3310	0090039
Personnel Present:	JPS/BMW						
Activity Start:	9:45		Act	vity End: _	10:15		
	/thunder,50's						
Well Type and Location	on: Extraction	on well by black trailer					
WATER LEVEL/WEL	I DATA			**			
Well Depth 49.00	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Water Depth:	27.62	feet us	ina	
(from top of well ca	_ ~	(measuring device)		om top of we			suring device)
Historical Well Depth:	fee	et Protective C	asing Stickup:	fe	eet Protect	Casing Well	
•	ground surface)			ground surfa		g Difference:	feet
Floating Product Thick	kness:	feet using				_	
				(measuring device)		
Well Condition:	go	od					
Measuring Device De	contamination Pro	cedure: Alcono	x & DI Rinse				
Pi Meter ID: na		Ambient Air: na	ap	om	Well Mou	uth: <u>na</u>	ppm
PURGING PROCEDU		/f4 /4 (_)					
Height of Water Column feet	.041 gal	π (1 in) t (1.5 in)					
Column leet	.16 gai/f	•	Х 3	caeina va	olumes = -	gallons to	nurae
	.65 gal/f	• •	^	casing ve		ganons to	Juige
21.38		!/ft (8 in)					
Purge Method:	ISCO 24 hour co						
Purge Vol. (gal)		5.00		na	na		na
Time (Min.)		9:52	<u> </u>	na	na		na
Temperature (C°)		13.26	<u> </u>	na	na		na
pH (Units)		6.76		na	na		na
Conductivity at 25°C ((mS/cm)	0.71		na	na		na
ORP (mV)		136.0	0	na	na		na
Turb (NTU)	•	11.19	<u></u>	na	na		na
DO (%)		1.35		na	na	<u> </u>	na
Total Volume Purged		5.	.00 gallons				
Water Appearance (de	scribe color, clarity odor	r:) clear					
CONTINUED ON RES	/FDSF						
SAMPLING PROCED	no di Marco della con communicazioni di constituti di marco di mar						
Sampling Proce		ic from 24 hour compo	site jug/spigot			•	
Sample Water A	Appearance (color,	, clarity, odor):	clear		· · · · · · · · · · · · · · · · · · ·		
ANALYTICAL DADA	WETERO CONTRACTOR	Non-weeks 2015 Fig. 1 (1)					
ANALYTICAL PARA	WEIERS	No. of Bottles			Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot		Volume	Filtered?	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	Υ
BOD	5210B	1 1 L Poly	· · · · · · · · · · · · · · · · · · ·		<u>-/</u>	N	Υ
Phosphorus	365.1	1 250 ml Poly	· · · · · · · · · · · · · · · · · · ·		H2SO4/	N	Υ
TSS	2540D	1 250 ml Poly			-/	N	Y
OTHER OBSERVATI		····					
		posite sample. Grab	NAME (Print)	<u>B</u>	rent Wheat		
	ollected from spig esampled on 5/21/	ot after purging ~ 5 /10					
ganons. DOD Re			SIGNATURE				

Described whether well was locked and the condition of the protective casing and concrete collar. 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 LOCA	all control to the second					
Site Name:		loneywell South Bend		Project	No.: 3310	090039
Personnel Present:	JPS/BMW 11:30		Activity End	l: 12:30		
Activity Start: rain,			Activity End	1. 12.30		
Well Type and Location		well in manhole along	Bendix			
WATER LEVEL/WEL	and the first of the form the following of the second of t					
Well Depth 57.00	_		/ater Depth: 15.46			untar davias)
(from top of well ca	-,	easuring device)	• •	f well casing)	,	suring device)
Historical Well Depth:	ground surface)	Protective Cas	for above-ground s	_	t. Casing Well ng Difference:	feet
Floating Product Thick	•	feet using	(10) abovo grodila c	,u.,u.oo, Qaa	ng Dillerence	
Troating Froduct Tinos				(measuring device)		
Well Condition:	Good					
Measuring Device De	contamination Proce	dure: Alconox d	& DI Rinse			
Pl Meter ID: na		Ambient Air: na	ppm	Well Mo	outh: na	ppm
PURGING PROCEDU	***************************************	4 in)				
Height of Water Column feet	.041 gal/ft (1	· . · .				
Oblamii Teet	.16 gal/ft (2		3 casino	volumes = -	gallons to	ourae
	.65 gal/ft (4				9	9-
41.54						
Purge Method:	ISCO 24 hour comp	posite/spigot				
Duras Val. (mal)		5.00	no			
Purge Vol. (gal) Time (Min.)		12:03	na na	na na		na na
Temperature (C°)		14.20	na	n		na na
pH (Units)		7.22	na	na -		na
Conductivity at 25°C (mS/cm)	2.30	- na	na		na
ORP (mV)	,,	111.00	na	na		na
Turb (NTU)		17.79	na	na	 i	na
DO (%)		2.65	na na	na	 I	na
Total Volume Purged		8.00	gallons			
Water Appearance (de	scribe color, clarity odor;)	clear	-			
CONTINUED ON REV	/EDSE					
SAMPLING PROCED	AND THE PROPERTY OF THE PROPER					
Sampling Proce	dure: Peristaltic	rom 24 hour composit	te jug/spigot			
0			41			
Sample Water A	Appearance (color, cl	arity, odor):	clear			
ANALYTICAL PARAI	METERS					
		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	<u>Y</u> Y
SVOC	625	2 1 L Amber		-/		<u>т</u> Ү
Pesticides, PCBs	608 4500 CN-E	2 1 L Amber 1 250 ml Poly		NaOH/		<u>,</u> У
T. Cyanide		2 1 L Amber		H2SO4/		<u>,</u> У
<u>T. O&</u> G (FOG) TPH O&G	1664-HEM 1664-SGT HEM	2 1 L Amber		H2SO4/		<u>.</u> У
	4500 NH3-F	1 250 ml Poly		H2SO4/	N	<u>,</u>
Ammonia, Nitrogen T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	· Y
BOD	5210B	1 1 L Poly		-/	N	<u> </u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	Y
TSS	2540D	1 250 ml Poly		-/	N	Υ
OTHER OBSERVATI						
	ollect 24-hour compo ollected from spigot		NAME (Print)	Brent Wheat		
	sampled on 5/21/10.		OLONIATUSE			
-	•		SIGNATURE:			

Described whether well was locked and the condition of the protective casing and concrete collar.
 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 LOCA	TION					
Site Name:		Honeywell South Bend	<u></u>	Project No	o.: 3310	090039
Personnel Present:	JPS/BMW					
Activity Start:	8:15		Activity End:	9:20		
Weather: sunr	ıy,50's					
Well Type and Location	n: Recove	ry well inside Honeywell				
				A. (0.117.04.07.		
WATER LEVEL/WEL	L DATA					
Well Depth 23.60	- '—		Vater Depth: 29.74	feet usin		
(from top of well ca	asing)	(measuring device)	(from top of w	ell casing)	(meas	uring device)
Historical Well Depth:	fe	et Protective Ca			Casing Well	
(from	ground surface)		(for above-ground surf	ace) Casing	Difference:	feet
Floating Product Thick	kness:	feet using				
•				(measuring device)		
Well Condition:	G	ood				
Measuring Device De	contamination Pro	ocedure: Alconox	& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mout	h: <u>na</u>	ppm
PURGING PROCEDU						
Height of Water		l/ft (1 in)				
Column feet	ļ	ft (1.5 in)				
	.16 gal/	• •	3 casing ve	olumes = <u>-</u>	gallons to p	ourge
0.44	.65 gal/					
-6.14		al/ft (8 in)				
Purge Method:	ISCO 24 hour co	omposite/spigot				
Dunna Val. (mal)						
Purge Vol. (gal)		5.00	na	na		na na
Time (Min.)		9:08	na	na		<u>na</u>
Temperature (C°)		12.80	na	na		na
pH (Units)		5.82	na	na		na
Conductivity at 25°C (mS/cm)	1326.00	na na	na		na
ORP (mV)		-109.00	na	na		na
Turb (NTU)		934.50	na	na		na
DO (%)		-	na	na		na
Total Volume Purged		5.0	0 gallons			
Water Appearance (de	scribe color, clarity odd	r:) gray/stror	ng odor			
CONTINUED ON RE	and the second s	*******************************				- Million and Company of the property of the Company of the Compan
SAMPLING PROCED						
Sampling Proce	dure: Peristal	tic from 24 hour compos	ite jug/spigot			
Cample Motern						
Sample vvater A	ppearance (color	, clarity, odor):	moderately cloudy, sligh	it odor		
ANALYTICAL PARAI	METERS					
ANALTHCALFARA	VIL I EKS	No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	624	3 40 ml VOA	201.00 201	HCL/	N	Y
SVOC	625	2 1 L Amber		-/	N	<u> </u>
Pesticides, PCBs	608	2 1 L Amber		-/	N	Y
				NaOH/	N	<u> </u>
T. Cyanide	4500 CN-E	1 250 ml Poly			N	
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/		
TPH O&G	1664-SGT HEM			H2SO4/		
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	<u> </u>
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 OBSERVATI		,,	•			
		nposite sample. Grab	NAME (Print) _E	Brent Wheat		
samples were c gallons.	onected from spig	ot after purging ~ 5				
-			SIGNATURE:			
			of the protective casing and			
(2) Desc	anne sequence of pu	nying/sampiing including eqi	uipment type and decontamin	auon memou.		



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

SITE/SAMPLE LOCA	TION					
Site Name:	ł	oneywell South Bend		Proj	ect No.:	3310090039
Personnel Present:	JPS/BMW					
Activity Start:	9:30	•	Activity En	d: 10:00		
Weather: sunr	ny,50's					
Well Type and Location	on: Recovery	vell by Dock 10				
WATER LEVEL/WEL	L DATA					
Well Depth 49.80			Vater Depth:20		et using	
(from top of well ca	asing) (m	easuring device)	(from top	of well casing)	(measuring device)
Historical Well Depth:	feet	Protective Cas	sing Stickup:	feet Pro	otect. Casing W	/eli
(from	ground surface)		(for above-ground	surface) (Casing Differen	ce:feet
Floating Product Thick	kness:	feet using				
				(measuring dev	rice)	
Well Condition:	good					
Measuring Device De	contamination Proce	dure: Alconox	& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well	Mouth: r	ia ppm
PURGING PROCEDU	IRES					
Height of Water	.041 gal/ft					
Column feet	.09 gal/ft (*	1.5 in)				
	.16 gal/ft (2	•	3 casin	ig volumes =	gallon	s to purge
	.65 gal/ft (4		•			
29.3	2.6 gal/ft					
Purge Method:	ISCO 24 hour com	posite/spigot				
5						
Purge Vol. (gal)		5.00	_ <u> </u>	_ `	<u>na</u> _	na
Time (Min.)		9:45	na		na	na
Temperature (C°)		14.10	na		<u>na</u>	na
pH (Units)		6.99	na		na ·	na
Conductivity at 25°C (mS/cm)	1401.00	na		na	na
ORP (mV)		-125.00	na		na	na
Turb (NTU)		982.20	na		na	na
DO (%)		-	na	_	na	na
Total Volume Purged		9.0	gallons			
Water Appearance (de	scribe color, clarity odor:)		lerate to strong odor			
CONTINUED ON REV	TO COMPANY THE STANDARD PROPERTY OF THE STANDA					
SAMPLING PROCED						
Sampling Proce	dure: Peristaltic	rom 24 hour composi	te jug/spigot			
0		'tI \	-1			
Sample Water A	appearance (color, cl	arity, odor):	clear/moderate to st	rong odor		
ANALYTICAL PARAI	METERS				5 C. S. L. F. C. L. D. W. S. S.	4995-1299-139-14-4-1-3%
ANALITICAL FARAI	VIETERS	No. of Bottles		Preservative	/ Field	i Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtere	
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC	625	2 1 L Amber		-/		Y
Pesticides, PCBs	608	2 1 L Amber		-/	_ <u> </u>	У
		1 250 ml Poly			_ <u> </u>	Y
T. Cyanide	4500 CN-E	·		NaOH/	$-\frac{N}{N}$	· Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		H2SO4/		<u>, , , , , , , , , , , , , , , , , , , </u>
TPH O&G	1664-SGT HEM	2 1 L Amber		H2SO4/	_ <u>N</u>	
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly		H2SO4/		Y Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	Y
BOD	5210B	1 1 L Poly			N	<u>Y</u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/		Y
TSS	2540D	1 250 ml Poly		-/	N	Y
		· 				
OTHER OBSERVATI						
	ollect 24-hour compo		NAME (Print)	Brent Wheat		
samples were congalions.	ollected from spigot	aitei puiging ~ 5				
gallolia.			SIGNATURE:			

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



Sample No.: E3A Sample Date: 04-May-10

Sample Time:

SITE/SAMPLE LOCA	TION									
Site Name:	·	Honeyw	ell South Be	end				Project No.:	3310	090039
Personnel Present:	JPS/BMW				A		10.00			
· —	17:50				_ Activity	End: _	19:00			
Weather: sun	ny,70's on: Recov	erv well by	Stinky Stairs	 S						
WATER LEVEL/WEL			, ,		Philosophy and	ormatosi, est.	54.6cm034.5			
Well Depth NM	feet using			Water D	SMCCARD ALLESS AND	21.1		feet using		
(from top of well ca		(measuring	device)	vvalei L		top of we	ll casing		(meas	uring device)
Historical Well Depth:		-	Protective C	Casing Sti	,		et	Protect, Ca	•	,
•	ground surface)		1 101000110 0	-	for above-gro				ifference:	feet
Floating Product Thic	kness:	fe	eet using					_	_	
	_		_			(measurir	ng device)		
Well Condition:	<u> </u>	Bood								
Measuring Device De	contamination P			ox & DI R	inse					
PI Meter ID: na		An	nbient Air: <u>n</u>	a	ppm			Well Mouth:	na	ppm
PURGING PROCEDU										
Height of Water		al/ft (1 in)								
Column feet		/ft (1.5 in)		v	• -	1		_		
		/ft (2 in) /ft (4 in)	_	×	3c	asing vo	numes =	·	gallons to p	ourge
40/4/1551										
#VALUE!		al/ft (8 in)								
Purge Method:	ISCO 24 hour	composite/s	pigot							
Purge Vol. (gal)		_	5.00)	r	na		na		na
Time (Min.)			18:0	7	r	na		na		na
Temperature (C°)			14.6	0	r	na		na		na
pH (Units)			7.07	7	r	na		na		na
Conductivity at 25°C ((mS/cm)		1249.	00	r	ıa		na		na
ORP (mV)			-244.0	00	n	ıa		na		na
Turb (NTU)		· _	876.9	90	n	na		na		. na
DO (%)			-		n	na		na		na
Total Volume Purged			5	.00 galio	ns					
Water Appearance (de	secriba color clarity oc	lor)		 strong od						
vator / ippourarioo (ua	solibe bolor, danty de	_	Cloudy	Strong ou						
CONTINUED ON REV	VERSE									
SAMPLING PROCED										
Sampling Proce	dure: Perista	itic from 24	hour compo	osite jug/s	spigot		***************************************			er i i i i i i i i i i i i i i i i i i i
Sample Water A	Appearance (colo	or, clarity, oc	ior):	slight	tly cloudy/or	dor				
ANALYTICAL PARA	METERS		SE CONTROL SE	1000000000	0.5110402060		Cycle (city			(10 mm)
TABLE TO SELECT A SELECTION OF THE SELEC		No. o	f Bottles	eranii nii tara			Preserv	ative/	Field	Cool
Analysis	Method		ne, Type	В	ottle Lot		Volu		Filtered?	to 4°C?
voc	624	3 4	0 ml VOA	_		_	HCI	<i></i>	N	Y
SVOC	625	2 1	L Amber			_	-/		N	Υ
Pesticides, PCBs	608	2 1	L Amber				-/		N	Υ
T. Cyanide	4500 CN-E	12	50 ml Poly				NaO	H/	N	Y
T. O&G (FOG)	1664-HEM	21	L Amber			_	H2S0	04/	N	Υ
TPH O&G	1664-SGT HE	v121	L Amber				H2S0	04/	N	Υ
Ammonia, Nitrogen	4500 NH3-F	1 2	50 ml Poly			_	H2S0	04/	N	Y
T. Metals	200.7/200.8	1 5	00 ml Poly			_	HNC)3/	N	Υ
BOD	5210B	1_1	L Poly			_	-/		N	Υ
Phosphorus	365.1	12	50 ml Poly				H2S0	04/	N	Υ
TSS	2540D	1 2	50 ml Poly				-/		N	Y
OTHER ORDER	10110									
ISCO used to co	ONS ollect 24-hour co	mnosite sar	nnle Grah	NIABA	E (Brist)	Б	rent \A/L	eat		
	ollected from spi			NAN	E (Print)	В	rent Wh	Edl		
gallons.		- •		SIGN	JATURF:					

Notes:

Described whether well was locked and the condition of the protective casing and concrete collar. 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 LOC	CATION					
Site Name:	Н	oneywell South Bend	i	Project N	o.: 3310	0090039
Personnel Present:	MLM - Peerless Midv	west				
Activity Start:	9:17		Activity E	ind: <u>-</u>		
	inny, mild, breezy,					
Well Type and Loca						
WATER LEVEL/WE	territorio de la companio de la comp					
Well Depth: 95.			•	5.38 feet usi		
(from top of well	casing) (mea	asuring device)	, ,	p of well casing)	•	suring device)
Historical Well Dept		Protective Ca	· · —		Casing Well	
•	om ground surface)		(for above-groun	nd surface) Casing	g Difference: _	feet
Floating Product Thi	ickness:	feet using		(managed and a start of		
144 H Q 177				(measuring device)		
Well Condition:	· · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
•	econtamination Procedu		& DI Rinse			
Pl Meter ID: na		Ambient Air: na	ppm	Well Mou	th: na	ppm
PURGING PROCEI						
Height of Water	.041 gal/ft (1					
Column feet	.09 gal/ft (1.5	•				
	X .16 gal/ft (2 i		3 cas	sing volumes = 39	0.0 gallons to	ourge
	.65 gal/ft (4 i	n) 13.0				
79.72	2.6 gal/ft (8 in)				
Purge Method:	Grundfos & Disposal	ble bailer .				
				· · · · · · · · · · · · · · · · · · ·		
Purge Vol. (gal)		13.00	26.0	0 34.00		39.00
Time (Min.)		9:22	9:28			9:55
Temperature (C°)		17.30	17.0			16.90
pH (Units)		6.99	7.13		-	7.10
Conductivity at 25°C	\m\$/om\	1443.00				1635.00
ORP (mV)	(mo/cm)	-	_			
Turb (NTU)		na na	na	na na		na
DO (%)			na			na
DO (76)		na	na	na		na
Total Volume Purge	d	39.0	<u>0</u> gallons			•
Water Appearance (describe color, clarity odor:)	rusty, no	odor, then clear			
SAMPLING PROCE	DURES					
Sampling Prod	cedure: disposable b	ailer				
Sample Water	Appearance (color, clar	ity, odor):				
ANALYTICAL PAR	AMETERS					
		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Υ
D. Metals	6020B	1 500 ml Poly		HNO3/	<u> </u>	<u> ү</u>
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Υ
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Υ
						···
OTHER OBSERVA	TIONS					
	ple = MW-103		NAME (Print)	Megan McMeans		
			, ,	-		
Matan (4) 5	and and what	alead and the end of the	SIGNATURE:	n and assesser !!		
Notes: (1) De	escribed whether well was lo	ouncu anu me condition	i oi ille protective casing	y and contrete 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 LOC	ATION	112					
Site Name:		neywell South Ben	d		Project No.:	3310	090039
Personnel Present:	MLM - Peerless Midw	est					
Activity Start:	7:36		A	ctivity End:	-		
	nny, breezy, mild,						
Well Type and Locati							
WATER LEVEL/WE							
Well Depth: 96.9			Water Depth: _	16.62	feet using		
(from top of well of	casing) (meas	suring device)		(from top of well ca	asing)	(meas	uring device)
Historical Well Depth		Protective Ca	asing Stickup:	feet	Protect. Ca	•	
•	m ground surface)		(for abov	/e-ground surface)	Casing L	Difference: _	feet
Floating Product Thic	ckness:	feet using		(me:	asuring device)		
Well Condition:				(11)	asuming device)		
	 econtamination Procedur	Aloonov	& DI Rinse				
	scontainination Frocedur	Ambient Air: na		nnm	Well Mouth:	no	nnm
 _		Ambient All. Ha	2001 St. 2018 St. 1982 PMAN ST. 1982 PM	ppm	vveii iviouti i.	na na	ppm
PURGING PROCED		-1				***************************************	
Height of Water Column feet	.041 gal/ft (1 i						
Column leet	X .16 gal/ft (2 in	•	3	casing volun	nec = 30 3	gallons to p	urae
	.65 gal/ft (4 in			casing volun		_gallona to p	ruige,
00.00		,					
80.28	2.6_ gal/ft(8	s in)					
Purge Method:	Grundfos & Disposab	e bailer					
Purge Vol. (gal)		13.00		26.00	34.00		39.00
Time (Min.)		7:41		7:46	7:49	-	8:10
Temperature (C°)		13.20		13.10	13.10		12.80
pH (Units)		7.66		7.54	7.59	-	7.49
Conductivity at 25°C	(mS/cm)	602.10		600.50	601.70		580.90
ORP (mV)	•	na	<u> </u>	na	na		na
Turb (NTU)		na		na	na	-	na
DO (%)		na		na	na		na
Total Volume Purged	İ	40.0	00 gallons		-		
Water Appearance (d	escribe color, clarity odor:)	cloudy w	ith gray sedime	ent			
		VIV. AARTO COROLL NO OU VA VIRGO SA	ustre en energia de la francia de reconstruir de la francia de la francia de la francia de la francia de la fr	856 Supposition Management (Committee of the contract of t	- Control (1997)	On any of the collection and many of
SAMPLING PROCE	and the second of the second o	ilor					
Sampling Proce	edure: disposable ba						
Sample Water	Appearance (color, clarit	v. odor):	-				
ANALYTICAL PARA						4.87	
	and the state of t	No. of Bottles		Pre	eservative/	Field	Cool
Analysis		/olume, Type	Bottle Lo		Volume	Filtered?	to 4°C?
voc	8260B	3 40 ml VOA			HCL/	N	Y
D. Metals	6020B	1 500 ml Poly			HNO3/	Υ	Υ
T. Phenois	420.1	1 250 ml Amber			-12SO4/	N	Υ
T. Cyanide	9012A	1 250 ml Poly			NaOH/	N	Υ
OTHER OBSERVAT	TONS						
-	-		NAME (Prin	t) Meas	an McMeans		
				, <u>5</u>			
			SIGNATUR				
Notes: (1) Des	scribed whether well was loo	ked and the condition	n of the protectiv	e casing and conc	rete collar.		

(2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: Sample Date: 04-May-10

Sample Time: 15:01

SITE/SAMPLE LOCA	TION			*	
Site Name:	Hon	eywell South Bend		Project No.:	3310090039
Personnel Present:	MLM - Peerless Midwe	est		-	
	13:38		Activity End:	-	.
	n, breezy, clear,				
Well Type and Locatio	n: <u>-</u>				
WATER LEVEL/WELI	titististiin talkaan ka				
Well Depth: 118.60			/ater Depth: 20.11		
(from top of well ca	asing) (measi	uring device)	(from top of	well casing)	(measuring device)
Historical Well Depth:	feet	Protective Cas	· · · · · · · · · · · · · · · · · · ·	_feet Protect. Cas	•
•	ground surface)		(for above-ground su	urface) Casing Dif	ference: feet
Floating Product Thick	iness:	feet using		(managing daying)	
MATERIA CONTRACTOR CON				(measuring device)	
Well Condition:	-				
	contamination Procedure			***************************************	
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth: _	na ppm
PURGING PROCEDU					4.5
Height of Water	.041 gal/ft (1 ir	·			
Column feet	.09 gal/ft (1.5 i	•			
	.16 gal/ft (2 in)	X 642	3 casing	volumes =192.9 g	gallons to purge
	.65 gal/ft (4 in)	64.3			
<i>98.4</i> 9	2.6 gal/ft(8	in)			
Purge Method:	Grundfos & Disposable	e bailer			
ŭ					
Puras Val. (asl)		64.00	128.00	187.00	192.00
Purge Vol. (gal)		14:00	14:22	14:42	15:01
Time (Min.)	•				
Temperature (C°)		16.50	16.50	16.30	17.30 8.32
pH (Units)	C (a)	7.53	7.41	7.40	289.70
Conductivity at 25°C (r	m5/cm)	971.20	1042.00		
ORP (mV)		na	na na	na na	na
Turb (NTU)		na	na	na	na
DO (%)		na	na na	na	na
Total Volume Purged		193.00	gallons		
Water Appearance (des	scribe color, clarity odor:)	-	•		
,,					
SAMPLING PROCED	URES				5
Sampling Proced		iler			
Sample Water A	ppearance (color, clarity	/, odor):	-		
ANALYTICAL PARAI	METERS				
	١	lo. of Bottles		Preservative/	Field Cool
Analysis	Method V	'olume, Type	Bottle Lot	Volume i	Filtered? 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 OBSERVATION	ONS			· · · · · · · · · · · · · · · ·	
Collect MS/MSD			NAME (Print)	Megan McMeans	
Notes: (1) Desc	rihed whether well was lock	ked and the condition	SIGNATURE:	d concrete coller	

(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 LOC	ATION					
Site Name:		Honeywell South Bend		Project No	o.:33100	090039
Personnel Present:	MLM - Peerless	Midwest				
Activity Start:	10:22		Activity E	nd:		
	ld, mlear, tion: Monitor	ing woll				-
Well Type and Loca		ing weii				
WATER LEVEL/WE	and the second section of the section of t		_			
Well Depth: 186.				4.3 feet usin		
(from top of well	casing)	(measuring device)		of well casing)		uring device)
Historical Well Depth		et Protective Cas	· · — · — ·		Casing Well	6
•	om ground surface)		(for above-ground	d surface) Casing	Difference:	feet
Floating Product Thi	ckness:	feet using		(magazina davies)		
M II O - 122				(measuring device)		
Well Condition:	· ·		0.01.01			
Measuring Device D				107. H B # - 11		
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouti	h: na	ppm
PURGING PROCE						
Height of Water		I/ft (1 in)				
Column feet		ft (1.5 in)				
	.16 gal/i		3 casi	ing volumes = 337.	.8 gallons to p	urge
	X .65 gal/f	ft (4 in) 112.6				
172.5	2.6_ga	al/ft (8 in)				
Purge Method:	Grundfos and D	isposable bailer				
, ango mounour						~
Durgo Vol. (gol)		112.00	224.0	0 331.00		336.00
Purge Vol. (gal)						12:35
Time (Min.)		11:00	11:38			
Temperature (C°)		15.20	15.30	<u>15.80</u> 7.72		17.10 8.60
pH (Units)	(O/)	7.59	7.69			
Conductivity at 25°C	(mS/cm)	436.10	458.1			253.30
ORP (mV)		na	_ <u>na</u>	na		na
Turb (NTU)		na	_ <u>na</u>	na		na
DO (%)		na	_ <u>na</u>	na		na
Total Volume Purge	d	338.00	galions			
Water Appearance	describe color, clarity odor	:) clear, no c	odor			
,,	•	,			-	
SAMPLING PROCE	DURES					
Sampling Proc	Contract Advantage Contract Co	able bailer				
	·					
Sample Water	Appearance (color	, clarity, odor):	=			
ANALYTICAL PAR	AMETERS					
W. S. Dallant (Ch. Later of Co., 1996). Adaptive his administrative		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Υ
D. Metals	6020B	1 500 ml Poly		HNO3/	Υ	Υ
T. Phenois	420.1	1 250 ml Amber		H2SO4/	N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Υ
OTHER OBSERVA	TIONS					
	ple = MW-100		NAME (Print)	Megan McMeans		
•	•					
			SIGNATURE:			
Notes: (1) De	scribed whether well v	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

	ACIE			Sample Date: Sample Time: _	04-May- 9:49	10
SITE/SAMPLE LOC Site Name: Personnel Present:	. 2006 C. D. Contraction Co. Co. Contraction of the Contraction of the Contraction of the Contraction of the Co	eywell South Bend st	•	Project No.:_	33100	90039
Activity Start: Weather: mi	8:30 ld, clear sky,		Activity End:	•		
Well Type and Local			·			
WATER LEVEL/WE						
Well Depth: 78. (from top of well		wauring device)	ter Depth: 12.25 (from top of well cas	feet using sing)	(measu	ring device)
Historical Well Deptl (fro	n:feet om ground surface)	Protective Casin	g Stickup: feet (for above-ground surface)	Protect. Cas Casing Dif	•	feet
Floating Product Thi	ckness:	feet using	(mea	suring device)		
Well Condition:						
Measuring Device D PI Meter ID: na	econtamination Procedure	: Alconox & I	DI Rinse ppm	Well Mouth:	na	ppm
PURGING PROCED	DURES			_		
Height of Water Column feet	.041 gal/ft (1 in .09 gal/ft (1.5 in .16 gal/ft (2 in) X .65 gal/ft (4 in)	n) X	3 . casing volum	es =129.5 g	allons to pu	ırge
66.15	2.6 gal/ft (8					
Purge Method:	Grundfos and disposab					
Purge Vol. (gal)		43.00	86.00	124.00		129.00
Time (Min.)		8:45	9:00	9:13		9:49
Temperature (C°)		16.30	16.80	16.20		13.80
pH (Units)	(mClam)	7.16	7.29	7.26 630.10		8.12 305.50
Conductivity at 25°C ORP (mV)	(mo/cm)	622.80 na	625.10 na	na		na
Turb (NTU)		na	na -	na		na
DO (%)		na	na	na		na
Total Volume Purge	d	130.00 g	aallons			
Water Appearance		a little cloudy				
SAMPLING PROCE Sampling Proc			rusty, no odor	The second secon	er en	and the second second
ANALYTICAL PAR		, 646.7.	<u> </u>	<u> </u>	¥ 4, 4, 4	
Analysis	N	io. of Bottles olume, Type		servative/ /olume F	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Υ Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Υ	Y
T. Phenols	420.1	1 250 ml Amber	Н	2804/	N	Υ
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
OTHER OBSERVA	TIONS		NAME (Disc)	. Mahaana		

NAME (Print)

Megan McMeans

SIGNATURE:

- Described whether well was locked and the condition of the protective casing and concrete collar. 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 LOC	CATION			•		
Site Name:		Honeywell South Bend		Project No.	: 3310	090039
Personnel Present:	MLM - Peeriess N	·				
Activity Start:	15:59		Activity End:	-		
Weather:						
Well Type and Loca	tion: <u>-</u>					
WATER LEVEL/WE						
Well Depth: 61.			Nater Depth: 15.43	feet using		
(from top of well		measuring device)	(from top of v		•	uring device)
Historical Well Dept		t Protective Ca	·		asing Well	f l
•	om ground surface)		(for above-ground su	rrace) Casing	Difference: _	feet
Floating Product Thi	ickness:	feet using		(measuring device)		
Well Condition:	_			(measuring device)		
	econtamination Proc	edure Alconox	& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	: na	ppm
		7 (TIDICITY W. TIG	PP!!!	Well Would	- 11u	ppiii
PURGING PROCEL Height of Water	JURES .041 gal/f	+ /1 in\				
Column feet	.09 gal/ft					
	.16 gal/ft	•	3 casing	volumes = 91.0	gallons to r	ourae
	X .65 gal/ft	, ,				
46.47	26 gal	/ft (8 in)				
						
Purge Method:	Grundfos and dis	posable bailer				
Purge Vol. (gal)		30 (5/4/10	0) na	na		5 (5/5/10)
Time (Min.)		16:09	na	na		10:48
Temperature (C°)		20.90	na	na		21.00
pH (Units)		8.11	na	na		8.02
Conductivity at 25°C	(mS/cm)	717.50	na	na		737.70
ORP (mV)		na	na	na na		na
Turb (NTU)		na	na	na		na
DO (%)		na	na	na		na
Total Volume Purge	d	35.0	0 gallons			
	describe color, clarity odor:)		odor, turning cloudy			
vvater Appearance (describe color, darity odor.)	Clear, no	odor, turning cloudy			
SAMPLING PROCE	ENURES					70 / 36 Z. L. A. S. S. S. S. S. S.
Sampling Proc	and the second s	le bailer			and the second second	
	, odd, 0,					
Sample Water	Appearance (color, o	clarity, odor):	-			
ANALYTICAL PAR	AMETERS					
		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N	Υ
D. Metals	6020B	1 500 ml Poly		HNO3/	ΥΥ	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N	Υ
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Υ
OTHER OBSERVA	TIONS				•	
	ped dry after 10 minu		NAME (Print)	Megan McMeans		
Returned follo	wing morning to resa	mple with bailer.	CIONATURE			
Notes: (1) De	escribed whether well we	as locked and the condition	SIGNATURE: of the protective casing and	l concrete collar		 .
(2) De	escribe sequence of pur	ging/sampling including eq	uipment type and decontami	nation method.		



 Sample No.:
 D12
 05 10

 Sample Date:
 05-May-10

 Sample Time:
 13:49

SITE/SAMPLE LOC	ATION					
Site Name:		neywell South Bend	<u> </u>	Project No	o.:3310	090039
Personnel Present:	MLM - Peerless Midw	est				
Activity Start:	12:01		Activity End	d:		
	ld, partly cloudy, breezy,					
Well Type and Locat		on term live and the vertex of the control of the c	**************************************		Control of Control on Control of Control	-1.0010.1010.0010.000.000
WATER LEVEL/WE						
Well Depth: 147.	_	suring device)	Water Depth: 19.7	of well casing) feet using		uring device)
Historical Well Depth	n:feet	Protective Ca	sing Stickup:	feet Protect. (Casing Well	
(fro	om ground surface)		(for above-ground	surface) Casing	Difference:	feet
Floating Product Thi	ckness:	feet using		(measuring device)		
Well Condition:	<u>-</u>			(measuring device)		
	econtamination Procedu	e: Alconox	& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mouti	h: na	ppm
PURGING PROCED	DURES					
Height of Water	.041 gal/ft (1	in)				
Column feet	.09 gal/ft (1.5					
	.16 gal/ft (2 in		3 casin	g volumes =249.	.3 gallons to p	ourge
	X .65 gal/ft (4 in) 83.1				
127.33	2.6 gal/ft (3 in)				
Purge Method:	Grundfos & disposabl	e hailer				
r arge metroa.	Cranatos a disposabl	C Danci				
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	d	250.0	0 gallons			
Water Appearance (describe color, clarity odor:)	clear, no	odor			
SAMPLING PROCE Sampling Proc		ulor				
Sampling Proc	edure. disposable ba					
Sample Water	Appearance (color, clari	y, odor):	gray & cloudy, no odd	or		
ANALYTICAL PAR		N. C. M.			Field	01
Analysis		No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
Analysis VOC	8260B	3 40 ml VOA	Bottle Lot	HCL/	N N	10 4 C ! Υ
D. Metals	6020B	1 500 ml Poly		HNO3/		
T. Phenols	420.1	1 250 ml Amber	•	H2SO4/		<u>,</u> У
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
<u>y</u>				1		
OTHER OBSERVA	TIONS					
-			NAME (Print)	Megan McMeans		
			SIGNATURE			
			SIGNATURE:			

- (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.: Sample Date: 03-May-10

Sample Time: 20:45

SITE/SAMPLE LOC	ATION				
Site Name:		Honeywell South Bend		Project No.: _	3310090039
Personnel Present:	JPS/BMW				
Activity Start:	19:13		Activity End: _	21:00	
	oudy,60's	t along Bendix			
Well Type and Locat		t along benuix			
WATER LEVEL/WE					
Well Depth: 188.		neasuring device)	ater Depth: 14.97	feet using	(measuring device)
, ,			·		
Historical Well Depth	n:feet om ground surface)	Protective Casir	ig Stickup:ie (for above-ground surf	eet Protect. Cas ace) Casing Dif	•
Floating Product Thi		feet using	(10) above ground carry	Casing Dir	
r loating r roddot riii				(measuring device)	
Well Condition:	good	I			
Measuring Device D	econtamination Proce		DI Rinse		
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCED	OURES			-	
Height of Water	.041 gal/ft	(1 in)			
Column feet	X .09 gal/ft (1.5 in)			
	.16 gal/ft (-	3 casing vo	olumes =47.7 g	allons to purge
	.65 gal/ft (4 in) 15.9			
173.33	2.6 gal/f	t (8 in)			
Purge Method:	Air lift/peristaltic	•			
r arge Metrica.	All libperistation				
Dune Val (nel)		11.70	22.40	25.40	46.00
Purge Vol. (gal)		11.70	23.40	35.10	46.80
Time (Min.)		20:05	20:16	20:27	20:40 14.71
Temperature (C°) pH (Units)	•	15.06 7.04	14.65 7.05	7.07	7.07
Conductivity at 25°C	(mSlom)	1.05	1.04	1.02	1.40
ORP (mV)	(IIIO/CIII)	-82.00	-85.00	-76.00	-82.00
Turb (NTU)	•	23.81	195.10	788.40	553.60
DO (%)		0.45	0.46	0.42	0.44
DO (%)			-		<u> </u>
Total Volume Purge	d	47.00	gallons		
Water Appearance (describe color, clarity odor:)	slight cloud	y progressed to cloudy		
SAMPLING PROCE	DURES				A A SA A
Sampling Proc	edure: peristaltic				
Sample Water	Appearance (color, c	arity odor):	cloudy		
ANALYTICAL PAR	AWEIEKO	No. of Bottles		Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot		Filtered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
D. Metals	6020B	1 500 ml Poly		HNO3/	YY
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N Y
				1	
OTHER OBSERVA	TIONS				
	ke located approximat	ely 50' below air lift	NAME (Print) B	rent Wheat	
injection point		<u> </u>			
	, ,		SIGNATURE:		
Notes: (1) De	scrined whether well was	s locked and the condition o	r the protective casing and o	concrete collar.	

- 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

SITE/SAMPLE LOCA	TION			•		
Site Name:	Hoi	neywell South Bend	e reconstruit de la constantina de la c	Project No	.: 3310	090039
Personnel Present:	JPS/BMW			····		
Activity Start:	18:35		. Activity End:	19:00		
Weather: clou	dy,60's					
Well Type and Location	on: 2" flushmount	near Carbon Brake				
WATER LEVEL/WEL	L DATA					
Well Depth: 15.40	~		Vater Depth: 11.19			
(from top of well ca	asing) (meas	suring device)	(from top of	well casing)	(meas	uring device)
Historical Well Depth:	feet	Protective Cas	sing Stickup:	feet Protect. C	Casing Well	
(from	n ground surface)		(for above-ground su	ırface) Casing	Difference:	feet
Floating Product Thick	(ness:	feet using			į.	
				(measuring device)		
Well Condition:	good					
•	contamination Procedur		& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	n: <u>na</u>	ppm
PURGING PROCEDU	JRES					
Height of Water	.041 gal/ft (1 i	•				
Column feet	.09 gal/ft (1.5	*				•
	X .16 gal/ft (2 in		3 casing	volumes = 2.	1 gallons to p	urge
	.65 gal/ft (4 in) 0.7				
4.21	2.6 gal/ft(8	3 in)				_
Purge Method:	peristaltic					
, ango mounou.						
Purge Vol. (gal)		0.50	1.00	1.50		2.00
Time (Min.)		18:44	18:47	18:50		18:53
Temperature (C°)		13.24	13.22	13.16		13.09
pH (Units)		7.00	6.99	6.98		6.98
Conductivity at 25°C (mS/cm)	1.15	1.15	1.15		1.15
ORP (mV)	inorom,	-41.00	-48.00	-59.00		-62.00
Turb (NTU)		7.02	14.99	28.27	-	50.06
DO (%)		0.29	0.18	0.05		0.03
		-				0.00
Total Volume Purged			<u>)</u> gallons			
Water Appearance (de	scribe color, clarity odor:)	clear/odor		·		
SAMPLING PROCE	NIDES					
Sampling Proce	and the first of the control of the					
	auto, ponotanto					
Sample Water A	Appearance (color, clarit	y, odor):	clear/strong odor			
ANALYTICAL PARA	METERS					
varanten en e	on a constituent dans transfering behande dan selekti beranta beranta beranta beranta beranta beranta beranta b	No. of Bottles		Preservative/	Field	Cool
Analysis	Method \	/olume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
voc	8260B	3 40 ml VOA		HCL/	<u> </u>	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	<u> </u>	<u>Y</u>
T. Phenois	420.1	1 250 ml Amber		H2SO4/	<u> </u>	<u>Y</u>
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	<u>Y</u>
OTHER OBSERVATI	IONS				·	
-			NAME (Print)	Brent Wheat		
		•				
Notes (d) Dec			SIGNATURE:	dto a llan		

: (1) Described whether well was locked and the condition of the protective casing

(2) Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: Sample Date: 05-May-10

Sample Time: 16:17

SITE/SAMPLE LOCA	ATION					ja ja
Site Name:		neywell South Bend		Project No.	: 3310090039	
Personnel Present:	MLM - Peerless Midwe	est				
Activity Start:	-	-	Activity Er	nd: -		
	tly sunny, warm, breezy,			· · · · · · · · · · · · · · · · · · ·		
Well Type and Locati	on: <u>-</u>					
WATER LEVEL/WEI						
Well Depth: 21.0			Vater Depth: 15.		·	
(from top of well of		uring device)	,	of well casing)	(measuring devi	ice)
Historical Well Depth		Protective Cas	sing Stickup:		asing Well	
•	n ground surface)		(for above-ground	i suпасе) Casing I	Difference: feet	
Floating Product Thic	Kness:	feet using		(measuring device)	·	
Well Condition:				(measuring device)		
	<u>-</u> econtamination Procedur	a: Alconox A	& DI Rinse			
Pl Meter ID: na	contamination i rocedur	Ambient Air: na	ppm	Well Mouth	: na ppm	
		Ambient Alt. na	ppiii	vven would	:ppm	MOOT 10000006G
PURGING PROCED Height of Water	URES .041 gal/ft (1 ii	n)				
Column feet	.09 gal/ft (1.5	•				
Column 100t	X .16 gal/ft (2 in	•	3_ casi	ng volumes = 2.7	7 gallons to purge	
	.65 gal/ft (4 in				_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	<u> </u>
pH (Units)		7.24	7.24	7.24	na	
Conductivity at 25°C	(mS/cm)	2829.00	2726.0	0 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 (de	escribe color, clarity odor.)		_			
· · · · · · · · · · · · · · · · · · ·	seems seren, clarity sector.					
SAMPLING PROCEI	DURFS					100000
Sampling Proce		iana a la				
Sample Water	Appearance (color, clarity	y, odor):	-	 -		
ANALYTICAL PARA	METERS					
	N	lo. of Bottles		Preservative/	Field Cool	
Analysis	Method \	olume, Type	Bottle Lot	Volume	Filtered? 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/	$\frac{N}{N}$ $\frac{Y}{Y}$	
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N Y	
				/		
OTHER OBSERVAT	TIONS			<u></u>		
-			NAME (Print)	Megan McMeans		
			SIGNATURE:			

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



Sample No.: MW-5 Sample Date: 05-May-10

Sample Time:

SITE/SAMPLE LOC	CATION	Principal Company of the Company of			and the second
Site Name:		neywell South Bend		Project No.:	: 3310090039
Personnel Present:	MLM - Peerless Midw	vest			
Activity Start:			Activity End:	-	
	oudy, warm, breezy,				
Well Type and Loca					Dro original serveral
WATER LEVEL/WE	August was a state of the control of				
Well Depth: 20. (from top of well		suring device)	Vater Depth: 15.92	! feet using well casing)	(measuring device)
			` .	σ,	asing Well
Historical Well Depti	h:feet om ground surface)	Protective Cas	(for above-ground s	-	Difference: feet
Floating Product Thi	•	feet using	(outing L	
Trouting Froduct				(measuring device)	
Well Condition:	-		•		
Measuring Device D	econtamination Procedu	re: <i>Alconox</i>	& DI Rinse		
PI Meter ID: na	ı	Ambient Air: na	ppm	Well Mouth:	: na ppm
PURGING PROCEI	DURES				
Height of Water	.041 gal/ft (1	in)		***	A 2000 C
Column feet	.09 gal/ft (1.5	in)			
	X .16 gal/ft (2 ir		3 casing	volumes = 2.4	gallons to purge
	.65 gal/ft (4 ir	n) 0.8			
4.88	2.6 gal/ft (8 in)			
Purge Method:	Peristaltic				
r arge metroa.					
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 na
Conductivity at 25°C	(mS/cm)	1287.00	1230.00	1246.00	na
ORP (mV)		na	na	na	na na
Turb (NTU)	•	na	na	na	na
DO (%)		na	na	na	na
Total Volume Purge	d	3.0	0 gallons		-
Water Appearance (describe color, clarity odor:)	clear, no	odor		
	,	<u></u>			
SAMPLING PROCE	DURES				
Sampling Prod	cedure: Peristaltic		***************************************		
		t			
	Appearance (color, clari	iy, odor):		validas sa para Elabolina diversi una finiscione e al como de	
ANALYTICAL PAR	the contract of the contract o	No. of Bottles		Preservative/	Field Cool
Analysis		Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y
T. Phenois	420.1	1 250 ml Amber		H2SO4/	N Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N Y
				1	
OTHER OBSERVA	TIONS				
-	-		NAME (Print)	Megan McMeans	
			, ,		
			SIGNATURE:		

Described whether well was locked and the condition of the protective casing and concrete collar.

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 LOCA	TION					
Site Name:		ywell South Bend		Project No	.:3310	090039
Personnel Present:	JPS/BMW					
	5:31		Activity End	d: <u>16:07</u>		
Weather: cloud Well Type and Location	ly,60's n: flushmount in F	lant 1				
		idiil i		30 47 7 ** 30000 0000 000 000 000 000 000 000 0		and change where
WATER LEVEL/WELL	Allen and which reserves to the control of the cont					
Well Depth: 18.20 (from top of well ca	. •	ring device)	Vater Depth: 14.8	feet using feet using		suring device)
• •		-	, ,	σ,	•	uning device/
Historical Well Depth:	ground surface)	Protective Cas	sing Stickup:		Casing Well Difference:	feet
Floating Product Thick	-	feet using	(10) above ground	Januaco) Casing	Difference. —	
r loating r roduct rillon				(measuring device)		
Well Condition:	good					
Measuring Device Dec	ontamination Procedure:	Alconox &	& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	ı: na	ppm
PURGING PROCEDU	RES				-	
Height of Water	.041 gal/ft (1 in)					and color consideration
Column feet	.09 gal/ft (1.5 in					
	X .16 gal/ft (2 in)	X	3 casin	g volumes = 1.i	6 gallons to p	ourge
	.65 gal/ft (4 in)	0.5				
3.37	2.6 gal/ft (8 i	n)				
Purge Method:	peristaltic					
r dige Metrod.	portotaillo		***************************************			
Purge Vol. (gal)		0.40	0.80	1.20		1.62
Time (Min.)		15:48				15:59
Temperature (C°)		13.50	12.40	12.20		12.10
pH (Units)		6.93	6.99	6.99		6.99
Conductivity at 25°C (n	nS/cm)	1159.00	1172.00			1167.00
ORP (mV)		-74.00	-78.00	-75.00		-74.00
Turb (NTU)		817.30	824.70	823.50		824.70
DO (%)		-	-			
Total Volume Purged		2.00	gallons			
			gallons			
Water Appearance (des	cribe color, clarity odor:)	clear				
SAMPLING PROCED	UDEO.		Vice State of the Control of the Con			
Sampling Proced						
	u.e. ponetanie					
Sample Water Ap	ppearance (color, clarity,	odor):	clear			
ANALYTICAL PARAN	IETERS					
		o. of Bottles		Preservative/	Field	Cool
Analysis		lume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC		3 40 ml VOA		HCL/	<u>N</u>	Y
D. Metals		1 500 ml Poly		HNO3/	<u> </u>	Y Y
T. Phenols T. Cyanide		1 250 ml Amber 1 250 ml Poly		H2SO4/ NaOH/		<u> </u>
1. Cyanide	301ZA	1 ZUU IIII FUIY		/		
OTHER OBSERVATIO	DNS		NIANAE (Detect)	Dec. at 1875 1		
-			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.



 MW-9
 05 10

 Sample Date:
 05-May-10

 Sample Time:
 9:00

						_		ample time.	- 0.00	
SITE/SAMPLE LOCA	ATION									16.5
Site Name:		Honey	well South Be	end				Project No.:	3310	090039
Personnel Present:	BMW						·		`	
Activity Start:	8:32				Act	ivity End: _	9:05			
	ny,60's									
Well Type and Locati	on:	2" flushmount in	parking lot							
WATER LEVEL/WEL	L DATA									
Well Depth: 19.8	0 feet	using		Water	Depth:	14.13		feet using		
(from top of well of	asing)	(measuri	ng device)		(fr	om top of w	veil casing)		(meas	uring device)
Historical Well Depth:		feet	Protective (Casing S	Stickup:		feet	Protect. Ca	sing Well	
(fror	n ground su	ırface)			(for above	-ground sur	rface)	Casing D	ifference:	feet
Floating Product Thic	kness:		_feet using _							
							(measurin	g device)		
Well Condition:		good								
Measuring Device De	contamina	ation Procedure:	Alcono	ox & DI I	Rinse					
PI Meter ID: na		/	Ambient Air: <u>n</u>	а	pş	om		Well Mouth:	na	ppm
PURGING PROCED	<i>JRES</i>									
Height of Water	*	.041 gal/ft (1 in)		alestedic occus, (adeja obs. ajas jai jai		er i versi en			Same No. of Concession of Concession	
Column feet		.09 gal/ft (1.5 in)								
	X	.16 gal/ft (2 in)		х	.3	casing v	olumes =	2.8	gallons to p	ourge
		.65 gal/ft (4 in)	0.9							
5.67		2.6 gal/ft (8 in)							
			•/							
Purge Method:	peristalt	ic								
Purge Vol. (gal)			0.68	3		1.40		2.04		2.72
Time (Min.)			8:47	7		8:51		8:56		8:59
Temperature (C°)			13.2	.0		13.16		13.10		13.04
pH (Units)			7.00)		7.03		7.04		7.04
Conductivity at 25°C	(mS/cm)		1.29	9		1.26	-	1.25		1.23
ORP (mV)			233.0	00		235.00		238.00		239.00
Turb (NTU)			16.5	1		27.34		49.16		79.65
DO (%)		-	1.74	4		1.59		1.41		1.33
Total Volume Purged				—— 3.00 galle	one					
					0113					
Water Appearance (de	escribe color, o	clarity odor:)	slightly	cloudy						
SAMPLING PROCEI	~ ~~~									
Sampling Proce	dure:	peristaltic								
Sample Water	\nnoarana	e (color, clarity,	ador):	clea	ır					
		e (color, clarity, t		CIE						
ANALYTICAL PARA	METERS									
Amalusia	Math		of Bottles		D-44- 1 -4		Preserva		Field	Cool
Analysis	Meth		ume, Type	l	Bottle Lot		Volun		Filtered?	to 4°C?
VOC D. Metals	8260B		40 ml VOA	-			HCL		<u>N</u> Y	Y
	6020B		500 ml Poly				HNO		, N	<u> </u>
T. Phenois	420.1		250 ml Ambe				H2SC		N	Y
T. Cyanide	9012A		250 ml Poly	· —	· · · -		NaOl	-1/	- N	
							/	 .		
OTHER OBSERVAT	IONS									
-				NAM	ME (Print)	1	Brent Whe	eat		
				010	114T: 10-					
				SIG	NATURE	:				

(1) Described whether well was locked and the condition of the protective casing and concrete collar.

Notes:

(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 LOC	ATION					
Site Name:		Honeywell South Bend		Project No	.: 3310	090039
Personnel Present:	JPS/BMW					
Activity Start:	16:43		Activity En	d: <u>17:30</u>		
	udy,60's					
Well Type and Locat		unt near carbon brake				
·	TOWN TO THE CHANGE THE CASE THE WAS A CONTRACT OF PROPERTY OF					
Well Depth: 19.4	_	V neasuring device)	Vater Depth: 11.8	of well casing)		
(from top of well		- ,	•	•,	·	uring device)
Historical Well Depth	r: feet ground surface)	Protective Cas	sing Stickup:		Casing Well	foot
,	- ,	ft:	(for above-ground	surface) Casing	Difference: _	feet
Floating Product Thic	ckness:	feet using		(measuring device)		
Well Condition:	good	i I		(modeding device)		
	econtamination Proce		& DI Rinse			
Pi Meter ID: na	300/114/11/14/10/17 7 7 0 0 0	Ambient Air: na	ppm	Well Mouth	ı: na	ppm
PURGING PROCED	UDEC	- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	PP			PP'''
Height of Water	.041 gal/ft	(1 in)				
Column feet	.09 gal/ft (
	X .16 gal/ft (2	•	3 casir	ng volumes = 3.	7 gallons to p	ourae
	.65 gal/ft (4				,	9 -
7.57	2.6 gal/fi	/ Q in)				
		. (0111)				
Purge Method:	peristaltic				·····	
Purge Vol. (gal)		0.91	1.82	2.73		3.63
Time (Min.)		17:03	17:08	17:15		17:19
Temperature (C°)		12.19	12.27	12.17		12.12
pH (Units)		6.92	6.92	6.92		6.92
Conductivity at 25°C	(mS/cm)	1.57	1.42	1.31		1.31
ORP (mV)		113.00	112.00	113.00		113.00
Turb (NTU)		28.67	64.19	90.41		95.42
DO (%)		0.42	0.29	0.20	_	0.19
Total Volume Purged	I	4.50	gallons			
Water Appearance (d	escribe color, clarity odor:)	clear	_			
rator rippodrantos (a	oosido oolor, olarity odor.,					,
SAMPLING PROCE	DURFS					
Sampling Proce	and the second s					
Sample Water	Appearance (color, cl	arity, odor):	clear			
ANALYTICAL PARA	METERS				40	
		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC_	8260B	3 40 ml VOA		HCL/	N	Y
D. Metals	6020B	1 500 ml Poly		HNO3/	<u>Y</u>	Y Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N N	Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	<u>Y</u>
OTHER OBSERVAT						
MW-104 = Dup	licate sample		NAME (Print)	Brent Wheat		
			SIGNATURE:			
			SIGNATURE:			

⁽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 Sample Date: 05-May-10

Sample Time: 18:00

SITE/SAMPLE LOCA	ATION		42			10.456	an et al and an
Site Name:	H	oneywell South Bend		F	roject No.:	33100	90039
Personnel Present:	JPS/BMW						
Activity Start:	17:35		Activit	y End:18:05			
	udy,60's						
Well Type and Locati		nt near carbon brake					
WATER LEVEL/WEL		Carlanda estados anterior de como como contrator de como contrator de como contrator de como contrator de como					
Well Depth: 21.7			Vater Depth:	16.26	feet using		
(from top of well o	· .	asuring device)	- `	top of well casing)		•	ring device)
Historical Well Depth:		Protective Cas			Protect. Casi	•	faat
,	n ground surface)	F. at a street	(for above-gre	ound surface)	Casing Diff	erence:	feet —
Floating Product Thic	kness:	feet using		(measuring	device)		
Well Condition:	good			(measuring	ucvice)		
	contamination Procedu	Ire: Alconox	& DI Rinse			• •	
PI Meter ID: na	contamination roceut	Ambient Air: na	ppm		Vell Mouth:	na	ppm
	UDFA	74TIDICTIE74II: TIQ	PPIII	·	• • • • • • • • • • • • • • • • • • •	Πα	PPIII
PURGING PROCED Height of Water	URES .041 gal/ft (1	in\					
Column feet	.09 gal/ft (1.						
Oddinin loot	X .16 gal/ft (2 i	•	3	casing volumes =	2 7 g	allons to p	irae '
	.65 gal/ft (4 i	n) 0.9		Jacking Foldings	9	2.1.01.10 to p	90
E 11		,					
5.44	2.6_ gal/ft(8 IП)					
Purge Method:	peristaltic						
Purge Vol. (gal)		0.65	1	.30	1.95		2.60
Time (Min.)		17:44		7:48 ———	17:51		17:58
Temperature (C°)		12.86	12	2.93	12.84		12.68
pH (Units)		6.64	6	.67	6.69		6.71
Conductivity at 25°C	(mS/cm)	2.38		.13	1.79		1.88
ORP (mV)		95.00		7.00	-1.00		-6.00
Turb (NTÚ)		13.54	15	 5.08	20.32		93.64
DO (%)		0.18	0	.04	-0.02	-	-0.04
		3.00	gallons			-	
Total Volume Purged			galloris				
Water Appearance (de	escribe color, clarity odor:)	clear		-			
<u>Servi, ir ai, a damoi imminenti in laibedonia dibakat</u>	DURES	and the second s					
Sampling Proce	edure: peristaltic				<u>-</u>		
Sample Water	Appearance (color, clar	ity odor).	clear				
ANALYTICAL PARA			GIGGI	Constant and the Constant of t		iosticatioas.c	SOUR BUTTERS NORTH
ANALTHCALPARA	IWIETERS	No. of Bottles		Preservat	ive/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume		iltered?	to 4°C?
VOC	8260B	3 40 ml VOA		HCL/		N	Υ
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 OPPORTUGE	TONE						
OTHER OBSERVAT	IONS		NIANAE (Drint)	Drant M/haa	,		
-			NAME (Print)	Brent Whea	11		
			SIGNATURE:				
Notes: (1) Des	cribed whether well was lo	ocked and the condition	of the protective cas	sing and concrete col	lar.		

⁽²⁾ Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: Sample Date: 05-May-10

Sample Time:

SITE/DAMPIEL OCA	TION		- 47	\$45.5E		4.52	100 CON 100 CO	Sept & pursue with a repaired	933 000 044 03 0000 0000 0000 000
SITE/SAMPLE LOCA	HUN		-!! 0 45 0-				D	0045	
Site Name: Personnel Present:	JPS/BMW	Honeyw	ell South Be	na			Project No.:	3310	090039
	18:10				Activity End	: 18:35			
· -	dy,60's				Activity Life	10.00			
Well Type and Locatio		shmount nea	r Carbon Bra	ike					
WATER LEVEL/WEL	L DATA			7/46					
Well Depth: 13.80	and the second section of the section of the section of the second section of the secti			Water Depth	n: 9.94		feet using		
(from top of well ca		(measuring	device)		(from top of				suring device)
Historical Well Depth:		feet	Protective C	asing Stickur):	feet	Protect. Ca	asing Well	
•	ground surface	-			oove-ground s	_		Difference:	feet
Floating Product Thick	ness:	f	eet using					_	
						(measuri	ng device)		
Well Condition:		good - ants							,
Measuring Device Dec	contamination	Procedure:	Alcono	x & DI Rinse					
Pl Meter ID: na		An	nbient Air: <u>na</u>	3	_ ppm		Well Mouth:	na	ppm
PURGING PROCEDU	IRES								
Height of Water		gal/ft (1 in)							
Column feet		al/ft (1.5 in)							
		al/ft (2 in)	0.6	X	3 casing	volumes :	= 1.9	gallons to p	ourge
	65 g	al/ft (4 in)	0.0						
3.86	2.6	_gal/ft (8 in)							
Purge Method:	peristaltic								
							•		
Purge Vol. (gal)			0.46		0.92		1.38		1.85
Time (Min.)		_	18:17		18:21		18:23		18:26
Temperature (C°)		_	12.27		12.10		12.10		12.09
pH (Units)		_	7.70		7.66		7.63		7.62
Conductivity at 25°C (r	nS/cm)	_	0.32		0.33		0.34		0.34
ORP (mV)	,	_	-13.0		3.00		11.00		15.00
Turb (NTÚ)		_	145.3	0	104.80		51.82		100.20
DO (%)		_	7.29		6.60		6.30		6.22
Total Volume Purged		_	2	.00 gallons					
•		_		.oo gallons					
Water Appearance (des	scribe color, clarity of	odor:)	clear						
			VIII (18.10.15.41.16.27.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.15.17.1		00000000000000000000000000000000000000	60004466000000000000000000000000000000	STANFORD I WOMEN OF THE STANFORD CO.	a need to the care	DOMESTIC AND LONG TO SECTIONS
SAMPLING PROCED Sampling Proced	on the State of th	taltia						**************************************	
Sampling Proced	iure. pens	Lattic	-						
Sample Water A	ppearance (co	lor, clarity, od	or):	clear					
ANALYTICAL PARAI									Sec. Sec.
		No. c	of Bottles			Preserv	/ative/	Field	Cool
Analysis	Method		ne, Type	Bottle	Lot	Volu	me	Filtered?	to 4°C?
VOC	8260B	3 4	IO ml VOA			HC	L/	N	Y
D. Metals	6020B	1.5	00 ml Poly			HNC	03/	Y	Y
T. Phenols	420.1	1_2	250 ml Ambe	r		H2S0	04/	N	Υ
T. Cyanide	9012A	12	250 ml Poly			NaC)H/	N	Υ
		<u> </u>							
OTHER OBSERVATION	ONS								
-				NAME (P	rint)	Brent Wh	neat		
		,		CICNIATI	IDE.				
				SIGNATU	KE.				

Described whether well was locked and the condition of the protective casing and concrete collar. 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

	Parisana and a Roberts	- 1000 NOTE -	Macroson Consumorate Assessed	mesonak kanaman intervalising keepera	Ange Properties on a contract of transfers		AT		
SITE/SAMPLE LOC	ATION								
Site Name: Personnel Present:	JPS/BN		well South Ben	α			Project No.:	3310	0090039
Activity Start:	12:28	//VV		Λ.	ctivity End:	13:00			
·	udy,60's				Clivity Elia.	13.00			
Well Type and Locat		2" flushmount in	front of Gate 9						
WATER LEVEL/WE	LL DATA								
Well Depth: 18.8		using		Water Depth:	14.95		feet using		**************************************
(from top of well			ng device)	_	(from top of				suring device)
Historical Well Depth	:	feet	Protective Ca	asing Stickup:		feet	Protect. Ca	asing Well	
(fro	m ground s	urface)		_	ve-ground st	_		Difference:	feet
Floating Product Thic	kness:		feet using						
						(measuri	ng device)		
Well Condition:		good							
Measuring Device De	econtamin			& DI Rinse					
Pl Meter ID: <u>na</u>			Ambient Air: <u>na</u>		ppm		Well Mouth:	na	ppm
PURGING PROCED	URES								
Height of Water		.041 gal/ft (1 in)							
Column feet		.09 gal/ft (1.5 in)							
	X	.16 gal/ft (2 in) .65 gal/ft (4 in)	0.6	3	casing	volumes =	= 1.9	gallons to p	ourge
		•							
3.85		2.6 gal/ft (8 in)						
Purge Method:	peristal	tic							
Purge Vol. (gal)			0.46		0.92		1.38		1.85
Time (Min.)			12:36		12:41	· —	12:45	• —	12:49
Temperature (C°)			12.95		12.69		12.56	•	12.61
pH (Units)			7.26		7.22		7.21		7.21
Conductivity at 25°C	(mS/cm)	•	0.89		0.88		0.88	-	0.88
ORP (mV)	. ,		84.00		81.00	•	81.00		82.00
Turb (NTU)			20.66		147.20		8.16		7.35
DO (%)			1.39		1.11		1.03		0.97
Total Volume Purged			20	00 gallons					
Water Appearance (d	escribe color,	clanty odor.)	slightly cl	ouay					
CAMPUNASPRAAF	DUDEO:			or Statemani Satar Mary arm	and the second and the	Constitution (Constitution)	Service (Biology of the Biology	No. 10 740 000 000 00000	mwité wite eta sakokokokokoko
SAMPLING PROCE Sampling Proce	general production of the contract of the cont	peristaltic					A		
Camping 1 1000	Judio.	periotatio							
Sample Water	Appearan	ce (color, clarity, o	odor):	slightly cloud	dy				
ANALYTICAL PARA	METERS								
			of Bottles	**************************************		Preserv	ative/	Field	Cool
Analysis	Meth	nod Voli	ume, Type	Bottle Lo	ot .	Volur	me	Filtered?	to 4°C?
<u>voc</u>	8260B		40 ml VOA		<u></u>	HCI		N	Y
D. Metals	6020B		500 ml Poly			HNC		Υ	Y
T. Phenols	420.1		250 ml Amber			H2S0		N	Y
T. Cyanide	9012A	1	250 ml Poly			NaO	H/	N	Y
									, , , , , , , , , , , , , , , , , , ,
OTHER OBSERVAT	IONS		· · · · · · · · · · · · · · · · · · ·						
-				NAME (Prin	t)	Brent Wh	eat		
				OLONIATI ITI	· -				
				SIGNATURI	⊏:				

Described whether well was locked and the condition of the protective casing and concrete collar. 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

W			Carrie Wester & Personal Nation 1985			TW Mo you have not not you		and a set of a Set Set of a set of the	Table 1 To 10 To 1
SITE/SAMPLE LOC	ATION					_			
Site Name:	NEDVIDO	Honey	well South Ben	d		F	Project No.:	3310	090039
Personnel Present:	NRR/JPS					40.40			
Activity Start:	12:15 loors,			A	ctivity End:	: 12:40		-	
Weather: Inc Well Type and Locat		nount							
		nount	CONTROL OF THE					53.74.556.656.656	
WATER LEVEL/WE	ti ana ana ana ana androna di matana ana ana androna ana				4405				
Well Depth: 27.		(measurin		Water Depth: _	14.35	well casing)	feet using	/meas	uring device)
		. '	- ,		(moth top of	٠,	D	•	uning device)
Historical Well Depth	n: om ground surface)	feet	Protective Ca	asing Stickup: _ for abo	ve-ground si	_	Protect. Ca	•	feet
Floating Product Thi			foot using	(101 800)	ve-ground si	unace)	Casing L	Difference:	
Floating Product This	CKIIESS.		feet using			(measuring	device)		
Well Condition:		ok				(
Measuring Device D	-		Alconox	& DI Rinse					
PI Meter ID: na	Comamination		mbient Air: na		ppm	V	Vell Mouth:	na	ppm
			TIBICITE TURE TIC	V. O. Charles and Co.	PPIII	Marie Control (Control (Contro	von moun.	- IIu	ppiii
PURGING PROCED Height of Water	64. 168. Tale 1	101/ft (1 in)							
Column feet		gal/ft (1 in) al/ft (1.5 in)							
Oblamin leet		al/ft (2 in)	Х	3	casing	volumes =	3.5	gallons to p	urae
		al/ft (4 in)	1.2	`	odonig	volunico	0.0	ganono to p	, arge
40 75									
12.75	2.6	gal/ft (8 in)							
Purge Method:	peristaltic								
Purge Vol. (gal)			1.25		1.50		3.50		na
Time (Min.)		-	12:20		12:25		12:30		na
Temperature (C°)		-	19.10		19.00		18.80		na
pH (Units)		•	7.25		7.16		7.13		na
Conductivity at 25°C	(mS/cm)	-	1843.00		1830.00		1832.00	<u> </u>	na
ORP (mV)	(-	-53.00		-72.00		-65.00	-	na
Turb (NTU)		-	1311.00		1305.00		1312.00		na
DO (%)		-	_	<u></u>			_		na
		-	2.1						
Total Volume Purgeo	1	-	3.0	50 gallons					
Water Appearance (describe color, clarity o	dor:)	clear, no	odor					
SAMPLING PROCE	and have the hole of the territory								
Sampling Proc	edure: perist	altic							
Sample Water	Appearance (col	or clárity o	dor\·	clear, no od	lor				
		or, Garity, o	uoi).	Clear, No ou	001	emple DCDC 45014 (service extra alacci	34.07.002 Sec. (2000)		#1000 movements
ANALYTICAL PAR	AMETERS	A 1-	-£D-W			D		F:-1-1	01
Analysis	Method		of Bottles me, Type	Bottle Lo	n+	Preservat Volume		Field Filtered?	Cool to 4°C?
Analysis				Dottie Li	Ji		5	N N	10 4 C ! Υ
VOC D. Metals	8260B 6020B		40 ml VOA 500 ml Poly			HCL/ HNO3/		<u> </u>	<u>'</u>
T. Phenols	420.1		250 ml Amber			H2SO4			<u> </u>
T. Cyanide	9012A		250 ml Poly			NaOH/			· Y
1. Oyanide	3012/		200 mil i diy			/			-
OTHER OBSERVA	TIONS				_	–			
-				NAME (Prin	ıt)	Nick Rogers	s		
				SIGNATUR	E:				

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 LOCA	TION			4 7 7	
Site Name:	H	oneywell South Bend	antana antana ara-ara-ara-ara-ara-ara-ara-ara-ara-ar	Project No	.: 3310090039
Personnel Present:	NRR/JPS	•		•	
Activity Start:	11:20		Activity End:	11:50	
Weather: Indo	oors,				
Well Type and Location	on: flushmount				
WATER LEVEL/WEL	LDATA				
Well Depth: 25.30	0 feet using	W	ater Depth: 14.49	feet usin	9
(from top of well c	asing) (me	asuring device)	(from top of v	vell casing)	(measuring device)
Historical Well Depth:	feet	Protective Casi	ng Stickup:	feet Protect. 0	Casing Well
(fron	ground surface)		(for above-ground su	rface) Casing	Difference: feet
Floating Product Thick	kness:	feet using			
				(measuring device)	
Well Condition:	<u>ok</u>				
Measuring Device De	contamination Procedu	ıre: Alconox &	DI Rinse		
PI Meter ID: na		Ambient Air: <u>na</u>	ppm	Well Mouth	n: na ppm
PURGING PROCEDU	JRES				
Height of Water	.041 gal/ft (1		bwatto Hoose to Street House the Control of the Con		
Column feet	X .09 gal/ft (1.	5 in)			
	.16 gal/ft (2		3 casing v	volumes =3.	0 gallons to purge
	.65 gal/ft (4	n) 1.0			
10.81	2.6 gal/ft (8 in)			
Purge Method:	peristaltic				
r dige Metilod.	peristante				
		4.00			
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		3.00	gallons		
Water Appearance (de	scribe color clarity odor:)	clear, no oc			
vvater / tppedramoe (de	solibe dolor, dainy ddol.,	olcar, no oc	101		
SAMPLING PROCED	MPES				X X X X X X X X X X X X X X X X X X X
Sampling Proce	Caracana a caracana da Car	***************************************	***************************************		and the second s
	periodical				
Sample Water A	Appearance (color, clai	ity, odor):	clear, no odor		
ANALYTICAL PARA	METERS	-			
	Andrew Color	No. of Bottles		Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
voc	8260B	3 40 ml VOA		HCL/	N Y
D. Metals	6020B	1 500 ml Poly		HNO3/	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/	N Y
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N Y
				1	
OTHER OBSERVATI	IONS				
Collect MS/MSE			NAME (Print)	Nick Rogers	
				. non rogoro	

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 LOC	ATION					
Site Name:		Honeywell South Bend	**************************************	Project No.	.: 3310	090039
Personnel Present:	JPS/BMW					
Activity Start:	14:06	· · · · · · · · · · · · · · · · · · ·	Activity End:	14:55		
	nny,70's	· · · · · · · · · · · · · · · · · · ·				
Well Type and Locati						
WATER LEVEL/WEI	and the second s	ote manifestation and a second second second by the second second		_		
Well Depth: 26.6 (from top of well of	_	(measuring device)	Vater Depth: 19.93 (from top of w	feet using		suring device)
			, ,	<u>-</u> .	•	uning device)
Historical Well Depth	:fee m ground surface)	et Protective Cas	for above-ground sui		asing Well Difference:	feet
Floating Product Thic	,	feet using	(var and var great a car	Odding i	- Jillerence.	
, , , , , , , , , , , , , , , , , , ,				(measuring device)		
Well Condition:	go	od				
Measuring Device De	contamination Pro	cedure: Alconox &	& DI Rinse			
Pl Meter ID: <u>na</u>		Ambient Air: na	ppm	Well Mouth	: na	ppm
PURGING PROCED	URES		17			
Height of Water	.041 gal	/ft (1 in)			\$100 m	
Column feet	X .09 gal/f	t (1.5 in)				
	.16 gal/f	• •	3 casing v	/olumes = 1.8	gallons to p	ourge
	.65 gal/f	t (4 in) 0.6				
6.67	2.6_ga	l/ft (8 in)				
Purge Method:	Peristaltic					•
·			,			
Purge Vol. (gal)		0.45	0.90	1.35	-	1.80
Time (Min.)		14:24	14:27	14:29		14:35
Temperature (C°)		12.46	12.95	12.98		13.04
pH (Units)		7.40	7.39	7.39		7.40
Conductivity at 25°C	(mS/cm)	0.67	0.68	0.68		0.68
ORP (mV)		80.00	82.00	83.00		88.00
Turb (NTU)		3.08	5.81	-1.22		3.09
DO (%)		3.15	3.07	3.07		3.05
Total Volume Purged		2.00	gallons			
Water Appearance (de	escribe color, clarity odor:	-	~			
Trater, ippearance (a	sadriba dolor, dianty dadi.	Glear				
SAMPLING PROCEI	DURES					
Sampling Proce	and the second s	ic				
	······					
Sample Water	Appearance (color,	clarity, odor):	clear			
ANALYTICAL PARA	METERS				7.5	
Analysis	Method	No. of Bottles	Bottle Lot	Preservative/	Field Filtered?	Cool
Analysis VOC	8260B	Volume, Type	bottle Lot	Volume	N N	to 4°C? Y
D. Metals	6020B	3 40 ml VOA 1 500 ml Poly		HCL/ HNO3/	- Y	<u>'</u>
T. Phenols	420.1	1 250 ml Amber		H2SO4/		
T. Cyanide	9012A	1 250 ml Poly		NaOH/	N	Y
				/		
OTHER OBSERVAT	IONS					
-			NAME (Print)	Brent Wheat		
			-			
			SIGNATURE:			

Described whether well was locked and the condition of the protective casing and concrete collar.

Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.:	7-50	05 10
Sample Date:	04-May-1	0
Sample Time:	14:45	
		1
Project No.:	331009	0039

SITE/SAMPLE LOC	ATION	- 143 - 123				
Site Name:		Honeywell South Bend		Project No.	.:3310	090039
Personnel Present:	JPS/BMW					
Activity Start:	14:06		Activity End	l: 14:55		
	nny,70's tion: 1.5" stic	deum				
Well Type and Loca		•			Marian de la companya	
WATER LEVEL/WE						
Well Depth: 50. (from top of well		(measuring device)	Vater Depth: 19.44 (from top o	f well casing)		suring device)
Historical Well Depti	n:fe	et Protective Cas	sing Stickup:(for above-ground s	_	Casing Well Difference:	feet
Floating Product Thi	-	feet using	(101 00000 9.001110	- Casing		
NA 11 G 122				(measuring device)		
Well Condition:		ood	0 DI Di			
Measuring Device D			& DI Rinse	387 11 84 (1		
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	n: <u>na</u>	ppm
PURGING PROCES Height of Water Column feet	.041 ga		3 casing	g volumes =8.	<u>4</u> gallons to բ	ourge
30.56	2.6 ga	al/ft (8 in)				
	Disposable Bail				•	
Purge Method:	Disposable ball	3 1				
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 Purge	d	9.00	gallons			
Water Appearance	describe color, clarity odor	slighty clo	udy			
SAMPLING PROCE	o continuado de continua de continuado de continuado de continua de continuado de continuado de continuado de c	ic				
Sample Water	Appearance (color	, clarity, odor):	clear			
ANALYTICAL PAR	AMETERS					
		No. of Bottles	.	Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC D. Matala	8260B	3 40 ml VOA		HCL/ HNO3/		. <u>Ү</u>
D. Metals	6020B	1 500 ml Poly			Y N	Y
T. Phenols	420.1	1 250 ml Amber		H2SO4/		<u> </u>
T. Cyanide	9012A	1 250 ml Poly		NaOH//		
OTHER OBSERVA	TIONS					
•			NAME (Print)	Brent Wheat		
			SIGNATURE:			

Notes:

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						
[ywell South Ben	nd		Project No.:	33101	102011
Personnel Present: MLM - Peerless Midwes		<u></u>		1 10,000 110		102011
Activity Start: 7:20		Activ	vity End: -			
Weather: cold, overcast,	· <u></u>					
Well Type and Location: 4" stickup by tra	in tracks					
WATER LEVELWELL DATA						
Well Depth: 24.60 feet using		Water Depth:	20.21	feet using		
(from top of well casing) (measur	ing device)	(fro	om top of well casing)	_	(measu	ıring device)
Historical Well Depth: feet	Protective C	asing Stickup:	feet	Protect. Ca	sing Well	
(from ground surface)		(for above-	ground surface)	Casing Di	ifference:	feet
Floating Product Thickness:	_feet using	·				
			(measurin	g device)		
Well Condition:						
Measuring Device Decontamination Procedure:	Alconox	k & DI Rinse				
PI Meter ID: na	Ambient Air: <u>na</u>	pp	m	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)		3	casing volumes =	8.6	gallons to p	urge
X .65 gal/ft (4 in)	2.9					
4.39 2.6 gal/ft (8 ir	۱)					
Purge Method: Disposable bailer						
Targe Metrou.						
Division Val. (val)			0.00			
Purge Vol. (gal)	3.00	_	6.00	9.00		na
Time (Min.)	7:43		7:49	7:56		na 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	<u> </u>	717.90	718.70		na
ORP (mV)	na	_	na	na		na
Turb (NTU)	na		na	na		na
DO (%)	na			na	-	na
Total Volume Purged	9.0	00 gallons				
Water Appearance (describe color, clarity odor.)	-					
SAMPLING PROCEDURES			Σ.			
Sampling Procedure: Disposable baile	er	THE PROPERTY OF THE PROPERTY O	oosto oo aa	ni-12a		MINISTER 100 100 100 100 100 100 100 100 100 10
Sample Water Appearance (color, clarity,	odor):	-				
ANALYTICAL PARAMETERS			.X		77-7	
	. of Bottles	5 ·	Preserva		Field	Cool
	lume, Type	Bottle Lot	Volun		Filtered?	to 4°C?
VOC 8260B 3	3 40 ml VOA		HCL	<u>./</u>	N	Y
						
						
OTHER OBSERVATIONS				· · · · · · · · · · · · · · · · · · ·		
MW-101 = Duplicate sample.		NAME (Print)	Megan Mo	Means		
		SIGNATURE:				

- (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 LOCA	TION								
Site Name:		Honey	well South Be	nd			Project No.: _	331	10102011
Personnel Present:	JPS/BMW								
	16:35				Activity End	l:17:20			
	ny,40's	9	D						
Well Type and Locatio		flushmount alc	ong Benaix	a					
WATER LEVEL/WELL	.x								
Well Depth: 31.60				Water Depth			feet using		
(from top of well ca	ising) (meas	suring device)			(from top of w	eli casing)		, ,	asuring device)
Historical Well Depth: (from	ground surface)	_feet	Protective (Casing Stickup (for	:above-ground s	_ feet surface)	Protect. Cas Casing Di	-	
Floating Product Thick	ness:	fe	et using						
			(measuri	ing device)					
Well Condition:		Good							
Measuring Device Dec	ontamination F			& DI Rinse					
Pl Meter ID: na			Ambient Air: na	a	_ppm	,	Well Mouth: _	na	ppm
PURGING PROCEDU	RES								
Height of Water		gal/ft (1 in)							
Column feet		al/ft (1.5 in)							
		al/ft (2 in)		X	3_ casing	g volumes =	5.2 <u>g</u>	gallons to	purge
	65 g	al/ft (4 in)	1.7						
18.89	2.61	gal/ft(8 in)							
Purge Method:	Peristaltic								
Purge Vol. (gal)			1.28		2.56		3.84		5.12
Time (Min.)		_	16:47		17:04	-	17:08		17:11
• •		_	13.77		13.72		13.63		13.70
Temperature (C°)		~ -	6.94						
pH (Units)	C/\		0.85		6.92		6.92		6.93
Conductivity at 25°C (r	115/6111)	_			0.85	-	0.85		0.85
ORP (mV)		_	-60.00		-71.00		-74.00		-77.00
Turb (NTU)		_	42.73		96.72	<u> </u>	98.55		299.80
DO (%)		_	0.03	 	-0.04		-0.05	-	-0.06
Total Volume Purged			5	.50 gallons					
Water Appearance (des	scribe color, clarity o	odor:)	cloudy, bla	ack					
		_							
SAMPLING PROCED	URES						700		
Sampling Proced	dure: Peris	taltic							
O				P. L.O.	1 '01 1	0 " 1	1		
Sample Water A		ior, clarity, odd	rr):	slightly clo	udy with brow	n floaties/sec	aiment		
ANALYTICAL PARAI	NETERS				_				
A b t -	8 4 - 4ll	No. of Bottle		D - 411 - 1 - 4		eservative/		Field	Cool
Analysis VOC	Method 8260B	Volume, Typ	pe 0 ml VOA	Bottle Lot		Volume HCL/		tered? t	0 4 C? Υ
<u> </u>	02000					/			
									
		-				1			
OTHER OBSERVATION	ONS	· · · ·				·			
•	-			NAME (Pr	int)	Brent Whe	at		
				- (,				
Materia (4) D	ال- عادية استعمالية	-!!	ad tha ac	SIGNATU					
Notes: (1) Desc	ribed whether we	aii was iocked al	iu trie condition	ui the protective	casing and con	ıcı ete collar.			

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



Sample No.: **S9 11 10** Sample Date: 03-Nov-10

Sample Time: 16:10

SITE/SAMPLE LOCAT	animalianinana ali animalianinaninaninanina				
Site Name:		well South Bend	<u> </u>	Project No	o.: 3310102011
Personnel Present:	MLM - Peerless Midwest				
Activity Start:			Activity E	nd:	
	overcast, breezy,				
Well Type and Location					
WATER LEVEL/WELL	DATA				
Well Depth: 21.10				.33 feet usir	
(from top of well car	sing) (measuring device)	(from top	of well casing)	(measuring device)
Historical Well Depth: (from	ground surface)	Protective Ca	sing Stickup: (for above-groun		Casing Well Difference: feet
Floating Product Thickr	ness:	feet using			
		(measuring	device)		
Well Condition:	-				
Measuring Device Dec	ontamination Procedure:	Alconox	& DI Rinse		
PI Meter ID: <u>na</u>		Ambient Air: <u>na</u>	ppm	Well Mout	h: <u>na</u> ppm
PURGING PROCEDU	RES				
Height of Water	.041 gal/ft (1 in)				Alternative de de de la constantina de
Column feet	.09 gal/ft (1.5 in)				
	.16 gal/ft (2 in)	Х	3 cas	ing volumes =7	.4 gallons to purge
	X .65 gal/ft (4 in)	2.5			•
3.77	2.61 gal/ft(8 ir)			
Purge Method:	Disposable bailer				
Purge Vol. (gal)		2.50	5.00	7.50	
					na
Time (Min.)		15:55	15:59		na na
Temperature (C°)		17.10	17.10		na
pH (Units)	0/	7.62	7.20	7.47	na na
Conductivity at 25°C (n	nS/cm)	1058.00	<u> </u>		
ORP (mV)		na	<u>na</u>	na	na
Turb (NTU)		na	`na_	na na	na
DO (%)	₹ ,	na	na	na	na
Total Volume Purged		7.5	0 gallons		
Water Appearance (des	cribe color, clarity odor:)	<u>.</u>			
SAMPLING PROCEDU	JRES				
Sampling Proced	ure: Disposable baile	<u> </u>			
-	opearance (color, clarity, c	odor):	-		
ANALYTICAL PARAM	vanis i vanis amerika deli sassi sassi sassa deli di				4
	No. of Bo			Preservative/	Field Cool
Analysis	Method Volume,		Bottle Lot	Volume	Filtered? to 4°C?
<u>voc</u>	8260B 3	40 ml VOA	-	HCL/	<u>N</u> Y
		······································			
				'	
 		·····			
OTHER OBSERVATION	ONC .	·			
-	/113		NIANAE (Deiet)	Magan Managan	
			NAME (Print)	Megan McMeans	
			SIGNATURE:		

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				
	eywell South Bend		Project No.:	3310102011
Personnel Present: MLM - Peerless Midwe	st			
Activity Start: 8:15		_ Activity End:		
Weather: cold, overcast,	arking area			
Well Type and Location: 4" stickup in pa				
WATER LEVEL/WELL DATA	AND THE PROPERTY OF THE PROPER			
Well Depth: 20.20 feet using	Water I		feet using	/
(from top of well casing) (measuring devi	•	(from top of well casin		(measuring device)
Historical Well Depth: feet		tickup:feet		
(from ground surface)		(for above-ground surface)	Casing Differ	ence: feet
Floating Product Thickness:	feet using (measuring device	<u> </u>		
AAI-II Odiri	(measuring device)		
Well Condition: Measuring Device Decontamination Procedure	: Alconox & DI R	lineo		
PI Meter ID: na	Ambient Air: na	ppm	Well Mouth:	na ppm
	Ambient All. Ha	Whateners Transition brooks at the contract of the contract of	vveii ivioutii.	nappin
PURGING PROCEDURES				
Height of Water .041 gal/ft (1 ir Column feet .09 gal/ft (1.5 i	*			
.16 gal/ft (2 in)		3 casing volume	s = 8.7 gall	one to purge
X .65 gal/ft (4 in)		casing volume	s – <u> </u>	ons to purge
4.42 <u>2.61</u> gal/ft (8	in)			
Purge Method: Disposable Bailer				
Purge Vol. (gal)	3.00	6.00	9.00	na
Time (Min.)	8:24	8:30	8:35	na
Temperature (C°)	16.50	16.80	16.50	na
pH (Units)	7.32	7.29	7.29	na
Conductivity at 25°C (mS/cm)	1188.00	1156.00	1158.00	na
ORP (mV)				
` '	na	na	na	na
Turb (NTU)	na	na	na na	na
DO (%)	na	na	na na	na
Total Volume Purged	9.00 gallo	ns		
Water Appearance (describe color, clarity odor:)	clear, no odor			
SAMPLING PROCEDURES				
Sampling Procedure: Disposable Ba	•		d de de aliabe (1.) de la composición	
, ,				
Sample Water Appearance (color, clarity	, odor): clear	r, no odor		
ANALYTICAL PARAMETERS				
No. of	Bottles	Preservativ	e/ Fiel	d Cool
Analysis Method Volume	e, Type Bottle I	Lot Volume	Filtere	ed? to 4°C?
VOC 8260B	3 40 ml VOA	H		N Y
			<u> </u>	
				
			<u> </u>	
		<u> </u>		
OTHER OBSERVATIONS				
-	NAM	IE (Print) Megan	McMeans	
		NATI IDE:		
	2101	NATURE:		

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



Sample No.: **\$15 11 10** Sample Date: 03-Nov-10

Sample Time: 16:30

SITE/SAMPLE LOC	ATION				
Site Name:	MIM Doorloss	Honeywell South Bend		Project No.:	3310102011
Personnel Present:	MLM - Peerless I	viidwest	A -41-44 F		
Activity Start: Weather: col	- ld, overcast, breezy,		Activity End:	-	
Well Type and Locat		p in parking lot			
WATER LEVEL/WE		- F - 9	*		
Well Depth: 22.0		١٨/	ater Depth: 18.66	feet using	
(from top of well		(measuring device)	(from top of w		(measuring device)
Historical Well Depth			•	feet Protect. Ca	
•	om ground surface)	t Totolive Odsi	(for above-ground sur		•
Floating Product This	-	feet using	,	, , , , , , , , , , , , , , , , , , , ,	
J				(measuring device)	
Well Condition:	-				
Measuring Device D	econtamination Prod	cedure: Alconox &	DI Rinse		
Pl Meter ID: na	*	Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCED	URES				
Height of Water	.041 gal/	ft (1 in)	***************************************		
Column feet	.09 gal/ft				
	.16 gal/ft	(2 in) X	3 casing v	rolumes = 6.5	gallons to purge
	X .65 gal/ft	(4 in) 2.2			
3.34	2.6 gal	/ft (8 in)			
Purge Method:	Disposable bailer			<u>-</u>	
Purge Vol. (gal)		2.25	4.50	6.75	na
Time (Min.)		16:24	16:27	16:30	na
Temperature (C°)		16.10	16.50	16.10	na
pH (Units)		7.45	7.36	7.45	na
Conductivity at 25°C	(mS/cm)	1512.00	1508.00	1484.00	na
ORP (mV)	,	na	na	na	na
Turb (NTÚ)		na	na	na	na
DO (%)		na	na	na	na
Total Volume Purged	1	6.75	gallons		
			. gallorio		
Water Appearance (d	describe color, clarity odor:)				
SAMPLING PROCE	DURES			· · ·	
Sampling Proc	**************************************	ole bailer	rannen mekan manan samuat dan menerikan sakal dan	in in the second se	ORIGINALIS AND
**	Appearance (color,	clarity, odor):			
ANALYTICAL PARA	AMETERS			<u>.</u>	
Analysis	Mathad	No. of Bottles	Pottle Let	Preservative/	Field Cool Filtered? to 4°C?
Analysis	Method	Volume, Type	Bottle Lot		Filtered? to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/	
····					
	·				
OTHER OBSERVAT	TIONS				
-			NAME (Print)	Megan McMeans	
			SIGNATURE:		

- (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.:
 \$16
 11 10

 Sample Date:
 02-Nov-10

Sample Time: 17:53

SITE/SAMPLE LOCA	TION		4	N. S.	
Site Name:	H	oneywell South Bend		Project No.	.: 3310102011
Personnel Present:	JPS/BMW				
Activity Start:1	17:30		Activity End	: 17:56	
	ıy,40's		·		
Well Type and Locatio		nt in front of Bosch alo	ong Benaix		
WATER LEVEL/WELL	and the second s				
Well Depth: 18.70	<u> </u>	V\ asuring device)	/ater Depth: 15.72	2 feet using f well casing)	g (measuring device)
, ,		- ,			
Historical Well Depth:	ground surface)	Protective Cas	for above-ground s		Casing Well Difference: feet
Floating Product Thick	•	feet using	(ivi anovo gioania o	- Guoing	
Troubling Froduct Times				(measuring device)	
Well Condition:	good		•		
Measuring Device Dec	contamination Procedu	ıre: Alconox 8	& DI Rinse		
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	n: na ppm
PURGING PROCEDU	RES	-			
Height of Water	.041 gal/ft (1	in)			
Column feet	.09 gal/ft (1.5	5 in)			
	.16 gal/ft (2 i		3 casing	y volumes = 5.8	8 gallons to purge
	X .65 gal/ft (4 i	n) 1.9		•	
2.98	2.6_gal/ft(8 in)			
Purge Method:	Disposable bailer				
-			· · · · · · · · · · · · · · · · · · ·		
Purge Vol. (gal)		1.45	2.90	4.35	5.81
Time (Min.)		17:42	17:45	17:49	17:50
Temperature (C°)		17.65	17.88	17.79	17.76
pH (Units)		6.84	6.82	6.84	6.86
Conductivity at 25°C (r	mS/cm)	3.49	3.57	3.59	3.51
ORP (mV)		-70.00	-92.00	-101.00	-102.00
Turb (NTU)	,	72.30	179.00	14.46	17.76
DO (%)		1.79	1.51	2.34	3.48
Total Volume Purged		6.00	gallons		
Water Appearance (des	scribe color, clarity odor.)		 n, sediment		
Trator Appoaration (acc	salps solor, slarky sacr.,		i, oddinient		
SAMPLING PROCED	URES	9			
Sampling Proced	Maria Maria di Kalendaria di Maria Mar	pailer	and the second s		
- 					
Sample Water A	ppearance (color, clar	ity, odor):	slighty to moderately	cloudy	
ANALYTICAL PARAI	METERS			P-1	
Amalunia	Mathad	No. of Bottles	Dettle Let	Preservative/ Volume	Field Cool Filtered? to 4°C?
Analysis	Method 8260B	Volume, Type 3 40 ml VOA	Bottle Lot	HCL/	Filtered? to 4°C?
VOC	02000	3 40 IIII VOA			
					
				1	
	-				
OTHER OBSERVATION					
-	J/13		NAME (Print)	Brent Wheat	
			TO WINE (FINIS)	Dione Friedt	
			SIGNATURE:		

- (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 Date: 03-Nov-10
Sample Time: 12:00

SITE/SAMPLE LOCATION Honeywell South Bend Site Name: Project No.: 3310102011 Personnel Present: JPS/BMW Activity Start: 11:30 Activity End: 12:05 Weather: 4" stickup along Bendix Well Type and Location: 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: Floating Product Thickness: feet using (measuring device) good Well Condition: Measuring Device Decontamination Procedure: Alconox & DI Rinse PI Meter ID: Ambient Air: na Well Mouth: ppm ppm PURGING PROCEDURES Height of Water .041 gal/ft (1 in) Column .09 gal/ft (1.5 in) .16 gal/ft (2 in) 3 casing volumes = 12.3 gallons to purge 4.1 .65 gal/ft (4 in) 6.26 2.6 gal/ft (8 in) Disposable Bailer Purge Method: Purge Vol. (gal) 3.00 6.00 9.00 12.21 Time (Min.) 11:49 11:52 11:54 11:56 15.43 15.68 15.55 Temperature (C°) 15.73 7.21 7.17 pH (Units) 7.39 7.27 Conductivity at 25°C (mS/cm) 1.42 1.47 1.48 1.48 ORP (mV) 6.00 -10.00-15.00-17.00 Turb (NTU) 178.70 266.00 223.20 139.20 DO (%) 1.74 1.52 1.66 2.78 Total Volume Purged 12.50 gallons Water Appearance (describe color, clarity odor:) cloudy, orange/brown, no odor SAMPLING PROCEDURES Sampling Procedure: Disposable Bailer Sample Water Appearance (color, clarity, odor): Moderately cloudy, orange and black floaties

		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C
VOC	8260B	3 40 ml VOA		HCL/	N	Y
				1		
	-			. 1		
				1		
						

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 LOCA	TION		To the second	•					
Site Name:		Honev	well South Ber	nd			Project No.:	3310	102011
Personnel Present:	JPS/BM						. 10,000.110		102011
	15:45				Activity End:	16:20			· · · · · · ·
	ny,40's				·				
Well Type and Location	n:	4" manhole corne	er of Westmoo	r & Goodland					
WATER LEVEL/WEL	L DATA								
Well Depth: 18.80) feet ι	using		Water Depth	: 14.22		feet using		MODELLE CONTRACTOR CON
(from top of well ca	asing)	(measurir	ng device)		(from top of	well casing)	(meas	uring device)
Historical Well Depth:		feet	Protective C	asing Stickup	:	feet	Protect. Ca	asing Well	
(from	ground su	rface)		(for ab	ove-ground su	rface)	Casing D	Difference:	feet
Floating Product Thick	mess:		feet using						
						(measurir	ng device)		
Well Condition:		good							
Measuring Device Dec	contamina			x & DI Rinse					
Pl Meter ID: <u>na</u>		A	mbient Air: <u>na</u>	1	_ppm		Well Mouth:	na	ppm
PURGING PROCEDU	···			4.5					
Height of Water		.041 gal/ft (1 in)							
Column feet		.09 gal/ft (1.5 in)							
		.16 gal/ft (2 in)	3.0	x,	3 casing	volumes =	= 9.0	gallons to p	ourge
	X	.65 gal/ft (4 in)	3.0						
<i>4.</i> 58	_	2.6 gal/ft (8 in))						
Purge Method:	Disposal	ble Bailer							
•	,								
Purge Vol. (gal)			2.23		4.46		6.69		8.93
Time (Min.)			15:54		16:00		16:09		16:16
Temperature (C°)			13.60		13.49		13.40	-	13.36
pH (Units)			7.23		6.99		6.95		6.92
Conductivity at 25°C (mS/cm)		1.20		1.24	-	1.23		1.25
ORP (mV)	1110/0111/		-32.00		-38.00		-37.00		-35.00
Turb (NTU)			59.47		19.73		20.15		12.83
DO (%)			2.27		1.39		2.08		1.55
Total Volume Purged				.00 gallons					
			•						
Water Appearance (de	scribe color, c	clarity odor:)	Moderat	tely cloudy					
044D(410*D000F)	115-0494		564-29865 (m. m. 1865)		uus Kiri Soodii Jasis Asso	7.000 (mm. mm. mm. mm. mm. mm. mm. mm. mm. mm	*************		entition of white the entitle of
SAMPLING PROCED Sampling Proced	and the second throught the first	Disposable Baile	r						
Camping 1 roces	uuie.	Disposable Dalle	•						
Sample Water A	ppearanc	e (color, clarity, o	dor):	slightly clo	oudy				
ANALYTICAL PARAI	METERS								(100 K - 100 K
i ya galay ya faran da ka kisa atalaan ka a a a a a a a a a a a a a a a a a		No.	of Bottles		Miking and the control of the contro	Preserv	ative/	Field	Cool
Analysis	Metho	od Volu	ıme, Type	Bottle	Lot	Volui	me	Filtered?	to 4°C?
VOC	8260B	3	40 ml VOA			HCI	L/	N	Y
						1			
									
OTHER OBSERVATI	ONS								
-				NAME (Pr	int)	Brent Wh	eat		
				01021477	DE.				
				SIGNATU	KE:				

⁽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: Ambient Air: na Well Mouth: ppm ppm **PURGING PROCEDURES** Height of Water .041 gal/ft (1 in) Column .09 gal/ft (1.5 in) feet .16 gal/ft (2 in) 3 casing volumes = 16.3 gallons to purge .65 gal/ft (4 in) 8.33 2.6 gal/ft (8 in) Purge Method: Disposable bailer Purge Vol. (gal) 4.00 8.00 12.00 16.00 Time (Min.) 14:29 14:32 14:35 14:39 13.06 Temperature (C°) 12.82 12.71 12.72 pH (Units) 7.36 7.16 7.09 7.12 Conductivity at 25°C (mS/cm) 1.15 1.19 1.19 1.18 ORP (mV) 22.00 -11.00 -26.00 -36.00 Turb (NTU) 6.05 5.51 19.96 9.41 DO (%) 2.27 2.21 2.15 0.91 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 No. of Bottles Preservative/ Field Cool Analysis Volume, Type to 4°C? Method **Bottle Lot** Volume Filtered? Υ HCL/ N VOC 8260B 3 40 ml VOA OTHER OBSERVATIONS NAME (Print) **Brent Wheat**

SIGNATURE:

(1) Described whether well was locked and the condition of the protective casing and concrete collar.

Notes:

(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 LOC		alika markaria in alika alikabalang mga perbagai bagai bagaina					
Site Name:		Honeywell South Bend	<u> </u>		Project No.:	3310	102011
Personnel Present:	BMW/JPS/SGB	· · · · · · · · · · · · · · · · · · ·					
Activity Start:	13:20		Activity E	nd: <u>14:08</u>			
	rtly cloudy,50's	1.1.00					
Well Type and Loca		nanhole/Kennedy Park					
WATER LEVEL/WE							
Well Depth: 26.			Nater Depth: 14.		_ feet using		
(from top of well	casing) (n	neasuring device)	(from top	of well casing)		•	uring device)
Historical Well Depth		Protective Ca	sing Stickup:	feet	Protect. Ca		
·	om ground surface)		(for above-ground	l surface)	Casing D	ifference: _	feet
Floating Product Thi	ckness:	feet using					
144 11 0 1111				(measurin	g device)		
Well Condition:	good						
•	econtamination Proce	-	& DI Rinse				
Pl Meter ID: <u>na</u>		Ambient Air: <u>na</u>	ppm		Well Mouth:	na	ppm
PURGING PROCES							
Height of Water	.041 gal/ft	• •					
Column feet	.09 gal/ft (
	.16 gal/ft (3 casi	ng volumes =	23.4	gallons to p	ourge
	X65 gal/ft (4 in) 7.8	•				
11.96	2.6 gai/f	t (8 in)					
Purge Method:	Disposable bailer						
r argo monioa.	Dioposable ballot						
Puras Vol. (gal)		6.00	12.00		18.00	<u> </u>	24.00
Purge Vol. (gal) Time (Min.)		13:40	13:45		13:49		24.00
` '						-	13:55
Temperature (C°)		14.85	14.85		14.64		14.60
pH (Units)	(0()	6.76	6.81		6.82		6.83
Conductivity at 25°C	(mS/cm)	1.17			1.16	- "	1.16
ORP (mV)		-239.00		<u> </u>	-260.00		-265.00
Turb (NTU)		12.84	6.20		5.57		7.66
DO (%)		-0.19			-0.20		-0.20
Total Volume Purge	d	24.0	<u>0</u> gallons				
Water Appearance (describe color, clarity odor:)	black					
SAMPLING PROCE	DURES						
Sampling Proc	edure: Peristaltic	an marit 1900 to 1000 to		***************************************	ACCOUNT ACCOUNTS OF THE PARTY ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS	******************************	
Sample Water	Appearance (color, c	arity, odor):	slightly cloudy/odor				
ANALYTICAL PAR	AMETERS			_			
A ! ! -	N 4 - 411	No. of Bottles	Dawle Lat	Preserv		Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volur		Filtered?	to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL	<u>-/</u>	N	Υ
				<u>/</u>			
				/			
OTHER OBSERVA	TIONS						
-			NAME (Print)	Brent Who	eat		
			CIONATURE				
Notes: (1) De	scribed whether well was	locked and the condition	SIGNATURE: of the protective casing	and concrete o	ollar.		
			p		wi-		

- Described whether well was locked and the condition of the protective casing and concrete collar. 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			<u> </u>	
5.000	languagel Courth Bond		Droinet No.	2240402044
***	loneywell South Bend		Project No.: _	3310102011
		A attacks . To al.	40:40	
Activity Start: 15:20 Weather: cloudy,50's		Activity End:	16:40	
	anhole/Kennedy Park			
WATER LEVEL/WELL DATA	Command Committee Committe			
Well Depth: 28.20 feet using	easuring device)	/ater Depth: 16.59 (from top of well	feet using	(measuring device)
, , ,	,		Ξ,	,
Historical Well Depth: feet	Protective Cas	· · —		
(from ground surface)	to at a set and	(for above-ground surfac	ce) Casing Di	fference: feet
Floating Product Thickness:	feet using	/m	neasuring device)	· · · · · · · · · · · · · · · · · · ·
Well Condition: good		(11	leasuring device)	
<u>~</u>	ure: Alconox 8	P DI Dinco		
Measuring Device Decontamination Proceed	Ambient Air: na		Well Mouth:	
PI Meter ID: na		ppm	vveii ivioutii.	na ppm
PURGING PROCEDURES				maeria
Height of Water .041 gal/ft (·			
Column feet .09 gal/ft (1				,
.16 gal/ft (2		3 casing vol	umes =22.7 (gallons to purge
X65 gal/ft (4	in) 7.0			
11.61 2.6_ gal/ft	(8 in)			
Purge Method: Disposable bailer				
Large Metrica.				
D · · · M.I. (r · · l)		44.00	40.00	
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		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		
vvator / ppeararioe (describe color, darry odor.)	DIACK WILL	Ouo:		
SAMPLING PROCEDURES				
Sampling Procedure: Peristaltic				
Camping Procedure. Periotatio				
Sample Water Appearance (color, cla	rity, odor):	clear with black floaties		
ANALYTICAL PARAMETERS				
	No. of Bottles	F	Preservative/	Field Cool
Analysis Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N Y
				
OTHER ODGERNATIONS				
OTHER OBSERVATIONS		NIANAE (Daine)		
-		NAME (Print) Bre	ent Wheat	
		SIGNATURE:		
				

Notes:

Described whether well was locked and the condition of the protective casing and concrete collar. 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

	Cover Service Head at Art	enderale see desimon demokraties est		and about the control of the page of the control and the page	Operation of the control of the cont
SITE/SAMPLE LOCA	there are a property and the second				
Site Name:		oneywell South Bend		Project No.	.: 3310102011
Personnel Present:	JPS/BMW				
	1:40		Activity End	: 12:10	
Weather: sunn Well Type and Location	y,30's n: 1.5" flushme	ount in park			
				Objective Control of the Control of	
WATER LEVEL/WELL	and the state of t				
Well Depth: 21.40			Vater Depth: 15.8		·
(from top of well ca	sing) (me	asuring device)	• •	well casing)	(measuring device)
Historical Well Depth:	feet	Protective Cas	sing Stickup:	_	Casing Well
*	ground surface)		(for above-ground s	urface) Casing	Difference:feet
Floating Product Thick	ness:	feet using		/	
				(measuring device)	
Well Condition:	Good				
Measuring Device Dec	ontamination Proced		& DI Rinse		
PI Meter ID: <u>na</u>		Ambient Air: na	ppm	Well Mouth	n: <u>na</u> ppm
PURGING PROCEDU	RES				
Height of Water	.041 gal/ft (•			
Column feet	X09 gal/ft (1.	5 in)			
	.16 gal/ft (2		3 casing	volumes =1.	5 gallons to purge
	.65 gal/ft (4	in) 0.5			
<i>5.55</i>	2.6 gal/ft	(8 in)			
Purge Method:	Peristaltic				
ruige Metriou.					
Purge Vol. (gal)		0.38	0.76	1.14	1.50
Time (Min.)		11:49	11:54	11:59	12:04
Temperature (C°)		13.19	13.15	13.22	13.20
pH (Units)		6.85	6.84	6.84	6.85
Conductivity at 25°C (r	nS/cm)	1.53	1.53	1.53	1.53
ORP (mV)		30.00	1.00		-28.00
Turb (NTU)		25.98	11.45	13.22	29.74
DO (%)		0.24	0.08	0.02	0.00
Total Volume Purged		2 00	0 gallons		
•			<u></u>		
Water Appearance (des	cribe color, clarity odor:)	clear			
				Carrier May 200 Enter At 200 Cart - 400 care of the Cart	STANIC SECTION AND ACCOUNTS OF THE CONTRACTOR
SAMPLING PROCED					·
Sampling Proced	lure: Peristaltic	· -			
Sample Water A	ppearance (color, cla	rity. odor):	clear, no odor		
ANALYTICAL PARAM					
ANALIMOALIAMA	ILILIU	No. of Bottles		Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
voc	8260B	3 40 ml VOA		HCL/	N Y
					
					
				1	
OFFICE OFFICE					
OTHER OBSERVATION	JNS		NAME (D. C.	D 414#	
-			NAME (Print)	Brent Wheat	
			SIGNATURE:		
Notes: (1) Desc	ribed whether well was i	ocked and the condition	of the protective casing a	nd concrete collar.	

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 LOCA	TION					
Site Name:		eywell South Bend	And the second s	Project No	o.: 33101	02011
Personnel Present:	JPS/BMW	-,				
Activity Start: 1	4:50		Activity End:	15:30		
·	y,40's		·			
Well Type and Location	n: 1.5" flushmou	nt along Goodland ir	n park			
WATER LEVEL/WELL	DATA					
Well Depth: 26.80	feet using	W	ater Depth: 14.55	feet usi	ng	
(from top of well ca	sing) (meas	uring device)	(from top of v	vell casing)	(measu	ring device)
Historical Well Depth:	feet	Protective Casi	ing Stickup:	feet Protect.	Casing Well	
(from	ground surface)		(for above-ground su	rface) Casing	g Difference:	feet
Floating Product Thick	ness:	feet using				
			٠	(measuring device)		
Well Condition:		well vault cover				
-	ontamination Procedure					
Pl Meter ID: na		Ambient Air: na	ppm	Well Mout	th: <u>na</u>	ppm
PURGING PROCEDU						
Height of Water	.041 gal/ft (1 ir					
Column feet	X .09 gal/ft (1.5 i	· ·	0			
	.16 gal/ft (2 in)		3 casing	volumes =3	3.4 gallons to pu	rge
	.65 gal/ft (4 in)					
12.25	<u>2.6</u> 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 (r	nS/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 (des	cribe color, clarity odor:)	Clear, no o	dor			
SAMPLING PROCED		(2.12)				
Sampling Proced	lure: Peristaltic					
Cample Motor A	ppearance (color, clarity	, adar):	Clear, no odor			
		, odorj.	Clear, 110 odor	# 100 100 100 100 100 100 100 100 100 10	00.000700000000000000000000000000000000	energiale e here ("Children et al March 199
ANALYTICAL PARAM	and the second s	la of Dottles	<u> </u>	Preservative/	Field	Cool
Analysis		lo. of Bottles olume, Type	Bottle Lot	Volume	Field Filtered?	Cool to 4°C?
VOC	8260B	3 40 ml VOA	Dottie Lot	HCL/	N N	Υ Υ
	<u> </u>	0 40 1111 00/1		/		
				1		
				1		
OTHER OPERAL						
OTHER OBSERVATIO	JNS		NAME (Driet)	Pront M/hcat		
-			NAME (Print)	Brent Wheat		
			SIGNATURE:			

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



Sample No.: S26 Sample Date: 02-Nov-10

Sample Time: 13:05

SITE/SAMPLE LOCA	ATION		100		
Site Name:	<u> </u>	ioneywell South Bend		Project No.:	: 3310102011
Personnel Present:	JPS/BMW				
Activity Start:	12:15		Activity En	d: <u>13:10</u>	
Weather: sun Well Type and Locati	nny,40's	ount behind white bui	ding		
		ount beinna winte ban	uing		
WATER LEVEL/WEL		· ·	Vater Depth: 17.5	(4 foot voing	
Weil Depth: 26.9		easuring device)		64 feet using of well casing)	(measuring device)
Historical Well Depth		- · · · · · · · · · · · · · · · · · · ·	sing Stickup:	feet Protect. C	
•	m ground surface)	Protective Ca.	(for above-ground		Difference: feet
Floating Product Thic	kness:	feet using			
3				(measuring device)	
Well Condition:	Good				
Measuring Device De	econtamination Proced	ure: Alconox	& DI Rinse		
Pl Meter ID: na		Ambient Air: <u>na</u>	ppm	Well Mouth:	:ppm
PURGING PROCED	URES				
Height of Water	.041 gal/ft (AND COLOR OF THE C
Column feet	X .09 gal/ft (1	•			
	.16 gal/ft (2		3 casin	g volumes = 2.6	gallons to purge
	.65 gal/ft (4	in) 0.9			
9.36	2.6_gal/ft	(8 in)			
Purge Method:	Peristaltic				
•				*	
Purge Vol. (gal)		1.12	2.24	3.36	4.49
Time (Min.)		12:31	12:46	12:54	13:02
Temperature (C°)		16.58	17.09	17.18	16.89
pH (Units)		6.98	6.98	6.99	6.99
Conductivity at 25°C	(mS/cm)	1.12	1.23	1.25	1.25
ORP (mV)	,	-63.00	-86.00	-91.00	-94.00
Turb (NTU)	•	19.37	6.58	6.22	4.73
DO (%)		0.04	-0.02	-0.03	-0.04
Total Volume Purged	1	4.5	o galions		
ŭ		-	_		
Water Appearance (d	escribe color, clarity odor:)	Gray to si	ightly cloudy, no odor		
CAMPUNC PROCE	DUDES				
SAMPLING PROCE Sampling Proce	Samuel Committee Com				
Camping 1 1000	saure. Tentialité				
Sample Water	Appearance (color, cla	rity, odor):	Clear, no odor		
ANALYTICAL PARA	METERS	Viji i i i i i i i i i i i i i i i i i i			
Company of the Compan	and the second control of the second control	No. of Bottles	ox x000.7.0000 x x x x x x x x x x x x x x x x x	Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/	N Y
					
OTHER OBSERVAT	TIONS				
-			NAME (Print)	Brent Wheat	
			SIGNATURE:		
Notes: (1) Des	scribed whether well was	locked and the condition	of the protective casing a	and concrete collar	

- Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: 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	Il flucture in park			
	" flushmount in park			- 100000 Mark 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 1
TO MANAGE THE PARTY OF THE PART	1.0	/ · · · · · · · · · · · · · · · · · · ·		
Well Depth: 27.90 feet usin (from top of well casing)	ng VV (measuring device)	ater Depth: 18.41 (from top of well	feet using	(measuring device)
	, - ,	· · · · ·		
Historical Well Depth: (from ground surfac	feet Protective Casi	ing Stickup: fee for above-ground surface		•
Floating Product Thickness:	feet using	(10) above-ground surface	Casing Dill	erence.
Touting Froduct Frickness.	icet daing	(n	neasuring device)	
Well Condition:	Good	,	,	
Measuring Device Decontamination		DI Rinse		
Pi Meter ID: na	Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCEDURES		··		
COLUMN TO THE PROPERTY OF THE	1 gal/ft (1 in)		2	
	gal/ft (1.5 in)			
		3 casing vol	umes = 2.6 ga	allons to purge
.65	gal/ft (4 in) 0.9			
9.49 2	.6 gal/ft (8 in)			
	<u> </u>			
Purge Method: Peristaltic				
Dunna Val. (mal)	0.50	1.00	1 20	2.00
Purge Vol. (gal)	0.50	11:24	1.30	2.00
Time (Min.)	11:20		11:26	11:29
Temperature (C°)	13.24	13.07	13.17	13.28
pH (Units)	6.62	6.71	6.74	6.77
Conductivity at 25°C (mS/cm)	0.97	0.97	0.97	0.97
ORP (mV)	209.00 10.54	157.00	131.00	94.00 7.52
Turb (NTU)		5.75	4.57	0.04
DO (%)	0.68	0.11	80.0	0.04
Total Volume Purged	5.00	gallons		
Water Appearance (describe color, clarity	y odor:) Clear, no o	dor		
SAMPLING PROCEDURES	:			
Sampling Procedure: Per	istaltic			
Sample Water Appearance (d	color, clarity, odor):	Clear, no odor		
ANALYTICAL PARAMETERS				
	No. of Bottles	F	Preservative/	Field Cool
Analysis Method	Volume, Type	Bottle Lot	Volume F	iltered? to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N Y
				
OTHER OBSERVATIONS				
-		NAME (Print) Bro	ent Wheat	
		CIONATURE	· 	
Notes: (1) Described whether	well was locked and the condition (SIGNATURE:	encrete collar	

(1) Described whether well was locked and the condition of the protective casing and condities 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 JPS/BMW Personnel Present: Activity Start: 18:00 Activity End: 18:30 Weather: sunny,40's Well Type and Location: 2" flushmount along Bendix WATER LEVELWELL DATA feet using Well Depth: 23.50 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: Floating Product Thickness: feet using (measuring device) Well Condition: good Measuring Device Decontamination Procedure: Alconox & DI Rinse PI Meter ID: Ambient Air: na Well Mouth: ppm PURGING PROCEDURES Height of Water .041 gal/ft (1 in) Column feet .09 gal/ft (1.5 in) .16 gal/ft (2 in) 3 casing volumes = 4.2 gallons to purge .65 gal/ft (4 in) 8.54 2.6 gal/ft (8 in) Purge Method: Peristaltic Purge Vol. (gal) 1.00 2.00 3.00 4.10 Time (Min.) 18:09 18:12 18:19 18:25 Temperature (C°) 17.29 17.31 17.38 17.42 pH (Units) 6.89 6.90 6.92 6.93 Conductivity at 25°C (mS/cm) 4.20 4.08 3.89 3.70 ORP (mV) -61.00 -56.00 -50.00 -44.00 Turb (NTU) 17.31 16.21 14.92 11.27 DO (%) 0.05 0.02 0.01 0.04 Total Volume Purged 4.20 gallons Water Appearance (describe color, clarity odor:) clear SAMPLING PROCEDURES Sampling Procedure: Peristaltic Sample Water Appearance (color, clarity, odor): clear, no odor ANALYTICAL PARAMETERS No. of Bottles Preservative/ Field Cool Volume, Type to 4°C? Analysis Method **Bottle Lot** Volume Filtered? HCL/ Ν VOC 8260B 3 40 ml VOA OTHER OBSERVATIONS NAME (Print) **Brent Wheat**

SIGNATURE:

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 Sample Date: 05-Nov-10 Sample Time: 10:45

SITE/SAMPLE LOCA	TION				152.0	Subsection Acres
gayyaggan sala galabahan da kita ana akada kenada kitabaha		Ionovavoll South Bend		Project No :	***************************************	
Site Name: Personnel Present:	JPS/BMW	Ioneywell South Bend		Project No.:	3310	102011
			Activity End: 11:00	\ (11/5/10)		
	/,30's		Activity End: 11:00	7 (11/3/10)		
Well Type and Location		n well in front of Bosch				
WATER LEVELWEL	I DATA	- Secretary				
Well Depth 56.30		Wa	ter Depth: 29.87	feet using		X 1.21.4 15 . X 1. X 1.
(from top of well ca		easuring device)	(from top of well ca		(measu	ring device)
Historical Well Depth:	feet	Protective Casin	, ,	Protect. Casin	•	,
•	ground surface)	1 totective Qualit	(for above-ground surface)	Casing Diffe	-	feet
Floating Product Thick	-	feet using	,			
Troughly Froduct Thiol			(mea	suring device)		
Well Condition:	Good					
Measuring Device Dec	contamination Proce	dure: Alconox &	DI Rinse			
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth:	na	ppm
PURGING PROCEDU	IRES					
Height of Water	.041 gai/ft	(1 in)		***************************************		D. A. L. Control of the Control of t
Column feet	.09 gal/ft (1	.5 in)				
	.16 gal/ft (2	in) X _	3 casing volum	es =ga	llons to p	urge
-	.65 gal/ft (4	in) -				
26.43	2.6 gal/ft	(8 in)				
Purge Method:	 -		hr. period. ~ 8-12 oz. purge	ed eveny hour Start	ചർ @ 10:	40
r arge Metrioa.	Composite 2.5 gain	on jug conceded over 24	Tit. period. 0-12 02. pargi	ca every floar. Otari	eu (<u>e</u> 10.	
Dune Mal (nel)		F 00				
Purge Vol. (gal)		5.00	na	na		na
Time (Min.)		10:46	na	<u>na</u>		na
Temperature (C°)		13.84	na	na		na
pH (Units)		7.16	na	na		na
Conductivity at 25°C (mS/cm)	1.36	na	na		na
ORP (mV)		29.00	<u> </u>	na		na
Turb (NTU)		9.06	na	na		na
DO (%)		0.51	na	na		na
Total Volume Purged		5.00	gallons			
Water Appearance (de	scribe color, clarity odor;)	Cloudy ora	nge, no odor			
,,						
CONTINUED ON REV	engeleen van verste kommen van de begreep van de be					
SAMPLING PROCED			0.5 !!		0	
Sampling Proce		samples collected from om sample spigot after	2.5 gallon composite jug us	sing peristantic pump	. Grap s	ampies
Sample Water A	ppearance (color, cl		Grab sample clear, Compos	ite sample orange.		
ANALYTICAL PARAI					constitution.	
	<i></i>	No. of Bottles	Pre	servative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot \	/olume Fil	tered?	to 4°C?
VOC	624	3 40 ml VOA		HCL/	N	Y
SVOC, Dioxin Screen		2 1 L Amber		<u>-/</u>	N	Υ
Pesticides, PCBs	608	2 1 L Amber			N	Υ
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	Y
T. O&G (FOG)	1664-HEM	2 1 L Amber		12SO4/	N	Υ
TPH O&G	1664-SGT HEM	2 1 L Amber		12504/	N	Υ
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poiy		12504/	N	Y
T. Metals	200.7/200.8	1 500 ml Poly		HNO3/	N	<u>·</u>
BOD				-/	N	<u>.</u> У
Phosphorus	5210B	1 1 L Poly			N	Y
	365.1 2540D	1 250 ml Poly	<u></u>	<u>-/</u>	N	Y
<u>TSS</u>	2540D	1 250 ml Poly			••	
OTHER OBSERVATI		10				
•	ples collected with D Timer and composit	• •	NAME (Print) Brent	Wheat		
	with alconox and DI	rinse prior to use.				
			SIGNATURE:			

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



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

SITE/SAMPLE LOCA	TION								
Site Name:	96.3 with 93.30.7 WE + 6.96.27 Week	Honeyv	vell South B	end			Project No.:	3310 ⁻	102011
Personnel Present:	JPS/BMW								
· -	(11/3/10)				Activit	ty End: 19:45 (1	1/4/10)		
	y sunny,30's	traction wall	manhala al	ong Bondiy					
Well Type and Locatio		traction well	mamore ar	orig Deliuix	en ver eindraus nu	and the first section of the f		404300000000000000000000000000000000000	all all in a contained by
WATER LEVEL/WELL				Weter De	nth:	20.06	foot volne		
Well Depth 43.20 (from top of well ca		(measurin	device)	Water De		20.86 top of well casing	feet using	(measi	ıring device)
Historical Well Depth:	g,	feet	- •	Casing Stick	-	feet	" Protect. Cas	•	
	ground surface)		FIDIECTIVE	_		ound surface)	Casing Di	-	feet
Floating Product Thick	-		feet using	,	•	•			
•						(measuri	ng device)		
Well Condition:		good							
Measuring Device Dec	contamination	Procedure:	Alcon	ox & DI Rin	se				
Pl Meter ID: na		Ar	mbient Air: _ı	na	ppm	1	Well Mouth: _	na	ppm
PURGING PROCEDU	RES		K				11071		
Height of Water		gal/ft (1 in)							
Column feet		al/ft (1.5 in) .		V			_		
		al/ft (2 in) al/ft (4 in)	_	х	_3 (casing volumes	=!	gallons to p	urge
			-						
22.34		gal/ft (8 in)							
Purge Method:	Composite 2.	5 gallon jug	collected ov	er 24 hr. pe	riod. ~ 8	-12 oz. purged e	every hour. Sta	arted @ 18:	10
Purge Vol. (gal)		-	5.0	00		na	na		na
Time (Min.)		_	18:	58		na	na		na
Temperature (C°)		_	14.4	48		na	na		na
pH (Units)		-	7.1	6	•	na	na		na
Conductivity at 25°C (I	mS/cm)	_	0.8	35		na	па		na
ORP (mV)		_	-52.	00		na	na		na
Turb (NTU)		_	0.9	95		na	na		na
DO (%)		_	0.2	23		na	na		na
Total Volume Purged				5.00 gallons					
Water Appearance (des	ecribe color clarity	odor:)		no odor					
rrator rippodrarios (usi	some ocion, ciamy	-	0.001,	110 0001					
CONTINUED ON REV	/FRSF								
SAMPLING PROCED	reconstitutivites - hodylystytesess, etietytet								
Sampling Proces						nposite jug using	peristaltic pur	np. Grab s	amples
		ted from sa				ns.			
Sample Water A	ppearance (co	lor, clarity, o	dor):	clear, r	o odor			.	
ANALYTICAL PARAM	METERS				S. S				
Tarakolonia ara arabatan kanan da erabata terbata beleteka eri araba	sicos a se escribiral cas disciones de 111. Villa.	No.	of Bottles	and the same and the same a	Salakat a ridalisi	Preser	vative/	Field	Cool
Analysis	Method	Volu	me, Type	Bot	tie Lot	Volu	ime	Filtered?	to 4°C?
voc	624	3	40 mi VOA			HC	<u> </u>	N	Y
SVOC, Dioxin Screen	625		1 L Amber					N	Υ
Pesticides, PCBs	608		1 L Amber					N	Υ
T. Cyanide	4500 CN-E	1	250 ml Poly			NaC		N	Y
T. O&G (FOG)	1664-HEM		1 L Amber			H2S		N	Y
TPH O&G	1664-SGT H		1 L Amber			H2S		N	Y
Ammonia, Nitrogen	4500 NH3-F		250 ml Poly			H2S		N N	Y Y
T. Metals	200.7/200.8		500 ml Poly			HN0		N	Y
BOD	5210B		1 L Poly					N	Y
Phosphorus	365.1		250 ml Poly			H2S		N	Y
TSS	2540D	1	250 ml Poly			-	<u>'</u>	N	<u> </u>
OTHER OBSERVATION	ONS								
Composite samp		with DIG pro	gramable	NAME	(Print)	Brent W	heat		
irrigation timer.	Timer and con	nposite jug v	were		· ····-y				
decontaminated	with alconox a	and DI rinse j	prior to use.						

Notes:

Described whether well was locked and the condition of the protective casing and concrete collar.

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 LOCA	TION					
Site Name: Personnel Present:	JPS/BMW	Honeywell South Ben	<u>d</u>	Project No.	.: 3310	102011
	(11/4/10)		Activity Er	nd: 12:20 (11/5/10)		
	y,30's			12.20 (1.107.10)		· · · · · · · ·
Well Type and Location	on: 4" Extrac	ction well manhole alon	g Bendix			
WATER LEVEL/WEL	LDATA					
Well Depth 30.60		(measuring device)	Water Depth: 22.	25 feet using feet using	•	uring device)
Historical Well Depth:	fee		sing Stickup:	feet Protect. C	asing Well	
,	ground surface)		(for above-ground		Difference:	feet
Floating Product Thick	ness:	feet using				
Well Condition:	Go	od		(measuring device)		
Measuring Device Dec			& DI Rinse			
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth	ı: na	ppm
PURGING PROCEDU	IDEC				27.50 million of \$18.50 kg	<u></u>
Height of Water	.041 gal	'ft (1 in)				
Column feet	.09 gal/fl					
	.16 gal/fi	: (2 in) X	. <u>3</u> casir	ng volumes = -	_gallons to p	urge
	.65 gai/fi	: (4 in) =				
8.35	2.6 ga	/ft (8 in)				
Purge Method:	Composite 2.5 a	allon iug collected over	24 hr period ~ 8-12	oz. purged every hour.	Started @ 12	.09
r argo Mourioa.	Composite Lie g	anon jag conceica ever	27111. politou. 0 12	oz. pargoa overy moun.	J. 12.	
Purgo Vol. (gal)		5.00	na	na		no
Purge Vol. (gal) Time (Min.)		12:00	na	na		na na
Temperature (C°)		16.29	na	na		na
pH (Units)		6.99	na	na		na
Conductivity at 25°C (mS/cm)	2.31	na na	na		na
ORP (mV)	1110/0111/	3.25	na na	na		na
Turb (NTU)		-0.04	na	na	- '	na
DO (%)		3.25	na	na		na
Total Volume Purged			00 gallons			
Water Appearance (de	scribe color, clarity odor		- -			
CONTINUED ON REV	and the second s					
SAMPLING PROCED Sampling Proce	ina international and income and	ite samples collected fr	om 2.5 gallon compos	ite jug using peristaltic p	umn Grahs	amnles
Odinping i rocc	•	ite samples collected if I from sample spigot af	• ,	nte jug using penstante p	ump, Otab s	ampies
Sample Water A	ppearance (color,		clear, no odor			
	2 307 000 000 000 000		from Local filliams Character of States review rate state	Constitution of the Consti	to Description of the Section	Jan of Miretoslava ve
ANALYTICAL PARAI	WETERS	No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC	624	3 40 ml VOA	24	HCL/	N	Y
SVOC, Dioxin Screen		2 1 L Amber		-/	N	Υ
Pesticides, PCBs	608	2 1 L Amber		-/	N	Υ
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	Υ
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	Υ
OTUED ODDED!	ONE					
Composite same		DIG programable	NAME (Drint)	Pront Wheet		
	Timer and compo		NAME (Print)	Brent Wheat		
-	•	DI rinse prior to use.	SIGNATURE			

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



Sample No.: Sample Date: Sample Time: 8:40

		Charles Williams & Charles and	salah beruman salah salah	20170-055020-055	95 a. 4 (120 betatan 11 - 135)	Managast rice or residence	SMINDSMEDS LAKE	process state and the state of	novide Control (1985)
SITE/SAMPLE LOCA	IION	Uanasa	uali Cauth E) and			Drainet No.	2240	100011
Site Name: Personnel Present:	JPS/BMW	нопеуч	vell South E	sena			Project No.:	3310	102011
	(11/4/10)				Activity	End: 9:20 (11	/5/10\		
*	dy,30's				- Activity	LIIG. 0.20 (11	10/10/		
Well Type and Location	*	draction well	by black tra	ailer					
WATER LEVEL/WEL	L DATA				***************************************				
Well Depth 49.00				Water		0.45	feet using		
(from top of well ca		(measurin	• ,		•	op of well casing			uring device)
Historical Well Depth:	ground surface	feet	Protective	•	tickup: (for above-grou		Protect. Ca	•	feet
•	•		feet using		(IOI above-groc	illu sullace)	Casing D	ifference:	
Floating Product Thick	(11033.		leet dailing			(measuri	ing device)		
Well Condition:		good				,	,		
Measuring Device Dec	contamination		Alcor	ox & DI I	Rinse				
P! Meter ID: na		A	mbient Air:	na	ppm		Well Mouth:	na	ppm
PURGING PROCEDU	***************************************								
Height of Water Column feet		gal/ft (1 in)							
Column feet		al/ft (1.5 in) al/ft (2 in)		Х	3 ca	sing volumes	- -	gailons to p	urae
		al/ft (4 in)	_	^ —		alig volunies	<u> </u>	ganons to p	uige
28.55		gal/ft (8 in)							
Purge Method:				ver 24 hr.	period. ~ 8-1	2 oz. purged	every hour. S	tarted @ 8:1	.0
Purge Vol. (gal)			5.0	00	na	<u> </u>	na		na
Time (Min.)			9:0	05	na	<u> </u>	na		na
Temperature (C°)			9.7	71	na	<u> </u>	na	. · <u> </u>	na
pH (Units)		_	6.7	71	na	<u> </u>	na		na
Conductivity at 25°C (mS/cm)	_	0.7	75	na	<u> </u>	na		na
ORP (mV)		_	202	.00	na	<u> </u>	na	<u> </u>	na
Turb (NTU)			0.2	26	na		na		na
DO (%)		_	0.4	12	na	<u> </u>	na		na
Total Volume Purged				5.00 gall					
Water Appearance (de	scribe color, clarity	odor:)	slightl	ly cloudy,	orange, slight	odor	***		
CONTINUED ON REV	/EDQE								
SAMPLING PROCED	POST CONTRACTOR CONTRA								
Sampling Proced	and the second s	posite samp	les collecte	d from 2.5	gallon comp	osite jug using	peristaltic pu	mp. Grab s	amples
	colle	cted from sa	mple spigo	t after pur	ging 5 gallons	·			
Sample Water A	ppearance (co	olor, clarity, c	odor):	clea	r, no odor				
ANALYTICAL PARAI	VETEDO	9075 SUSSASSAS	969 maka - 255 ki	50 S.T. #64 S150 (1)	narassississississississi	Ausersuccitics become		SAR INSLITATION	
ANALTICALTARA	WE LENS	No	of Bottles			Preser	vative/	Field	Cool
Analysis	Method		me, Type	ı	Bottle Lot	Volu		Filtered?	to 4°C?
voc	624		40 ml VOA			но	:L/	N	Υ
SVOC, Dioxin Screen			1 L Amber			-	/	N	Υ
Pesticides, PCBs	608	2	1 L Amber			-	/	N	Υ
T. Cyanide	4500 CN-E	1	250 ml Poly	, —		Nac	DH/	N	Y
T. O&G (FOG)	1664-HEM	2	1 L Amber			H2S	04/	N	Υ
TPH O&G	1664-SGT H	EM 2	1 L Amber			H2S	04/	N	Υ
Ammonia, Nitrogen	4500 NH3-F	1	250 ml Poly	/ <u> </u>		H2S	04/	N	Y
T. Metals	200.7/200.8	1	500 ml Poly	/		HN	03/	N	Υ
BOD	5210B	1	1 L Poly				<i>l</i>	N	Υ
Phosphorus	365.1	1	250 ml Poly	/		H2S	04/	N	Y
TSS	2540D	1	250 ml Poly	/			1	N	Υ
OTHER OBSERVATION		with DIO	aramabla						
Composite samp irrigation timer.			-	NAI	ME (Print)	Brent W	neat		
decontaminated				. 810	NATURE:		*		

Described whether well was locked and the condition of the protective casing and concrete collar. 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 LOCA	TION								A
Site Name:		Honev	well South Be	end	Para selata (S. C. C. L. C.	e di Austria (18 Austria).	Project No.:	3310	102011
Personnel Present:	JPS/BMW								
Activity Start: 11:00	(11/4/10)				Activity E	nd: 11:30 (11	1/5/10)		
Weather: heav	y rain,30's								
Well Type and Location	on: <u>4" Ex</u>	traction wel	I in manhole	along B	endix				
WATER LEVEL/WEL	L DATA								
Well Depth 57.00	egic de como el como e colordo el colordo en colordo el colordo el colordo el colordo el colordo el colordo el				Depth: 25.	.98	feet using		
(from top of well ca		(measurir	ng device)		(from top	of well casing		(measi	uring device)
Historical Well Depth:		feet	Protective C	Casing S	Stickup:	feet	Protect. Cas	ing Well	
(from	ground surface)				(for above-ground	d surface)	Casing Di	fference:	feet
Floating Product Thick	ness:		feet using _			, .			
MALE OF THE STATE OF		04				(measurii	ng device)		
Well Condition: Measuring Device Dec		Good Procedure:	Alcono	ny & DI	Rinea				
Pl Meter ID: na	Jonaminadon		mbient Air: n		ppm		Well Mouth:	na	ppm
i i Mictor ID.			111D1011117 1111. 111					110	PP'''
PURGING PROCEDU					,				
Height of Water	· ·	gal/ft (1 in)							
Column feet		al/ft (1.5 in)		v	2 000		_	andiana ta m	
		al/ft (2 in) al/ft (4 in)	-	×	3 casi	ng volumes =		galions to p	lurge
31.02		gal/ft (8 in)	}		× .				
Purge Method:		• , ,		er 24 hr	. period. ~ 8-12	oz. purged e	very hour. Sta	arted @ 11	:11
						 -	 		
Purge Vol. (gal)			5.00	<u> </u>	na		na		na
Time (Min.)			11:2		na		na		na
Temperature (C°)			14.4		na		na		na
pH (Units)			7.17		na		na		na
Conductivity at 25°C (mS/cm)		1.21		na		na		na
ORP (mV)			10.0		na		na		na
Turb (NTU)			0.56		na		na		na
DO (%)			0.57		na		na na		na
Total Volume Purged Water Appearance (de	scribe color clarity	ndor:)		5.00 gal	ions iudy, white, no o	dor			
, , , , , , , , , , , , , , , , , , ,			Modele	y 0,0	ady, minto, no o				
CONTINUED ON REV	· · · · · · · · · · · · · · · · · · ·	***********************							
SAMPLING PROCED									
Sampling Proce		•			5 gallon compos rging 5 gallons.	site jug using	peristaltic pur	np. Grab s	amples
Sample Water A				<u> </u>	ar, no odor				
2, 12	4-1		·_						
ANALYTICAL PARAI	METERS								
A l i-	N. A. a. Albanari		of Bottles		Dettie Let	Preserv Volu		Field Filtered?	Cool to 4°C?
Analysis VOC	Method 624		ıme, Type 40 ml VOA		Bottle Lot	HC		N N	10 4 C? Υ
SVOC, Dioxin Screen			1 L Amber		.			N	· Y
Pesticides, PCBs	608		1 L Amber			-/		N	Y
T. Cyanide	4500 CN-E		250 ml Poly			NaC		N	Υ
T. O&G (FOG)	1664-HEM		1 L Amber			H2S		N	Y
TPH O&G	1664-SGT HE		1 L Amber			H2S		N	Y
Ammonia, Nitrogen	4500 NH3-F		250 ml Poly	-		H2S		N	Υ
T. Metals	200.7/200.8		500 ml Poly			HNC	03/	N	Υ
BOD	5210B	1	1 L Poly			-/		N	Υ
Phosphorus	365.1	1	250 mi Poly			H2S	04/	N	Υ
TSS	2540D	1	250 ml Poly	_		-/		N	Υ
OTHER OBSERVATION		with DIC acc	aramahla		ME (D 2 - 0		4		
Composite sam irrigation timer.				NΑ	ME (Print)	Brent Wh	eat		
decontaminated				616	2NATIDE:				

⁽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 LOCA	TION			9.76					
Site Name:		Honey	well South B	end		grant and an	Project No.:	3310	102011
Personnel Present:	JPS/BMW								
Activity Start: 8:40	(11/4/10)				Activity	End: 10:00 (11/5/10)		
Weather: clou-	dy,30's								
Well Type and Location	on: 4" Rec	overy well	inside Hone	eywell					
WATER LEVEL/WELL	LDATA			74 (44)					
Well Depth 23.60	transportation and sales in the state of the sales and the sales and the sales and the sales are sales a	Nasamara Sirika		Wate	r Depth: NM	And the second second second	feet using	marana.	
(from top of well ca		(measurin	g device)	,,,,,,	·	op of well casin	<u> </u>		uring device)
Historical Well Depth:	fe	et	Protective	Casing	Stickup:	feet	Protect, Ca	sina Well	
•	ground surface)		1 101001110		(for above-grou			ifference:	feet
Floating Product Thick	ness:		feet using				ŭ		
•	_			F-91		(measu	ring device)		
Well Condition:		lood							
Measuring Device Dec	contamination P	ocedure:	Alcon	ox & D	Rinse				
PI Meter ID: na		A	mbient Air: _	na	ppm		Well Mouth:	na	ppm
		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NESS DE MONTO POUTS DE LA	0.0004203809408		and the second second	Control acres on the Control Section	Avander Biophococcides	over station were arrest one
PURGING PROCEDU Height of Water		al/ft (1 in)							
Column feet		/ft (1.5 in)							
		/ft (2 in)		Х	3 ca	sina volumes	;= -	gallons to r	ourae
	—	/ft (4 in)	-					3+ t	3-
#VALUE!	2.6 g	al/ft (8 in)	•						
Purge Method:	Composite 2.5	gallon jug	collected or	ver 24 h	r. period. ~ 8-1	12 oz. purged	every hour. S	tarted @ 8:5	i5
Purge Vol. (gal)			5,0		n	<u> </u>	na	· <u> </u>	na
Time (Min.)		-	9:4		n		na		na
Temperature (C°)		-	13.		n	<u> </u>	na		na
pH (Units)		-	7.0		n:		na		na
Conductivity at 25°C (mS/cm)	-	1.0		n:	<u> </u>	na		na
ORP (mV)			35.		n:		na		na
Turb (NTU)			1.4		n:	<u> </u>	na		na
DO (%)			2.0		n;	<u> </u>	na		na
Total Volume Purged				5.00 ga					
Water Appearance (de	scribe color, clarity od	or:) .	Iviode	rately cit	oudy, black, str	ong odor			
CONTINUED ON REV	/ERSE								
SAMPLING PROCED	URES								
Sampling Proce					.5 gallon comp		g peristaltic pu	ımp. Grab s	amples
0 1 10111 10					urging 5 gallons				
Sample Water A	ppearance (colo	r, clarity, c	odor):	CIE	ear, strong odo	<u>r </u>			
ANALYTICAL PARAI	VIETERS								
Andrea in the control of the second of the s		No.	of Bottles			Prese	rvative/	Field	Cool
Analysis	Method	Voiu	me, Type		Bottle Lot	Vol	ume	Filtered?	to 4°C?
<u>voc</u>	624		40 ml VOA			H	CL/	N	Y
SVOC, Dioxin Screen	625	2	1 L Amber	_			<u>-/</u>	N	Y
Pesticides, PCBs	608	2	1 L Amber				<u>-/</u>	N	<u>Y</u>
T. Cyanide	4500 CN-E	1	250 ml Poly	′			OH/	N	Y
T. O&G (FOG)	1664-HEM		1 L Amber	_			SO4/	N	Y
TPH O&G	1664-SGT HEN	12	1 L Amber				SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F		250 ml Poly				SO4/	N	Y
T. Metals	200.7/200.8		500 ml Poly	′ _			103/	N	Y
BOD	5210B		1 L Poly	_			-/	N	Y
Phosphorus	365.1		250 ml Poly				SO4/	N	Y
TSS ·	2540D	1	250 ml Poly	′ —			<u>-/</u>	N	Υ
OTHER OBSERVATION	ONS								
Composite sam		th DIG pro	gramable	N/A	AME (Print)	Brent W	/heat		
irrigation timer.	Timer and comp	osite jug	were			2101111	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
decontaminated	with alconox an	d DI rinse	prior to use.	SI	GNATURE:				

Notes:

Described whether well was locked and the condition of the protective casing and concrete collar. 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 LOCA	TION		7 (FR)	77.	Sec.				
Site Name:	300 230 XX II 201797 200 300 XX X	Honey	well South B	Bend	AT STATE TO SECURE AND COMMENT OF SECURE	P40->400.00000000000000000000000000000000	Project No.:	3310	102011
Personnel Present:	JPS/BMW								
	(11/2/10)			·	Activ	rity End: 13:30	(11/3/10)		
	r,20's		h. D 1. 40						
Well Type and Location	on: <u>4" R</u>	ecovery well	by Dock 10						
WATER LEVEL/WEL	L DATA								
Well Depth 49.80	_			Water D	•	28.27	feet using		
(from top of well ca		(measurir	ng device)		(fro	m top of well cas	sing)	(meas	uring device)
Historical Well Depth:		feet	Protective	Casing Sti	-	feet	Protect. Ca	-	
•	ground surface			(f	or above-g	ground surface)	Casing D)ifference: _	feet
Floating Product Thick	(ness:		feet using _			/meas	suring device)		
Well Condition:		good				(meas	suring device)		
Measuring Device Dec	contamination	-	Alcor	nox & DI Ri	nse				
Pl Meter ID: na		Α	mbient Air:	na	ppr	m	Well Mouth:	na	ppm
			_						
PURGING PROCEDU									
Height of Water		gal/ft (1 in)							
Column feet		al/ft (1.5 in)		v		agains values		maliana ta m	
		al/ft (2 in) al/ft (4 in)	_	х	3	casing volume	es = <u>-</u>	gallons to p	ourge
21.53		gal/ft (8 in))						
Purge Method:				ver 24 hr. p	eriod. ~	8-12 oz. purge	d every hour.		
	·								
Purge Voi. (gal)			5.0	00		na	na		na
Time (Min.)			12:	50		na	na		na
Temperature (C°)			14.	51		na	na		na
pH (Units)			7.1	19		na	na		na
Conductivity at 25°C (mS/cm)		1.1	17		na _	na		na
ORP (mV)			16.	00		na	na		na
Turb (NTU)			18.	84		na	na		na
DO (%)			1.1	13		na _	na		na
Total Volume Purged				5.00 gallor	าร				
Water Appearance (de	scribe color, clarity	odor:)	clear					·, ··· ·	
CONTINUED ON REV	/FRSE								
SAMPLING PROCED	Charles on the Control of the Contro								
Sampling Proce		posite samp	les collecte	d from 2.5 g	gallon cor	mposite jug usi	ing peristaltic pu	ımp. Grab s	amples
	colle	cted from sa	ample spigot	t after purgi	ng 5 gallo	ons.			
Sample Water A	ppearance (co	olor, clarity, o	odor):	clear,	strong s	ulfur odor			
ANALYTICAL PARAI	VETEDS	50.000 N. 100 N. 10			Discoviousitas	PROPERSONAL CONTROL OF	ROKARS GRAVITUS	- Car Car	
AIVALIANAI	nt i tho	No.	of Bottles			Pres	ervative/	Field	Cool
Analysis	Method		ıme, Type	В	ottle Lot	V	olume	Filtered?	to 4°C?
VOC	624	3	40 ml VOA			ı	HCL/	N	Y
SVOC, Dioxin Screen	625	2	1 L Amber				-/	N	Υ
Pesticides, PCBs	608	2	1 L Amber			_	-/	N	Y
T. Cyanide	4500 CN-E	1	250 ml Poly	/ <u> </u>		N	laOH/	N	Y
T. O&G (FOG)	1664-HEM	2	1 L Amber			H:	2SO4/	N	Y
TPH O&G	1664-SGT H	EM 2	1 L Amber			H:	2SO4/	N	Y
Ammonia, Nitrogen	4500 NH3-F	1	250 ml Poly	<i></i>		H:	2SO4/	N	Υ
T. Metals	200.7/200.8	1	500 ml Poly	/ <u> </u>		H	INO3/	N	Y
BOD	5210B	1	1 L Poly				-/	N	Υ
Phosphorus	365.1	1	250 ml Poly			H:	2804/	N	Y
TSS	2540D	1	250 ml Poly	/ <u></u>			-/	N	Υ
OTUED OCCUPATION	0110							<u></u>	
OTHER OBSERVATION Composite same		with DIG are	naramahla	KI A R #	E (Deich	D	\^/hoo±		
irrigation timer.		•	-	INAMI	E (Print)	brent	Wheat		· · · · · · ·
decontaminated				. SIGN	ATURE:				
				21214					

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



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

SITE/SAMPLE LOCA	TION					
Site Name: Personnel Present:	JPS/BMW	Honeywell South Bend		Project No	o.:3310	102011
	(11/3/10)		Activity E	ind: 18:45 (11/4/10)		
· —	dy,30's		Activity L	.na. <u>10.45 (174710)</u>		
Well Type and Location		very well by Stinky Stairs	3			
WATER LEVEL/WEL						
Well Depth NM	feet using	district the second	Vater Depth: 21	.22 feet usir		
(from top of well ca	_ ~	(measuring device)	·	p of well casing)		uring device)
Historical Well Depth:	fee	t Protective Cas	sing Stickup:	feet Protect, (Casing Well	
	ground surface)		(for above-grour		Difference:	feet
Floating Product Thick	ness:	feet using				
•				(measuring device)		
Well Condition:	Go	od				
Measuring Device Dec	contamination Pro	cedure: Alconox	& DI Rinse			
Pl Meter ID: na		Ambient Air: na	ppm	Well Mout	h: na	ppm
PURGING PROCEDU	IRES					
Height of Water	.041 gal/	'ft (1 in)			none i constituina e e e e e e e e e e e e e e e e e e e	Contract of Contra
Column feet	.09 gal/fi	: (1.5 in)				
	.16 gal/fi	: (2 in) X	3 cas	ing volumes = -	gallons to p	urge
	.65 gal/fi	: (4 in) -				
#VALUE!	2.6 ga	/ft (8 in)				
Durgo Method:			24 hr period ~ 12 c	z. purged every hour. S	tarted @ 16:36	3
Purge Method:	Composite 2.5 g	alion jug collected over	24 m. penou. * 12 c	z. parged every nour. 3	tarted @ 10.50	'
Purge Vol. (gal)		5.00	na	na		na
Time (Min.)		18:10	na	na		na
Temperature (C°)		14.10	_ na	na		па
pH (Units)		7.04	na	na		na
Conductivity at 25°C (mS/cm)	1.00	na	na		na
ORP (mV)		-66.00	na	na na		na
Turb (NTU)		-0.09	na	na		na
DO (%)		0.09	na	na		na /
Total Volume Purged		5.0	0 gallons			
Water Appearance (de	ecribe color clarity odor	·) moderate	iy cloudy, gray, stron	ng odor		
Trater Appearance (ac	some color, diamy out	, moderate	ly cloudy, gray, or or	ig odol		
CONTINUED ON REV	IEDSE					
SAMPLING PROCED	respectively control seems and you process a seems (and a					
Sampling Proce		ite samples collected fro	om 2.5 gallon compo	site jug using peristaltic	pump. Grab s	amples
		l from sample spigot aft			•	·
Sample Water A	ppearance (color,	clarity, odor):	cloudy, white, stro	ng odor		
	- Vloje Wilson utrasid	or a silentian a log - Door of the Mark Williams	carrenos sectionas de trades satura	-Anna-Armania and Jana Armania - No. (1900)	one SSS distantanto e territorio	And a real tops of the state of
ANALYTICAL PARAI	WETERS	No of Dollar		Dragon etiyo/	Eiold	Cool
Analysis	Method	No. of Bottles Volume, Type	Bottle Lot	Preservative/ Volume	Field Filtered?	Cool to 4°C?
VOC	624	3 40 ml VOA	DOME LO	HCL/	N N	Y
SVOC, Dioxin Screen		2 1 L Amber		-/ ·	N	· · ·
Pesticides, PCBs	608	2 1 L Amber		-	N	<u>.</u> У
T. Cyanide	4500 CN-E	1 250 ml Poly		NaOH/	N	<u>·</u>
				H2SO4/		<u> </u>
T. O&G (FOG)	1664-HEM 1664-SGT HEM	2 1 L Amber		H2SO4/	N	· Y
TPH O&G		2 1 L Amber		H2SO4/	N	
Ammonia, Nitrogen	4500 NH3-F	1 250 ml Poly				
T. Metals	200.7/200.8 5310B	1 500 ml Poly		HNO3/		' Y
BOD	5210B	1 1 L Poly		-/ H2CO4/		<u> </u>
Phosphorus	365.1	1 250 ml Poly		H2SO4/	N	<u> </u>
TSS	2540D	1 250 ml Poly				
OTHER OBSERVATI	ONS					
		DiG programable	NAME (Print)	Brent Wheat		
'	Timer and compo		(1 11114)	Dione Whose		
decontaminated	with alconox and	DI rinse prior to use.	SIGNATURE			

Notes:

Described whether well was locked and the condition of the protective casing and concrete collar.

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

		550 C. A. C.	2 40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	** ***********************************	
SITE/SAMPLE LOC	The the strain of the strain o		and the second s		
Site Name:		neywell South Bend		Project No.:	3310102011
Personnel Present:	MLM - Peerless Midw	rest			
Activity Start:			Activity End: _	-	
	d, overcast,	-11			
Well Type and Locat					
WATER LEVEL/WE	SANDARA ARABAMAN MANAKATAN MANAKATAN MANAKATAN MANAKATAN MANAKATAN MANAKATAN MANAKATAN MANAKATAN MANAKATAN MAN				
Well Depth: 95.1			/ater Depth: 16.28	feet using	
(from top of well	casing) (mea	suring device)	(from top of w		(measuring device)
Historical Well Depth		Protective Cas	· · ——	feet Protect. Ca	•
•	m ground surface)		(for above-ground sur	face) Casing D	ifference: feet
Floating Product Thic	ckness:	feet using		(managed as design)	
			,	(measuring device)	
Well Condition:	.				
-	econtamination Procedu				
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth:	<u>na</u> ppm
PURGING PROCED	URES	144			
Height of Water	.041 gal/ft (1	•			
Column feet	.09 gal/ft (1.5				
	X .16 gal/ft (2 ir		3 casing v	volumes = 38.6	gallons to purge
	.65 gal/ft (4 ir	n) 12.9			
78.82	2.6 gal/ft (8 in)			
	 ·				
Purge Method:	Grundfos & Disposab	ie baller			
					
Purge Vol. (gal)		13.00	26.00	39.00	. 44.00
Time (Min.)		13:31	13:37	13:44	14:10
Temperature (C°)		14.10	15.50	15.40	15.00
pH (Units)		7.45	7.21	7.34	7.43
Conductivity at 25°C	(mS/cm)	1523.00	1454.00	1441.00	1538.00
ORP (mV)		na	na	na	na
Turb (NTU)		na	na	na	na
DO (%)		na	na	na	na
Total Volume Purgeo	i	44.00	gallons		
Water Appearance (d	locatina color elatitu adar.\	clear, no o	_		
vvater Appearance (c	escribe color, clarity odor.)	Clear, no o	401	·	
SAMPLING PROCE	DUDES				
Sampling Proc	The control of the co	ailer			
Cumpung 1 100	oddie. Biopoddbio b				
Sample Water	Appearance (color, clari	ty, odor):	rusty, no odor		
ANALYTICAL PARA	AMETERS			200	
Caracilla de la Caracilla de l		No. of Bottles		Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
				1	
				1	
				1	
				1	
	FIG. 10				
OTHER OBSERVAT		lama Diant-l-			
Grundtos pum bailer used for	p @ 2.22 gpm for 39 gal	ions. Disposable	NAME (Print)	Megan McMeans	
שמובו שפכע וטו	idot o gallons.		SIGNATURE:		
			J. J. W. I. J. L.		

- (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.: 11 10 Sample Date: 03-Nov-10

Sample Time: 12:15

SITE/SAMPLE LOCA	TION				
Site Name:	A CONTRACTOR OF THE CONTRACTOR	Honeywell South Bend		Project No.:	3310102011
Personnel Present:	MLM - Peerless M				
Activity Start: 1	1:30		Activity End:	-	
·	overcast,				
Well Type and Location	n: Monitoring	y well			
WATER LEVEL/WELL	DATA		100		
Well Depth: 96.90		W	ater Depth: 22.06	feet using	
(from top of well ca	sing) (r	neasuring device)	(from top of v	well casing)	(measuring device)
Historical Well Depth: (from	ground surface)	Protective Casi	ng Stickup: (for above-ground su	feet Protect. Ca rface) Casing Di	
Floating Product Thick	ness:	feet using		(measuring device)	
Well Condition:	-			, ,	
Measuring Device Dec	ontamination Proce	edure: Alconox &	DI Rinse		
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCEDU	DES.	_		-	
Height of Water	.041 gal/fl	(1 in)			
Column feet	.09 gal/ft (
	X .16 gal/ft (3 casing	volumes = 36.6	gallons to purge
	.65 gal/ft (4 in) 12.2			
74.84	2.6 gal/	ft (8 in)			
Purge Method:	Grundfos & Dispo	Sable baller			
Purge Vol. (gal)		12.00	24.00	36.00	41.00
Time (Min.)		11:49	11:55	12:01	12:15
Temperature (C°)		12.50	12.40	12.60	11.40
pH (Units)		7.87	7.79	7.77	7.82
Conductivity at 25°C (r	nS/cm)	605.70	612.40	614.30	608.70
ORP (mV)	,	na	na	na	na
Turb (NTÚ)		na	na	na	na
DO (%)		na	na	na	na
Total Volume Purged		41.00	galions		
Water Appearance (des	cribe color, clarity odor:)	clear, no o			
SAMPLING PROCED		a bailer			
Sampling Proced	iure. disposabi	e Dallei			
Sample Water A	ppearance (color, c	larity, odor):	_		
ANALYTICAL PARAM	METERS		\$		
		No. of Bottles	.	Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot		Filtered? to 4°C?
<u>voc</u>	8260B	3 40 ml VOA	<u></u> .	HCL/	N Y
					<u> </u>
				<u>· ! </u>	
OTHER OBSERVATION Grundfos pump (bailer used on la	@ 2.22 gpm for 36	gallons. Disposable	NAME (Print)	Megan McMeans	
	-	s locked and the condition o	SIGNATURE:	d congrete coller	

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



Sample No.: 11 10 D4 Sample Date: 02-Nov-10

•			
ample	Time:	12:50	

SITE/SAMPLE LOC	ATION			<u>-</u>	
Site Name:		Honeywell South Bend		Project No.: _	3310102011
Personnel Present:	MLM - Peerless	Midwest			
Activity Start:	-		Activity End:		
	ol, sunny,				
Well Type and Loca	tion: Monitori	ng well			
WATER LEVEL/WE	LL DATA				
Well Depth: 118.			ater Depth: 20.83	feet using	
(from top of well		(measuring device)	(from top of well cas		(measuring device)
Historical Well Depth		et Protective Casir		Protect. Casi	•
·	m ground surface)		(for above-ground surface)	Casing Diff	ference: feet
Floating Product Thi	ckness:	feet using	/mea	suring device)	
Mall Candition			(mea.	suiling device)	
Well Condition: Measuring Device D	econtamination Pro	cedure: Alconox &	DI Pinco		
		Ambient Air: na		Well Mouth:	na ppm
		AIIIbieIII Aii. IIa	ppm		na ppm
PURGING PROCEL		(ft /1 in)			
Height of Water Column feet	.041 gal/fi	• •	•		
Oolumn reet	.16 gal/fi		3 casing volum	es = 191.5 g	allons to nurge
	X .65 gal/fi			9	anone to pargo
07 77					
97.77		l/ft (8 in)			
Purge Method:	Grundfos & Disp	osable bailer			
Purge Vol. (gal)		64.00	/ 128.00	187.00	192.00
Time (Min.)		11:43	12:12	12:39	12:50
Temperature (C°)		14.20	14.40	14.80	14.40
pH (Units)		8.48	7.67	7.63	7.71
Conductivity at 25°C	(mS/cm)	655.30	1057.00	1068.00	1059.00
ORP (mV)		na	na	na	na
Turb (NTU)		na	<u>na</u>	na	na
DO (%)		na	na	na	na
Total Volume Purge	d	193.00	gallons		
Water Appearance			-		
water Appearance (describe color, clarity buor.,				
SAMPLING PROCE	:DUPES				
Sampling Proc	and the second s	ble bailer			
Sample Water	Appearance (color,	clarity, odor):	-		
ANALYTICAL PAR	AMETERS				
***************************************	A-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	No. of Bottles	Pres	servative/	Field Cool
Analysis	Method	Volume, Type			iltered? to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/	N Y
					
OTHER OBSERVA					
			NAME (Print) Mega	n McMeans	···
gallons. Dispo	osable bailer used or		SICNATURE:		
			SIGNATURE:		

- Described whether well was locked and the condition of the protective casing and concrete collar.
 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					
	eywell South Bend	arrogloskop, gropopo, gropopolokoroski o sprijaciakiskich	Project No.	· 3310	102011
Personnel Present: MLM - Peerless Midwe		· · · · · · · · · · · · · · · · · · ·			7102011
Activity Start: 7:45		Activity End	l: -		
Weather: cold, clear,					
Well Type and Location: Monitoring wel					
WATER LEVEL/WELL DATA					
Well Depth: 186.80 feet using	٧	Vater Depth: 14.8	7 feet using]	2000 W. 10 - 10 - 10 SHANDON STORES CONTRACTOR STORES STORES STORES STORES STORES STORES STORES STORES STORES
(from top of well casing) (measu	uring device)	(from top o	f well casing)	(meas	suring device)
Historical Well Depth: feet	Protective Cas	sing Stickup:	feet Protect. C	asing Well	
(from ground surface)		(for above-ground s	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 ii	-				
.16 gal/ft (2 in) X .65 gal/ft (4 in)		3 casing	g volumes =336.7	gallons to p	ourge
	112.2				
171.93 2.6_ gal/ft (8	in)				
Purge Method: Grundfos and Disposal	ole bailer		•		
Purge Vol. (gal)	111.00	222.00	333.00		338.00
Time (Min.)	9:02	9:52	10:42		10:55
Temperature (C°)	13.70	14.00	13.70		13.80
pH (Units)	7.84	7.85	7.90	-	7.87
Conductivity at 25°C (mS/cm)	456.50	480.50	486.50		484.30
ORP (mV)	na	na	na na	<u> </u>	na
Turb (NTU)	na	na na	na na		na
DO (%)	na	na na	na na		na
	338 0	n gallons		-	
Total Volume Purged		0 gallons			
Water Appearance (describe color, clarity odor:)	clear, no c	odor			
				mayorumana ara aran	
SAMPLING PROCEDURES	1.				
Sampling Procedure: Disposable ba	ler .				
Sample Water Appearance (color, clarity	. odor):	-			
ANALYTICAL PARAMETERS				(150 kst-265)	Narasya: Sadabaka
The same the same and the same of the same and the same a	o. of Bottles		Preservative/	Field	Cool
	olume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N	Y
			1		
				-	
OTHER OBSERVATIONS					
Grundfos pump @ 2.22 gpm to purge 33	3 gallons.	NAME (Print)	Megan McMeans		
Disposable bailer used to purge last 5 ga		, ,			
		SIGNATURE:	-d		
Notes: (1) Described whether well was lock (2) Describe sequence of purging/se					



Sample No.: D7 11 10 Sample Date: 02-Nov-10

Sample Time: 14:55

		M. 1980 AC 40,000 (1980) (1980) (1980) (1980) (1980)		-	ALLER ALTER AND
SITE/SAMPLE LOC	orie. Tampa a imperiori di addresia di administra			Desir of New	2240402044
Site Name:	MLM - Peerless M	Honeywell South Bend		_ Project No.: _	3310102011
Personnel Present:		uwesi	Activity End:		
Activity Start: co	13:30 ool, sunny,		Activity End		
Well Type and Loca		ell			
	LL DATA				
Well Depth: 78.			ater Depth: 12.74	feet using	
(from top of well		neasuring device)	(from top of well		(measuring device)
Historical Well Dept		Protective Casir	ng Stickup: feet	Protect. Cas	ing Well
•	om ground surface)	1 Totaliva Cali	(for above-ground surface		•
Floating Product Th	ickness:	feet using		·	
			(me	easuring device)	
Well Condition:	-				
Measuring Device D	econtamination Proce	dure: Alconox &	DI Rinse		
PI Meter ID: na	1	Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCEI	DURES				
Height of Water	.041 gal/ft	(1 in)			Sacration and the sacratic section of the sacratic section of
Column feet	.09 gal/ft (1.5 in)			
	.16 gal/ft (2 in) X	3 casing volu	mes = 128.6 g	allons to purge
	X .65 gal/ft (4 in) 42.9			
65.66	2.6 gal/f	t (8 in)			
Purge Method:	Grundfos and disp				
ruige Metriou.	Grundios and disp	USADIE DAIIEI			
Divini Val. (nal)		43.00	86.00	129.00	134.00
Purge Vol. (gal)		14:02	14:22	14:42	14:55
Time (Min.)		15.20	15.30	15.30	15.50
Temperature (C°)		8.04	7.87	7.83	7.89
pH (Units) Conductivity at 25°C	(mC(om)	633.20	642.50	645.80	649.30
ORP (mV)	(IIIO/GIII)	na	na	na	na na
, ,		na	na	na	na
Turb (NTU)		na	na	na	na
DO (%)				114	- IIa
Total Volume Purge	:d	134.00	gallons		
Water Appearance	(describe color, clarity odor:)		···		
				The second secon	
SAMPLING PROCI	maintenance and the second	- t11			
Sampling Prod	cedure: disposable	e baller			<u></u>
Sample Water	r Appearance (color, c	larity, odor):	-		
ANALYTICAL PAR					
	oliciae de la companya del companya del companya de la companya de	No. of Bottles	P	reservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume F	Filtered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
OTHER OBSERVA	TIONS				-
	np @ 2.2 gpm for 129	gallons. Disposable	NAME (Print) Me	gan McMeans	
	r last 5 gallons.				
Notes: (1) De	apprihad whathar wall ···-		SIGNATURE: f the protective casing and cor	ocrete collar	
			rue mueuwe Gasino ano Col	NUCLES GOUGE.	

Described whether well was locked and the condition of the protective casing and concrete colla Describe sequence of purging/sampling including equipment type and decontamination method.



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

SITE/SAMPLE LOC	ATION			_	
Site Name:		Honeywell South Bend		Project No.:	3310102011
Personnel Present:	MLM - Peerless	Midwest			
Activity Start:	15:15		Activity End:	-	
	ol, sunny,	ring well			
Well Type and Locat					
WATER LEVEL/WE				F 1	
Well Depth: 61.9		(measuring device)	ater Depth: 15.95 (from top of well care)	feet using	(measuring device)
• • • • • • • • • • • • • • • • • • • •			• •	Protect. Casir	
Historical Well Depth	n:re m ground surface)	eet Protective Casi	(for above-ground surface)		•
Floating Product This		feet using	(odomig ome	
Troubing Froduct Time			(me	asuring device)	
Well Condition:	-				
Measuring Device De	econtamination Pro	ocedure: Alconox &	DI Rinse		
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCED	URES				
Height of Water	.041 ga	ıl/ft (1 in)	2000 C C C C C C C C C C C C C C C C C C		
Column feet	.09 gal/	ft (1.5 in)			
		ft (2 in) X	3 casing volur	nes = <u>90.0</u> ga	llons to purge
	X .65 gal/	ft (4 in) 30.0			
45.95	<u>2.6</u> g	al/ft(8 in)			
Purge Method:	Grundfos and d	isposable bailer			
J					
Purge Vol. (gal)		5 (11/2/10)	10 (11/2/10)	na	5 (11/3/10)
Time (Min.)		15:20	15:23	na	12:50
Temperature (C°)		15.90	16.30	na	14.50
pH (Units)		8.55	8.58	na	7.61
Conductivity at 25°C	(mS/cm)	713.30	713.90	na	1189.00
ORP (mV)		na	na	na	na
Turb (NTU)		na	na	na	na
DO (%)		na	na	na	na
Total Volume Purgeo	1	30.00	gallons		
_			•		
Water Appearance (d	lescribe color, clarity odo	n) biackish gr	ay to rusty brown, no odor		
CAMPUNC PROCE	DURES				
SAMPLING PROCE Sampling Proc	and the second s	able bailer			
Sample Water	Appearance (colo	r, clarity, odor):	-		
ANALYTICAL PARA	AMETERS				77
	grafia di sala	No. of Bottles	Pre	eservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot		Itered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
					
OTHER OBSERVAT					
		tart. Pump dry after 25 posable bailer on 11/3/10	NAME (Print) Meg	an McMeans	
gallons. Purge		hosanie naliei (ili i i/s/10	SIGNATURE:		
Motor: (1) Do	caribad whathar wall	was looked and the condition of	of the protective casing and con-	crete collar	

- Describe sequence of purging/sampling including equipment type and decontamination method.



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

A STATE OF THE STA		allowers with the artists of the second	Service Control of the Control of th	Contract the section of the section
SITE/SAMPLE LOCATION				
	well South Bend		Project No.:	3310102011
Personnel Present: MLM - Peerless Midwest				
Activity Start: 8:20		Activity End:	<u> </u>	
Weather: cold, clear,			<u> </u>	
Well Type and Location: -				
WATER LEVEL/WELL DATA				
Well Depth: 147.10 feet using		ter Depth:20.83	feet using	
(from top of well casing) (measuring	ng device)	(from top of v	vell casing)	(measuring device)
Historical Well Depth:feet	Protective Casing	g Stickup:	feet Protect. Ca	_
(from ground surface)		(for above-ground su	rface) Casing D	Difference: feet
Floating Product Thickness:	feet using			
			(measuring device)	
Well Condition: -				
Measuring Device Decontamination Procedure:	Alconox & L	Ol Rinse		
PI Meter ID: na A	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. <i>4</i>		`	
126.27 2.6 gal/ft (8 in	`			
Purge Method: Grundfos & disposable b	ailer			
Purge Vol. (gal)	82.00	164.00	246.00	251.00
Time (Min.)	9:24	10:01	10:38	10:45
Temperature (C°)	11.60	11.90	12.00	12.10
pH (Units)	7.32	7.64	7.57	7.63
Conductivity at 25°C (mS/cm)	1161.00	1147.00	1159.00	1151.00
ORP (mV)	na	na	na	na
Turb (NTU)	na	na	na	na
DO (%)	na	na	na	na
Total Volume Purged	251.00 g	allons		
Water Appearance (describe color, clarity odor:)		ht sulfur odor		
vater Appearance (describe color, dainy odor.)	Grayisti, sligi	nt sullui odol		
SAMPLING PROCEDURES				A 1 - A 2 - S 2 -
Sampling Procedure: disposable bailer	•			
Camping Freedance.				
Sample Water Appearance (color, clarity, o	odor): g	rayish		
ANALYTICAL PARAMETERS				
	of Bottles		Preservative/	Field Cool
Analysis Method Volu	ume, Type	Bottle Lot	Volume	Filtered? to 4°C?
VOC 8260B 3	40 ml VOA		HCL/	N Y
			1	
			1	
			1	
OTHER OBSERVATIONS				
MW-100 = Duplicate Sample. Grundfos pu	imn @ 2 22 anm .	IAME (Drint)	Magan MaMagan	
for 246 gallons. Disposable bailer used for	last 5 gallons.	MAIVIE (FIIIIL)	Megan McMeans	
•	-	SIGNATURE:		

- (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.: Sample Date: 04-Nov-10

Sample Time: 16:25

SITE/SAMPLE LOCA	TION					
Site Name:		oneywell South Bend		Project No.	:3310	102011
Personnel Present:	JPS/BMW					
·	14:30		Activity End:	16:30		
Weather: clou Well Type and Location	idy,30's	ount in front of Bosch	along Rendiy			
			along Dendix			
WATER LEVEL/WEL	College of the Colleg	· · · · · · · · · · · · · · · · · · ·	Vater Depth: 15.56	foot uning	-	
Well Depth: 188.30	_	easuring device)	(from top of	feet using well casing)		uring device)
Historical Well Depth:		Protective Cas	• •		asing Well	
•	n ground surface)	1 Totective Gas	(for above-ground su		Difference:	feet
Floating Product Thick	kness:	feet using			_	
J				(measuring device)		
Well Condition:	good					
Measuring Device De	contamination Proced	ure: Alconox 8	& DI Rinse			
PI Meter ID: na_		Ambient Air: na	ppm	Well Mouth	: <u>na</u>	ppm
PURGING PROCEDU	JRES					
Height of Water	.041 gal/ft (
Column feet	X .09 gal/ft (1	•				
	.16 gal/ft (2		3 casing	volumes =47.6	gallons to p	urge
	.65 gal/ft (4	in) <i>15.9</i>				
172.74	2.6_gal/ft	(8 in)				
Purge Method:	Air lift/peristaltic					
					•	
Purge Vol. (gal)		11.66	23.32	34.98		46.64
Time (Min.)		15:38	15:51	16:04		16:18
Temperature (C°)		12.05	10.94	11.06		10.85
pH (Units)		6.77	6.95	7.01		7.04
Conductivity at 25°C ((mS/cm)	1.08	1.04	1.04		1.04
ORP (mV)		262.00	150.00	42.00		-7.00
Turb (NTU)		61.93	90.36	36.95		31.77
DO (%)		4.63	0.93	0.93		0.97
Total Volume Purged		48.00	gallons			
Water Appearance (de	escribe color clarity odor.)	cloudy/ora	nge			
vvater Appearance (de	some color, clarity odor.y	Cloudyford	nge			
SAMPLING PROCED	OURES		7 (N. 18 (N.			
Sampling Proce	and the second of the second o		San			and the second
	·					
Sample Water A	Appearance (color, cla	rity, odor):	clear, no odor			
ANALYTICAL PARA	METERS	177				
		No. of Bottles		Preservative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/	N .	Υ
					-	
						
						
OTHER OBSERVATI		Itio intoleo lecatod	ALABATE (TS. C. C.	D 114" :		
•	licate Sample. Perista i0' below air lift injectio		NAME (Print)	Brent Wheat		
		er professional	SIGNATURE:			
Motor: (1) Dog	orihad whather well was	locked and the condition	of the protective casing an	d concrete collar		

Described whether well was locked and the condition of the protective casing and concrete collar 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 LOCA	TION			SAN PERSON			
Site Name:	F	loneywell South Bend	i i		Project No.:	3310 ⁻	102011
Personnel Present:	MLM - Peerless Mid	west	-		_		
Activity Start:	-	-	Ac	tivity End: -	,		
Weather: cold,	raining,						
Well Type and Locatio	n: 2" flushmou	ınt near Carbon Brak	е				
WATER LEVEL/WELL	L DATA						
Well Depth: 15.40	feet using	1	Water Depth:	11.62	feet using		
(from top of well ca		easuring device)	<u>(</u> f	rom top of well cas	sing)	(measi	uring device)
Historical Well Depth:	ground surface)	Protective Ca	sing Stickup:	feet e-ground surface)	Protect. Cas Casing Di	·	feet
Floating Product Thick	-	feet using	(,0, 0,0)	ground carrace,	Odding Di		
r loading r roddoc rriion				(mea:	suring device)		
Well Condition:	_						
Measuring Device Dec	contamination Proced	ure: Alconox	& DI Rinse				
PI Meter ID: <u>na</u>		Ambient Air: na		pm	Well Mouth:	na	ppm
PURGING PROCEDU	IRES						
Height of Water	.041 gal/ft (•		
Column feet	.09 gal/ft (1		_		3.2		
	X .16 gal/ft (2	,	3	casing volum	es = <u>1.9</u> (gallons to p	urge
	.65 gal/ft (4	in) 0.6					
<i>3.78</i> .	2.6_gal/ft	(8 in)					
Purge Method:	peristaltic						
· ange mearer							
Purge Vol. (gal)		0.60		1.20	1.80	····	na
Time (Min.)		12:53		12:57	13:01		na
Temperature (C°)		12.10		12.20	12.40		na
pH (Units)	4	7.52		7.38	7.37		na
Conductivity at 25°C (r	m@/om)	1131.00		1128.00	1125.00		na na
	110/011)		<u> </u>		na		na na
ORP (mV)		na		na			
Turb (NTU)		na	_	na	na		na
DO (%)		na		na	na		na na
Total Volume Purged		1.8	<u>gallons</u>				
Water Appearance (des	scribe color, clarity odor:)	clear, no	odor				
CAMPUNO PROCED	UDEC		Names and Constitution				
SAMPLING PROCED Sampling Proced	a communication and a second s						
						·	
•	ppearance (color, cla	rity, odor):	clear, no odo	or 			va (1837 s 2011 s 2000 s 2001 s
ANALYTICAL PARAI	NETERS	No. of Bottles		Prod	servative/	Field	Cool
Analysis	Method	Volume, Type	Bottle Lo			Filtered?	to 4°C?
VOC	8260B	3 40 ml VOA	20,0 20		HCL/	N	Υ
<u></u>	02000	0 40 1111 0074	•··		<u> </u>		
				 			
							·
					'		
OTHER OBSERVATION	ons						
-			NAME (Print) Mega	n McMeans		
			SIGNATURE	: .			
Notes: (1) Desc	ribed whether well was	locked and the condition			ete collar.		

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



Sample No.: Sample Date: 04-Nov-10

Sample Time: 14:01

SITE/SAMPLE LOCA					
Site Name:		oneywell South Ben	<u>d</u>	Project No.:	3310102011
Personnel Present:	MLM - Peerless Mid	west			
Activity Start:	-		Activity End	d:	
Weather: cold Well Type and Locatio	, raining, n: Monitoring v	voll			.
		Annual with International Princips was not become			
WATER LEVELWEL	indute at the second of the se		Meter Depthy 15.7	E footusine	
Well Depth: 21.00		asuring device)	Water Depth: 15.7	5 feet using of well casing)	(measuring device)
• •			•	- -	, ,
Historical Well Depth:	feet ground surface)	Protective Ca	asing Stickup: (for above-ground)	feet Protect. Ca surface) Casing F	asing vveii Difference: feet
Floating Product Thick	,	feet using		Juding 2	
r loading r roador rinos				(measuring device)	
Well Condition:	-				
Measuring Device Dec	contamination Proced	ure: Alconox	& DI Rinse		
Pl Meter ID: na		Ambient Air: na	ppm	Well Mouth:	na ppm
PURGING PROCEDU	IRES				
Height of Water	.041 gal/ft (1	l in)			
Column feet	.09 gal/ft (1.	5 in)			
	X .16 gal/ft (2		. <u>3</u> casin	g volumes = 2.6	gallons to purge
	.65 gal/ft (4	in) 0.9			
5.25	2.6 gal/ft	(8 in)			
Purge Method:	Peristaltic				
rurge Metriod.	T Cristalic				
Purge Vol. (gal)		0.90	1.80	2.70	na
Time (Min.)	v.	13:51	13:56	14:01	na
Temperature (C°)		16.10	16.30	16.40	na
pH (Units)		7.47	7.57	7.51	na
Conductivity at 25°C (mS/cm)	1514.00	1533.00	1544.00	na
ORP (mV)		na	na	na	na
Turb (NTU)		na	na	na	na
DO (%)		na	na	na	na
Total Volume Purged		2.7	70 gallons		
Water Appearance (des	scribe color, clarity odor:)	clear, no	odor		
SAMPLING PROCED	URES				
Sampling Proced	dure: Peristaltic				
Sample Water A	ppearance (color, cla	rity, odor):	clear, no odor		
ANALYTICAL PARAI	METERS	<u> </u>			
Estant and insciolar and their and a stall hidrall saferance		No. of Bottles	a de la companya de	Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/	N Y
				1 .	
OTHER OBSERVATION	ONS	·····	<u> </u>		
-			NAME (Print)	Megan McMeans	
Notes (d) D			SIGNATURE:	and concrete collar	

- 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:		well South Bend		Project No.	:3310	102011
Personnel Present: MLM - P	eerless Midwest					
Activity Start:			Activity En	d:		
Weather: cold, raining,						
Well Type and Location:	Monitoring well					
WATER LEVEL/WELL DATA						
Well Depth: 20.80 feet u			Vater Depth:16			
(from top of well casing)	(measurir	ng device)	(from top	of well casing)	(meas	uring device)
Historical Well Depth: (from ground sur	feet rface)	Protective Cas	ing Stickup:(for above-ground		asing Well Difference:	feet
Floating Product Thickness:		feet using			_	
· ·				(measuring device)		
Well Condition:	<u>-</u>					
Measuring Device Decontamina	tion Procedure:	Alconox &	& DI Rinse			
Pl Meter ID: na	A	mbient Air: na	ppm	Well Mouth	: na	ppm
PURGING PROCEDURES						2.5
	.041 gal/ft (1 in)	d			\$66.6262433333455554	
•	.09 gal/ft (1.5 in)					
X.	.16 gal/ft (2 in)	Х	3 casir	ng volumes = 2.2	gallons to p	ourge
	.65 gal/ft (4 in)	0.7				
4.5	2.6 gal/ft (8 in)	\				
-		,				
Purge Method: Peristalti	ic					
Purge Vol. (gal)		0.75	1.50	2.25		na
Time (Min.)		11:46	11:50	11:55		na
Temperature (C°)		13.90	14.30	14.30		na
pH (Units)		7.07	7.02	7.01		na
Conductivity at 25°C (mS/cm)		1615.00	1541.00	1527.00		na
ORP (mV)		na	na	na na	_	na
Turb (NTU)		na	na	na		na
DO (%)		na	na na	na		na
Total Volume Purged		2.25	gallons	<u> </u>	-	
•			gailoris			
Water Appearance (describe color, o	clarity odor:)	clear, no c	odor			
	·					
SAMPLING PROCEDURES						
Sampling Procedure:	Peristaltic		<u></u>			
Sample Water Appearance	e (color clarity o	idor):	clear, no odor			
	e (eolor, elamy, e		Melloss Glover Storman and Greek Ja		RECTION OF SERVICES	
ANALYTICAL PARAMETERS	Na	of Bottles	a Statuto and Maria and American	Preservative/	Field	Cool
Analysis Metho		ıme, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC 8260B		40 ml VOA		HCL/	N	Υ
<u> </u>		40 1111 7 07 1		1		
						
				<u>-</u>	•	
				<u> </u>		
OTHER OBSERVATIONS						
-			NAMÉ (Print)	Megan McMeans		
	•		SIGNATURE:			
Notes: (1) Described wheti	her well was locked	and the condition	of the protective casing	and concrete collar.		
			ipment type and deconta			



 MW-7
 11 10

 Sample Date:
 01-Nov-10

 Sample Time:
 17:53

Sample Time: SITE/SAMPLE LOCATION Site Name: Honeywell South Bend Project No.: 3310102011 JPS/BMW Personnel Present: Activity Start: 17:00 Activity End: 18:15 Indoors.0 Weather: 2" flushmount in Plant 1 Well Type and Location: WATER LEVEL/WELL DATA Water Depth: feet using 15.23 Well Depth: 22.80 feet using (from top of well casing) (measuring device) (from top of well casing) (measuring device) Protective Casing Stickup: Protect. Casing Well Historical Well Depth: feet feet (for above-ground surface) (from ground surface) Casing Difference: Floating Product Thickness: feet using (measuring device) Well Condition: good Measuring Device Decontamination Procedure: Alconox & DI Rinse PI Meter ID: Ambient Air: na ppm Well Mouth: ppm PURGING PROCEDURES Height of Water .041 gal/ft (1 in) Column .09 gal/ft (1.5 in) feet .16 gal/ft (2 in) 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) 0.91 1.82 2.73 3.62 17:30 17:44 17:51 Time (Min.) 17:46 Temperature (C°) 14.80 14.82 14.83 14.82 pH (Units) 6.66 6.78 6.79 6.81 Conductivity at 25°C (mS/cm) 0.95 0.95 0.95 0.95 ORP (mV) 38.00 -29.00 -34.00 -39.00 Turb (NTU) 723.10 27.52 147.00 292.40 -0.04 -0.04 DO (%) 0.07 -0.03 4.00 gallons Total Volume Purged Water Appearance (describe color, clarity odor:) slightly cloudy, no odor SAMPLING PROCEDURES Sampling Procedure: peristaltic Sample Water Appearance (color, clarity, odor): clear, no odor ANALYTICAL PARAMETERS No. of Bottles Preservative/ Field Cool to 4°C? Analysis Method **Bottle Lot** Volume Filtered? Volume, Type HCL/ VOC 8260B 3 40 ml VOA OTHER OBSERVATIONS NAME (Print) **Brent Wheat** SIGNATURE:

- 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 14:33 Sample Time:

SITE/SAMPLE LOCATION		40.00					
	Нороза	vell South Bend			Project No.:	22101	02011
Site Name:	Peerless Midwest	veli South Benu			Froject No	33101	02011
Activity Start: -	CONTROL MILATOR		Activit	y End: -	·		
Weather: cold, raining,;				,			
	2" flushmount in p	arking lot					
WATER LEVEL/WELL DATA							
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	using	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Vater Depth:	14.6	feet using		
(from top of well casing)	(measurin			top of well casing)		(measu	ring device)
Historical Well Depth:	feet	Protective Cas	sing Stickup:	feet	Protect. Cas	ing Well	
(from ground su	ırface)		· · · · · · · · · · · · · · · · · · ·	ound surface)	Casing Dif	ference:	feet
Floating Product Thickness:		feet using					
				(measurin	g device)		
Well Condition:	-						
Measuring Device Decontamina	ition Procedure:	Alconox e	& DI Rinse				
Pl Meter ID: na	Aı	mbient Air: <u>na</u>	ppm		Well Mouth: _	na	ppm
PURGING PROCEDURES		1000					
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 =	= <u>2.5</u> g	allons to p	urge
	.65 gal/ft (4 in)	0.8					
5.2	2.6 gal/ft (8 in)						
Purge Method: peristalti	ic						
							,
Purge Vol. (gal)		0.90	1	.80	2.70		na
Time (Min.)	-	14:23		1:28	14:33		na
Temperature (C°)	-	16.80		7.20 7.20	17.30		na na
pH (Units)		7.33	-	.25	7.22		na
Conductivity at 25°C (mS/cm)	-	1389.00		36.00	1325.00		na na
ORP (mV)	-	na		na	na		na
Turb (NTU)	-	na		na	na	-	na
DO (%)	-	na		na	na		na na
	-						
Total Volume Purged	-	2.70	gallons				
Water Appearance (describe color, o	clarity odor:)	clear, no c	odor				
SAMPLING PROCEDURES			To Several Control	XXX			
Sampling Procedure:	peristaltic						
Sample Water Appearance	e (color clarity of	dor):	clear, no odor				
	Color, Garity, O		5,041, 110 0401				
ANALYTICAL PARAMETERS	No	of Bottles		Preserv	ative/	Field	Cool
Analysis Meth		me, Type	Bottle Lot	Volur		Filtered?	to 4°C?
VOC 8260B		40 mi VOA	201110 201	HCI		N	Y
<u> </u>				1.0.			
	···						
OTHER OBSERVATIONS							
MW-103 = Duplicate Sam	nie		NAME (Brint)	Bront Mh	est		
Mir 100 - Duplicate Galli	,p.0		NAME (Print)	Brent Wh	cal		
			SIGNATURE:				

- (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					i i i
Site Name: Hon	eywell South Bend		Project No.:	3310	102011
Personnel Present: MLM - Peerless Midwe	est				
Activity Start: 12:13		Activity End:	-	_ 	
Weather: cold, raining,					
Well Type and Location: 2" flushmount	near carbon brake				
WATER LEVEL/WELL DATA	AND THE RESERVE OF THE PARTY OF				
Well Depth: 21.70 feet using		ater Depth: 16.87	feet using		.ddd
, , ,	uring device)	(from top of v	<u>.</u>	`	uring device)
Historical Well Depth: feet	Protective Casi	· <u> </u>	feet Protect. Ca	~	feet
(from ground surface)	f4i	(for above-ground su	riace) Casing L	Difference:	
Floating Product Thickness:	feet using		(measuring device)		
Well Condition:			(caraag actics)		
Measuring Device Decontamination Procedure	e: Alconox &	Di Rinse			
PI Meter ID: na	Ambient Air: na	ppm	Well Mouth:	: na	ppm
		PPIII	vven wodan.	- πω	PP///
PURGING PROCEDURES Height of Water .041 gal/ft (1 in	a)				
Column feet .09 gal/ft (1.5 i					
X .16 gal/ft (2 in)		3 casing	volumes = 2.4	gallons to p	urae
.65 gal/ft (4 in)				_9	g-
4.83 <u>2.6</u> gal/ft(8	· in)				
Purge Method: peristaltic					
Purge Vol. (gal)	0.80	1.60	2.40		na
Time (Min.)	12:22	12:27	12:32		na
Temperature (C°)	13.20	13.50	13.50		na
pH (Units)	7.29	7.31	7.25	_	na -
Conductivity at 25°C (mS/cm)	1881.00	1588.00	1513.00		na
ORP (mV)	na	na	na		na
Turb (NTU)	na	na	na		na
DO (%)	na	na	na		na
Total Volume Purged	2.40	gallons			
Water Appearance (describe color, clarity odor:)	clear, sulfur				
vater Appearance (describe color, daily odor.)	olear, sullui				
SAMPLING PROCEDURES					
Sampling Procedure: peristaltic	intination of the second of th				
pannaming viscourance pannamine	-				
Sample Water Appearance (color, clarity	y, odor):	clear, sulfur odor			
ANALYTICAL PARAMETERS					
A. L. S. C.	No. of Bottles	nerus van mente 1900-bet van de verste en 1900-bet 2000 in 1904 de 1904 de 1904 de 1904 de 1904 de 1904 de 190	Preservative/	Field	Cool
Analysis Method V	olume, Type	Bottle Lot	Volume	Filtered?	to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N	Υ
					
	 ,				
OTHER OBSERVATIONS					
MW-102 = Duplicate sample		NAME (Print)	Megan McMeans		
		SIGNATURE:			
Notes: (1) Described whether well was loc.	ked and the condition o	SIGNATURE:	d concrete collar		
(2) Describe sequence of purging/s	sampling including equi	oment type and decontam	ination method.		



Sample No.: MW-12 11 10 Sample Date: 04-Nov-10 Sample Time: 13:24

SITE/SAMPLE LOCATION			-	
Excelled Control and Excellent to the Control	ywell South Bend		Project No.:	3310102011
Personnel Present: MLM - Peerless Midwes				
Activity Start: -		Activity End:	-	
Weather: cold, raining,				
Well Type and Location: 2" flushmount r	ear Carbon Brake			
WATER LEVEL/WELL DATA				
Well Depth: 13.80 feet using		ater Depth: 10.37	feet using	
(from top of well casing) (measu	ring device)	(from top of well ca	sing)	(measuring device)
Historical Well Depth:feet	Protective Casi	ng Stickup:feet	Protect. Cas	•
(from ground surface)		(for above-ground surface)	Casing Di	fference: feet
Floating Product Thickness:	feet using			
		(mea	suring device)	
Well Condition:				
Measuring Device Decontamination Procedure			344 11 84 41	
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		2	47	nallana ta mumna
X .16 gal/ft (2 in) .65 gal/ft (4 in)	0.6	3 casing volun	nes =1.7 (gallons to purge
3.43 2.6 gal/ft(8 i	n)			
Purge Method: peristaltic				
Purge Vol. (gal)	0.60	1.20	1.80	na
Time (Min.)	13:16	13:20	13:24	na
Temperature (C°)	13.90	14.10	14.20	na
pH (Units)	7.55	7.45	7.37	na
Conductivity at 25°C (mS/cm)	1174.00	1170.00	1165.00	na
ORP (mV)	na	na	na	na
Turb (NTU)	na	na	na	na
DO (%)	na	na	na	na
Total Volume Purged	1.80	gallons		
Water Appearance (describe color, clarity odor.)	clear, no oc	301		
SAMPLING DROCEDURES	7.000 (W. V.) (W. V.)			
SAMPLING PROCEDURES Sampling Procedure: peristaltic				
Camping Procedure. Policialic				
Sample Water Appearance (color, clarity,	odor):	clear, no odor		
ANALYTICAL PARAMETERS	1180			
	o. of Bottles	Pre	servative/	Field Cool
Analysis Method Vo	lume, Type	Bottle Lot	/olume	Filtered? to 4°C?
VOC 8260B	3 40 ml VOA		HCL/	N Y
		<u></u>		
				· · · · · · · · · · · · · · · · · · ·
				
OTHER OBSERVATIONS			<u>-</u>	
-		NAME (Print) Mega	n McMeans	
		OLONIATI IDE:		
		SIGNATURE:		

- Notes:
- Described whether well was locked and the condition of the protective casing and concrete collar.
 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 LOCA	TION			•	
Site Name:		neywell South Bend	_	Project No.	: 3310102011
Personnel Present:	JPS/BMW				
Activity Start: 1	8:40		Activity End:	19:15	
Weather: ,30's					
Well Type and Locatio	n: 2" flushmount	in front of Gate 9			
WATER LEVEL/WELL	DATA				
Well Depth: 18.80			Water Depth: 15.05	· · · · · · · · · · · · · · · · · · ·	
(from top of well ca	sing) (meas	suring device)	(from top of	well casing)	(measuring device)
Historical Well Depth:	feet	Protective Ca			asing Well
•	ground surface)		(for above-ground se	urface) Casing	Difference:feet
Floating Product Thick	ness:	feet using		(measuring device)	·
\A/- U O				(measuring device)	
Well Condition:	good	A (a a may	& DI Rinse		
Measuring Device Dec	ontamination Procedur	Ambient Air: na		Well Mouth	
Pl Meter ID: na		Ambient Alt. na	ppm	vveii iviouti i	: na ppm
PURGING PROCEDU					
Height of Water	.041 gal/ft (1 i				
Column feet	<u>├</u>	•	2 202104	volumos = 15	P gallone to purgo
	X .16 gal/ft (2 in .65 gal/ft (4 in		3 casing	volumes = 1.8	5 gailous to purge
<i>3.75</i>	2.6_gal/ft(8	3 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 (r	mS/cm)	0.78	0.78	0.77	0.77
ORP (mV)	,	-51.00	-44.00	-41.00	-38.00
Turb (NTU)		1751.00		1417.00	
DO (%)		0.26	0.20	0.18	0.17
					- ,
Total Volume Purged			0 gallons		•
Water Appearance (des	cribe color, clarity odor:)	slightly cl	oudy		
SAMPLING PROCED	was a state of the second				
Sampling Proced	lure: peristaltic				
Sample Water A	ppearance (color, clarit	v odor).	clear, no odor		.
ANALYTICAL PARAI	· ·				Lenguar personal de la company
ANALTICAL PARAI	Make and a first transfer out and a continue away of page [1]	No. of Bottles		Preservative/	Field Cool
Analysis		Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
					
					
				1	,
OTUED OPERATOR	ONE				
OTHER OBSERVATIO	UNO		NIAME (Drint)	Brent Wheat	
-			NAME (Print)	DIGIT VALIGAT	
	•		SIGNATURE:		
Notes: (1) Desc	ribad whether well was lo	aked and the condition	of the protective casing an	nd concrete collar	

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 JPS/BMW Personnel Present: 10:40 Activity Start: Activity End: 11:10 Indoors, Weather: 1.5" flushmount inside Bosch Well Type and Location: WATER LEVEL/WELL DATA 14.94 Water Depth: Well Depth: 27.00 feet using feet using (measuring device) (from top of well casing) (measuring device) (from top of well casing) Protective Casing Stickup: Protect. Casing Well Historical Well Depth: feet feet (from ground surface) (for above-ground surface) Casing Difference: Floating Product Thickness: feet using (measuring device) Well Condition: Good Measuring Device Decontamination Procedure: Alconox & DI Rinse PI Meter ID: Ambient Air: na Well Mouth: ppm **PURGING PROCEDURES** .041 gal/ft (1 in) Height of Water Column .09 gal/ft (1.5 in) feet .16 gal/ft (2 in) 3.3 gallons to purge casing volumes = .65 gal/ft (4 in) 12.06 2.6 gal/ft (8 in) Purge Method: peristaltic Purge Vol. (gal) 0.82 1.64 2.46 3.83 10:53 10:58 11:03 Time (Min.) 10:48 18.94 18.93 18.93 18.93 Temperature (C°) 7.03 pH (Units) 7.01 7.02 7.03 Conductivity at 25°C (mS/cm) 2.13 2.14 2.14 2.14 81.00 -2.00 -26.00 -34.00 ORP (mV) Turb (NTU) 9.76 6.49 5.43 2.42 0.05 0.01 -0.01 0.01 DO (%) 4.00 gallons Total Volume Purged Water Appearance (describe color, clarity odor:) slightly cloudy SAMPLING PROCEDURES Sampling Procedure: Sample Water Appearance (color, clarity, odor): clear ANALYTICAL PARAMETERS Preservative/ Field Cool No. of Bottles to 4°C? **Bottle Lot** Volume Filtered? Analysis Method Volume, Type HCL/ VOC 8260B 3 40 ml VOA OTHER OBSERVATIONS NAME (Print) **Brent Wheat** SIGNATURE:

- 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.: 11 10 Sample Date: 03-Nov-10

Sample Time 10.28

				Cample III	10.20
SITE/SAMPLE LOC	ATION				
Site Name:	Н	oneywell South Bend	<u> </u>	Project N	o.: 3310102011
Personnel Present:	JPS/BMW				
Activity Start:	9:15		Activity E	nd:10:30	
	doors,				
Well Type and Locar	tion: 1.5" flushme	ount inside Bosch			
WATER LEVEL/WE	LL DATA	14 A			
Well Depth: 25.				.22 feet usi	
(from top of well	casing) (me	asuring device)	(from top	of well casing)	(measuring device)
Historical Well Depth	n:feet	Protective Ca	sing Stickup:	feet Protect.	Casing Well
(fro	om ground surface)		(for above-groun	d surface) Casing	g Difference:feet
Floating Product Thi	ckness:	feet using			
				(measuring device)	
Well Condition:	Good				
Measuring Device D	econtamination Proced		& DI Rinse		
PI Meter ID: na		Ambient Air: na	ppm	Well Mou	th: <u>na</u> ppm
PURGING PROCEL	DURES				
Height of Water	.041 gal/ft (1 in)			
Column feet	X .09 gal/ft (1.	5 in)			
	.16 gal/ft (2		3 cas	ing volumes =2	2.8 galions to purge
	.65 gal/ft (4	in) 0.9			
10.08	2.6 gal/ft	(8 in)			
Purge Method:	peristaltic				
raige Method.	pensialic				
Purge Vol. (gal)		0.68	1.36	2.04	2.72
		10:13	10:18		
Time (Min.)		19.56			
Temperature (C°)		6.84	6.88		6.90
pH (Units)	· (C/)	5.54	5.47	5.48	5.49
Conductivity at 25°C	(ms/cm)				
ORP (mV)		223.00	216.0		
Turb (NTU)		41.58	37.00		
DO (%)		0.05	0.03	0.01	0.00
Total Volume Purge	d	3.0	<u>0</u> galions		
Water Appearance	describe color, clarity odor:)	clear			
SAMPLING PROCE					
Sampling Proc	cedure: peristaltic				
Sample Water	Appearance (color, cla	rity odor):	clear		
ANALYTICAL PAR					
		No. of Bottles		Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot	Volume	Filtered? to 4°C?
VOC	8260B	3 40 ml VOA		HCL/	N Y
				1	
				1	
-	Α			1	
OTHER OPSERVA	TIONS				
OTHER OBSERVA	IIUNO		NAME (Print)	Pront Mhost	
-			NAME (Print)	Brent Wheat	
			SIGNATURE:		
Notes: (1) De	escribed whether well was i	locked and the condition		and concrete collar.	

Described whether well was locked and the condition of the protective casing and concrete collar.

Describe sequence of purging/sampling including equipment type and decontamination method.



Sample No.: Sample Date: 04-Nov-10

Sample Time 10.00

-							ample Time.	10.00	
SITE/SAMPLE LOC	ATION								
Site Name:			well South B	end			Project No.:	3310	102011
Personnel Present:	MLM - Peerles	ss Midwest	······································				·		
Activity Start:	d avancet reini	n a			Activity I	=nd:			
Weather: col Well Type and Locat	d, overcast, raini	tickup							
WATER LEVEL/WE								et an isso some inter-	
Well Depth: 26.6				Water D	enth:	20.2	feet using		
(from top of well	<u> </u>	(measuri	ng device)	vvaici D	·	op of well casing)		(meas	uring device)
Historical Well Depth		feet	Protective	Casing Stic	ckup:	feet	Protect. Ca	sing Well	
•	m ground surface)				or above-grou			ifference:	feet
Floating Product This	ckness:		feet using				_		
	•		_			(measurir	g device)		
Well Condition:	-	_		_					
Measuring Device De	econtamination P	rocedure:	Alcon	ox & DI Ri	nse				
PI Meter ID: na		<i>F</i>	ا Ambient Air: ا	na	ppm		Well Mouth:	na	ppm
PURGING PROCED	URES								
Height of Water		al/ft (1 in)							
Column feet		al/ft (1.5 in)			_		4.0		
		al/ft (2 in)	0.6	х	<u>3</u> ca:	sing volumes =	:1.8	gallons to p	urge
	65 ga	al/ft (4 in)	0.0						
6.4	2.6	gal/ft(8 in)						
Purge Method:	Peristaltic								
,	•								
Purge Vol. (gal)			0.5	50	1.0	0	1.70		na
Time (Min.)			9:5		9:5		10:00		na
Temperature (C°)			12.2		12.6		12.50		na
pH (Units)			7.6		7.5		7.55	-	na
Conductivity at 25°C	(mS/cm)		978.	.60	863.		859.70		na
ORP (mV)	,		na	а -	na		na		na
Turb (NTU)			na		na		na		na
DO (%)	•		na	 a	na		na		na
Total Volume Purged	4			1.80 gallon	ıs				
Water Appearance (sescribe color, clarity of	ior:)	clear,	no odor				· · · · · · · · · · · · · · · · · · ·	
OAMBUNO DECOE	DUDES	uzadoan iemakoasi	POSSESSEL TYPECOS	an Service and Controller			postoraja (ili postora	E CALHONEACTER SON	Reserve of the State of the Sta
SAMPLING PROCE Sampling Proc	and the state of t	altic						Laciana, managari	
Camping 1 100	caaro. ronsi	ano			·····				
Sample Water	Appearance (col	or, clarity, o	odor):	clear,	no odor				
ANALYTICAL PARA	AMETERS		1.5						
ti siistidaana on iliin iliidh iliinmiinid	Spage (file and property and the second of the second	No.	of Bottles			Preserv	ative/	Field	Cool
Analysis	Method	Vol	ume, Type	Во	ottle Lot	Volui	me	Filtered?	to 4°C?
VOC	8260B	3	40 ml VOA			HCI	<u></u>	N	Υ
					·		 -		
						~ <u> </u>			
						·/			
OTHER OBSERVA									
Collect MS/MS	D.			NAME	E (Print)	Megan M	cMeans		
				CION	ATI IDE:				
				SIGN.	ATURE:	 			

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



Sample No.: 7-50 Sample Date: 04-Nov-10 Sample Time: 11:10

SITE/SAMPLE LOCA	ATION				
Site Name:	MIM Design	Honeywell South Bend		Project No.: _	3310102011
Personnel Present:	MLM - Peeriess I	vildwest	Activity End:		
Activity Start: Colo	d, raining,		Activity End: _	<u></u>	
Well Type and Location	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` 	up .			
WATER LEVEL/WEL					
Well Depth: 50.0		V	Vater Depth: 19.73	feet using	
(from top of well o		measuring device)	(from top of w	ell casing)	(measuring device)
Historical Well Depth:	:fee m ground surface)	t Protective Cas	sing Stickup:f (for above-ground surf	eet Protect. Cas face) Casing Dif	=
Floating Product Thic	kness:	feet using		(measuring device)	
Well Condition:	-				
Measuring Device De	contamination Proc	edure: Alconox	& DI Rinse		
PI Meter ID: na		Ambient Air: na	ppm	Well Mouth: _	na ppm
PURGING PROCED	URES				
Height of Water	.041 gal/		***************************************	101 101 101 101 101 101 101 101 101 101	4
Column feet	X .09 gal/ft				
	.16 gal/ft	`	3 casing v	olumes =8.3 g	gallons to purge
	65 gal/ft	(4 in) 2.8			
30.27	<u>2.6</u> gal	/ft (8 in)		•	
Purge Method:	Dedicated Bailer	& Peristaltic Pump			
		,			
Purge Vol. (gal)		3.00	6.00	9.00	na
Time (Min.)		10:40	10:55	11:10	na
Temperature (C°)		11.50) 11.10	11.60	na
pH (Units)		7.64	7.61	7.62	na
Conductivity at 25°C	(mS/cm)	849.10	838.40	840.80	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 (de	escribe color, clarity odor:)	clear, no c	odor		
				•	
SAMPLING PROCE	DURES				
Sampling Proce	edure: peristalti	<u> </u>			
Sample Water	Appearance (color,	clarity, odor):	clear, no odor		
ANALYTICAL PARA	METERS		-		
horocolicalia. La descripción de la constitución de la constitución de la constitución de la constitución de l	00000000000000000000000000000000000000	No. of Bottles		Preservative/	Field Cool
Analysis	Method	Volume, Type	Bottle Lot		Filtered? to 4°C?
<u>voc</u>	8260B	3 40 ml VOA		HCL/ -	N Y
				 -	
					
		<u> </u>			
OTHER OBSERVAT		allane parietaltia numa	NAME (Date ()	Nanna	
used to purge 6		allons, peristaltic pump	NAME (Print)	Megan McMeans	
, 3	-		SIGNATURE:		
Alakan MI Dan	anibad whatbarwall w	an looked and the condition	of the protective casing and	concrete coller	

- Described whether well was locked and the condition of the protective casing and concrete collar 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 Rend Indiana

					South Bend, Indiana	diana						
		Field Sample ID	EW-1 05 10	EW-1 11 10	EW-2 05 10	EW-2-11 10	EW-3 05 10	EW-3 11 10	EW-4 05 10	EW-4 11 10	EW-5 05 10	EW-5 11 10
		Sample Date	05/04/10	11/05/10	02/06/10	11/04/10	05/04/10	11/05/10	05/07/10	11/05/10	05/07/10	11/05/10
CONSTITUENTS			Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Volatile Organic Compounds	Units	EPA_MCL										
1,1,1-TRICHLOROETHANE	ng/L	200	2.5 U	9 N	56	21	1 U	1 0	10	1 O	1 N	2.5 U
1,1-DICHLOROETHANE	ng/L	NA	8.8	15	34	59	7	1 O	3.1	2.9	1 U	2.5 U
1,1-DICHLOROETHENE	ng/L	7	2.5 U	0 S	5.2	5.3	1 C	1 U	1 N	1 U	10	2.5 U
1,2-DICHLOROETHANE	ng/L	5	2.5 U	9 n	2.5 U	2 U	1 U	10	1 U	1 U	1 U	[7.7]
1,2-DICHLOROETHENE (TOTAL)	ng/L	NA	200	240	140	120	52	26	49	09	9.6	160
1,2-DICHLOROPROPANE	ng/L	2	2.5 U	5 U	2.5 U	2 U	1 N	1 N	10	1 C	1 0	2.5 U
BENZENE	ng/L		2.5 U	5 U	2.5 U	2 U	1 N	1 N	1 D	1 N	1 U	2.5 U
CHLOROETHANE	ng/L	NA	2.5 U	5 U	2.5 U	2 U	1 0	1 D	1 N	1 U	1 0	2.5 U
CIS-1,2-DICHLOROETHENE	ng/L	20	[170]	[210]	[130]	[110]	28	78	46	22	3.9	[130]
TETRACHLOROETHENE	ng/L	22	2.5 U	5 U	2.5 U	2 U	1 N	1 U	1 U	1 C	10	2.5 U
TOLUENE	ng/L	1000	2.5 U	5 U	2.5 U	2 U	1 U	1 C	10	1 C	1 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ng/L	100	24	34	12	9.4	24	28	3.4	2.8	6.1	56
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	2.5 U	5 U	2.5 U	2 N	1 U	1 O	1 N	1 O	1 U	2.5 U
TRICHLOROETHENE	ng/L	20	[32]	[30]	[88]	[2]	[7.1]	[7.7]	[8.1]	1.8	[30]	2.5 U
VINYL CHLORIDE	ng/L	7	[16]	[32]	[6.3]	[6.2]	1 U	1 U	1 D	1	1 O	[5.8]
opine propine												
ARSENIC: (Total)	na/L	10	5,3	8.7	5 U	5 U	9 C	5 U	5 U	5 U	5 U	5 U
CHROMIUM, (Total)	ng/L	100	2 U	2 U	3.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U
COPPER (Total)	ng/L	1,300	16.3	26.8	170	11.2	16		23.4	2 U	5.1	8.9
LEAD (Total)	ng/L	15	7	4.9	[22]	3.9	1 N	4.6	rs	2.1	1 U	12.6
NICKEL (Total)	ng/L	NA	3.2	Ó	5.1	2.3	7	163	2 N	2 N	. 2 U	21.2
ZINC (Total)	ng/L	NA	113	280	124	43.9	10 U	191	48	29.7	10 U	167
CYANIDE	ng/L	200	19	12	16	38	10 U	28				
BIOCHEMICAL OXYGEN DEMAND (BOD)	ng/L	NA	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
NITROGEN, AMMONIA (AS N)	ng/L	NA	200	200	300	400	200 U	200 U	200	200	200 U	400
OIL AND GREASE (Total)	ng/L	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
TOTAL PHOSPHORUS	ng/L	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TOTAL SUSPENDED SOLIDS (TSS)	ng/L	NA	9,000	19,000	6,000	4,000 U	4,000 U	13,000	8,000	11,000	4,000 U	17,000

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

P-\Industrial Projects/Honeywell SOUTH BEND\3310080036 South Bend\4,0 Project Deliverables\ 4.1 Reports\Vnual Groundwater 2008

Analytical Results Groundwater Samples Naphtha Recovery Wells	Groundwater Monitoring Program - Year 2010	Honeywell Industrial Complex South Bend, Indiana
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			3	ממנון בפוומי וומומומ				
,		Field Sample ID Sample Date	E3A 05 10 05/04/10	E3A 11 10 11/04/10	RWB-16 05 10 05/06/10	RWB-16 11 10 11/05/10	RWB-23 05 10 05/06/10	RWB-23 11 10 11/03/10
CONSTITUENTS			Primary	Primary	Primary	Primary	Primary	Primary
sp	Units	EPA_MCL						
1,1,1-TRICHLOROETHANE	ng/L	200	10	1 C	10	1 U	9 N	10 U
1,1-DICHLOROETHANE	ng/L	NA	7	5.8	10	10	8 0	10 U
1,1-DICHLOROETHENE	ng/L	7	1 C	10	1 O	1 U	8 N	10 U
1,2-DICHLOROETHANE	ng/L	5	10	1 0	10	1 N	0 8	10 U
1,2-DICHLOROETHENE (TOTAL)	ng/L	NA	8.6	6.5	2 U	2 U	390	470
1,2-DICHLOROPROPANE	ng/L	20	10	10	1 U	1 N	9 0	10 U
BENZENE	ng/L	ıc	1.9	1.9	[11]	[11]	[24]	[18]
CHLOROETHANE	ng/L	NA	10	10	10	1.3	8 0	10 U
CIS-1,2-DICHLOROETHENE	ng/L	20	7.3	5.3	10	1 U	[390]	[460]
NAPHTHALENE	ng/L	NA	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	ng/L	S.	10	10	10	1 U	8 N	10 U
TOLUENE	ng/L	1000	10	10	10	1 U	8 N	10
TRANS-1,2-DICHLOROETHENE	ng/L	100	1.3	1.2	10	1 U	8 N	10 U
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	10	10	10	1 U	8 N	10 U
TRICHLOROETHENE	ng/L	52	10	1 U	10	1 U	[160]	[170]
VINYL CHLORIDE	ng/L	2	[9.4]	[9.8]	10	1 U	[101]	[110]
Inorganies								
ARSENIC, (Total)	ng/L	10	. 5 U	5 U	5 0	5 U	5 0	5 U
CHROMIUM, (Total)	ng/L	100	2 U	2 U	2 U	2 U	2 U	2 U
COPPER (Total)	ng/L	1,300	2 U	2 U	2 U	8.4	4.1	26.2
LEAD (Total)	ng/L	15	10	6.5	10	[24.9]	1 U	[32.5]
NICKEL (Total)	ng/L	NA	11.7	19	2 U	2 U	11.1	38.2
ZINC (Total)	ng/L	NA	21.6	171	10 U	94.3	44.2	188
CYANIDE	ng/L	200	17	19	10 U	10 U	10 U	10 U
BIOCHEMICAL OXYGEN DEMAND (BOD)	ng/L	NA	2,000 U	6,000	2,000 U	2,000 U	2,000 U	2,000 U
NITROGEN, AMMONIA (AS N)	ng/L	NA	200	200	009	009	200	200
OIL AND GREASE (Total)	ng/L	NA	5,000 U	2,000 U	9,000 U	2,000	2,000 U	5,000 U
TOTAL PHOSPHORUS	ng/L	NA	100 U	100 U	160	140	100 U	120
TOTAL SUSPENDED SOLIDS (TSS)	ng/L	NA	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

	*	Field Sample ID Sample Date	7-25 05 10 05/04/10	7-25 11 10	86-10 05 10 05/05/10	86-10 11 10 11/03/10	86-15 05 10 05/05/10	86-15 11 10 11/03/10	MW-2 05 10 05/05/10	MW-2 11 10 11/04/10	MW-4 05 10 05/05/10	MW-4 11 10 11/04/10	MW-5 05 10 05/05/10
CONSTITUENTS			Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Volatile Organic Compounds	Units	EPA_MCL											
1,1,1-TRICHLOROETHANE	ng/L	200	1 U	10	3.9	3.5	5.7 U	2 U	[740]	[610]	٦ ٢	2.4	3.4
1,1-DICHLOROETHANE	ng/L	NA	1 U	1 U	1.7 U	1 U	5.7 U	2 U	140	170	2.5	10	1 U
1,1-DICHLOROETHENE	ng/L	7	1 n	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 U	1 D	2 U	10
1,2-DICHLOROETHANE	ng/L	ю	10	1 0	1.7 U	1 O	5.7 U	2 U	91 U	40 U	, U	2 U	10
1,2-DICHLOROETHENE	ng/L	NA	ı	1 U	1	62	1	53	ı	3,500		140	1
1,2-DICHLOROPROPANE	ng/L	5	1 U	٦ ٢	1.7 U	1 U	5.7 U	2 U	91 U	40 U		2 U	10
2-BUTANONE	ug/L	NA	10 U	5 U	17 U	5 Ú	57 U	10 U	910 U	200 U	10 U	10 U	10 U
ACETONE	ng/L	NA	10 U	5 U	17 U	5 U	97 U	10 O	910 U	200 U		10 U	10 U
BENZENE	ng/L	40	1 U	1 U	1.7 U	1 U	5.7 U	2 U	91 U	40 ∪		2 U	1 U
CARBON DISULFIDE	ng/L	NA	1 U	1 U	1.7 U	10	5.7 U	2 U	91 U	40 U		2 U	10
CHLOROETHANE	ng/L	NA	1 U	1 U	1.7 U	10	5.7 U	2 U	91 0	40 ∪		2 U	1 O
CIS-1,2-DICHLOROETHENE	ng/L	20	1 U	1 U	49	54	21	21	[3,500]	[3,500]	3,3	[140]	1 0
DIBROMOMETHANE	ng/L	NA	1 C	1 U	1.7 U	10	5.7 U	2 U	91 U	40 ∪	٦ د	2 U	1 U
IODOMETHANE	ng/L	NA	1 U	1 U	1.7 U	1 N	5.7 U	2 U	91 ∪	40 U	<u>ا</u> ک	2 U	- -
METHYLCYCLOHEXANE	ng/L	NA	1	10	1	- -	1	2 U	i	40 ∪	I	2 U	ı
NAPHTHALENE	ng/L	NA	10	1 U	1.7 U	1 O	5.7 U	2 U	91 ∪	40 U	10	2 U	1 0
TETRACHLOROETHENE	ng/L	2	10	1 U	1.7 U	1 N	5.7 U	2 U	91 U	40 N	1 ∪	2 U	[7.8]
TOLUENE	ng/L	1,000	10	ا ت	1.7 U	10	5.7 U	2 U	91 U	40 U	1 U	2 U	٦ د
TRANS-1,2-DICHLOROETHENE	ng/L	100	10	1 U	6.2	7.5	35	32	91 U	41	10	2 U	1 C
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	10	1 O	1.7 U	1 U	5.7 U	2 U	91 ∪	40 ∩	10		10
TRICHLOROETHENE	ng/L	10	1 U	10	[23]	[20]	[160]	[160]	91 U	40 ∩	[16]	[14]	[18]
VINYL CHLORIDE	ng/L	7	1 O	1 U	1.7 U	1 C	5.7 U	2 U	[140]	[170]	٠ ٢	[47]	1
Inorganics													
CYANIDE	ng/L	200	10 U	ŀ	10 U	1	# C	i	10 U	ı	10 U	I	10 U
TOTAL PHENOLS	ng/L	NA	40 ∪	1	40 ∪	1	40 U	ı	40 U	ı	40 U	· 1	40 U
Arsenic - filtered	ng/L	10	10 U	1	10 U	ı	10 U	ı	10 U	1	10 U	ı	10 U
CHROMIUM - filtered	ng/L	100	5 U	I	2 ∩	1	5 U	I	2 ∪	ı	5 U	1	2 N
LEAD - filtered	ng/L	15	3 0	ı	3 ∪	ı	⊃ ຕ ອ	1	∩ ເ	1	3 O	I	3 C
NICKEL - filtered	ng/L	NA	40 U	ı	40 U	ı	40 U	ı	40 U	ı	40 U	I	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

						Sodal Bella, Ilialalia	, iidala							
	~	Field Sample ID MW-5 11 10 Sample Date 11/04/10		MW-7 05 10 05/05/10	MW-7 11 10 11/01/10	MW-9 05 10 05/05/10	MW-9 11 10 11/04/10	MW-103 11/04/10	MW-10 05 10 05/05/10	MW-104 05/05/10	MW-11 05 10 05/05/10	MW-11 05 10 MW-11 11 10 05/05/10	MW-102	MW-12 05 10 05/05/10
CONSTITUENTS			Primary	Primary	Primary	Primary	Primary	Duplicate of MW-9 11 10	Primary	Duplicate of MIW-10 05 10	Primary	Primary	Duplicate of MW-11 11 10	Primary
Volatile Organic Compounds	Units	EPA_MCL												
1,1,1-TRICHLOROETHANE	ng/L	200	4.9	1.7 U	1 U	1 0	10	1 U	28	28	5.7 U	4.4 U	4.7 U	6.7 U
1,1-DICHLOROETHANE	ng/L	NA	1 O	6.5	7.7	1 0	1 N	1 U	3.3	3.3 U	80	10	9.6	6.7 U
1,1-DICHLOROETHENE	ng/L	7	1 O	1.7 U	1 U	→	10	1 0	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
1,2-DICHLOROETHANE	ng/L	2	1 N	1.7 U	1 U	1 0	10	10	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
1,2-DICHLOROETHENE	ng/L	NA	1 O	1	82	1	10	٦ (ŀ	I	ı	350	360	ı
1,2-DICHLOROPROPANE	ng/L	2	10	1.7 U	1 U	٦ ا	1 N	1 ∪	2.5 ∪	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
2-BUTANONE	ng/L	NA	5 U	17 U	2 N	10 U	5 U	2 ∩	25 U	33 N	57 U	22 U	24 U	67 U
ACETONE	ng/L	NA	5 U	17 U	5 U	10 U	9 N	2 ∪	25 ∪	33 0	0 Z2	22 U	24 U	0 Z9
BENZENE	ng/L	2	1 0	1.7 U	1 0	7	10	1 U	2.5 U	3.3 U	5.7 ∪	4.4 U	4.7 U	6.7 U
CARBON DISULFIDE	ng/L	NA	10	1.7 U	10	7	1 U	1	2.5 U	3.3 U	5.7 U	4.4 U	4.7 U	6.7 U
CHLOROETHANE	ng/L	NA	1 O	1.7 U	1 0	J C	1 U	1 C	2.5 U	3.3 U	5.7 U	4.4 U	4.7 ∪	6.7 U
CIS-1,2-DICHLOROETHENE	ng/L	20	1 O	50	[80]	1 U	10	1 C	6.6	9.5	[150]	[340]	[350]	[180]
DIBROMOMETHANE	ng/L	NA	1 N	1.7 U	10	1 0	1 D	1 0	2.5 U	3.3 ∪	5.7 U	4.4 U	4.7 U	6.7 U
IODOMETHANE	ng/L	NA	1 N	1.7 U	10	1 C	1 N	1 N	2.5 U	3.3 ∪	5.7 U	4.4 U	4.7 U	6.7 U
METHYLCYCLOHEXANE	ng/L	NA	1 U	ı	10	1	10	1 U	i	l	1	16	16	1
NAPHTHALENE	ng/L	NA	1 N	1.7 U	1 O	1 U	1 U	1 D	2.5 U	3.3 ∪	5.7 U	4.4 U	4.7 ∪	6.7 U
TETRACHLOROETHENE	ng/L	2	[8.1]	1.7 U	10	1 N	٦ ٢	10	2.5 U	3.3 ∪	5.7 U	4.4 U	4.7 U	6.7 U
TOLUENE	ng/L	1,000	10	1.7 U	1 0	1 D	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	ng/L	100	10	1.7 U	1.2	1 U	1 U	1 U	2.5 U	3.3 ∪	5.7 U	8.6	8.9	15
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	1 U	1.7 U	1 U	1 D	1 U	1 N	2.5 U	3,3 ∪	5.7 U	4.4 U	4.7 U	6.7 U
TRICHLOROETHENE	ng/L	2	[22]	1.7 U	1	1 U	10	1 U	[36]	[06]	5.7 U	4.4 U	4.7 U	[24]
VINYL CHLORIDE	ng/L	7	1	[44]	[54]	1 U	10	7	2.5 ∪	3.3 U	[26]	[31]	[34]	[15]
Inorganics										-				
CYANIDE	ng/L	200	ı	10 U	1	10 U	ı	1	10 ∪	10 U	10 U	i	ı	10 U
TOTAL PHENOLS	ng/L	ΝΑ	ı	40 U	1		ı	!	40 U	40 U	40 U	1	l	40 U
Arsenic - filtered	ng/L	10	I	10 U	I			ı	10 O	10 U	10 U	1	ı	10 U
CHROMIUM - filtered	ng/L	100	1	2 ∪	ı	2 ∪	ł	1	5 U	5 U	2 ∩	1	1	5 U
LEAD - filtered	ng/L	15	I	ო წ	ı	ი წ	i	ı	n ç	ე :	3 3 5	1	1	3 C
Nichel - Mejed	ug/L	Ā	1		ı	5	ı	ı	40 O	40 0	40 U	1	ł	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 Welts Groundwater Monitoring Program - Year 2010 Honeywell Industrial Complex South Bend, Indiana

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	4.	Field Sample ID MW-12 11 10 MW-13 05 1. Sample Date 11/04/10 05/05/10	MW-12 11 10 11/04/10	MW-13 05 10 05/05/10	0 MW-13 11 10 11/02/10	S3 05 10 05/05/10	S3 11 10 11/04/10	MW-101 11/04/10	S4A 05 10 05/03/10	S4A 11 10 11/02/10	S9 05 10 05/05/10	S9 11 10	S14 05 10 05/05/10	S14 11 10
CONSTITUENTS			Primary	Primary	Primary	Primary	Primary	Duplicate of 53 11 10	Primary	Primary	Primary	Primary	Primary	Primary
Volatile Organic Compounds	Units	EPA_MCL									ı			
1,1,1-TRICHLOROETHANE	ng/L	200	1	10	J C	10	٦ -	٦ -	2 ∪	1.7 U	1.7 U	10	5.2	9.9
1,1-DICHLOROETHANE	ng/L	ΝA	1.6	1 U	10	1 O	10	1 C	18	19		3.7	9.6	9.8
1,1-DICHLOROETHENE	ng/L	7	1 U	1 U	1 U	1 C	10	٦ 0	9 ∩	2.1		1 C	1.7 U	10
1,2-DICHLOROETHANE	ng/L	70	10	1 U	1 U	1 C	1 U	1 C	2 ∪	1.7 U	[22]	[52]	17.11	[55]
1,2-DICHLOROETHENE	ng/L	NA	69	;	1 U	!	1 U	1 U	ı	140	. !	09	. !	. 67
1,2-DICHLOROPROPANE	ng/L	ю	1 U	1 U	10	1 U	1 U	1 0	2 ∪	1.7 U	1.7 U	10	1.7 U	1.1
2-BUTANONE	ng/L	Ą	9 N	10 U	5 U	10 U	5 U	2 ∪	20 ∩	8.5 U	17 U	5 U	17 U	. 5 U
ACETONE	ng/L	AN	2 ∩	10 U	5 U	10 U	2 ∪	2 ∪	20 C	8.5 U	17 U	5 U	17 U	2 ∪
BENZENE	ng/L	ю	1 0	٦ د	1 0	1 C	1 C	1 C	5 U	1.7 U	1.7 U	10	1.7 U	10
CARBON DISULFIDE	ng/L	NA	1 N	1 U	1 0	1 0	10	1 C	5 U	1.7 U	1.7 U	1 0	1.7 U	1 U
CHLOROETHANE	ng/L	NA	1 0	<u>۔</u> ت	1 0	1 0	1 U	1 C	5 U	1.7 U	1.7 U	10	1.7 U	10
CIS-1,2-DICHLOROETHENE	ng/L	20	51	1 C	1 0	1 0	1 C	1 C	[150]	[140]	20	53	53	63
DIBROMOMETHANE	ng/L	NA	1 O	1 U	1 0	1 C	1 C	1 D	5 U	1.7 U	1.7 U	1 U	1.7 U	10
IODOMETHANE	ng/L	NA	10	۔ ت	1 0	1 C	1 C	1 0	2 ∪	1.7 U	1.7 U	1 C	1.7 U	٦ ت
METHYLCYCLOHEXANE	ng/L	NA	1 0	1	10	1	1 0	1 C	ı	1.7 U	ŀ	-	i	10
NAPHTHALENE	ng/L	NA	1 0	- -	- -	1 U	1 O	1 C	5 U	1.7 U	1.7 U	٦ ت	1.7 U	1 U
TETRACHLOROETHENE	ng/L	ıc) 	_ _	- -	1 0	1 C	1 U	2 ∪	1.7 U	1.7 U	1 C	1.7 U	1 N
TOLUENE	ng/L	1,000	1 0	1 U	10	1 C	10	1 C	2 ∪	1.7 U	1.7 U	ا ت	1.7 U	10
TRANS-1,2-DICHLOROETHENE	ng/L	100	9.2	1 U	10	1 U	1 C	1 C	5.1	4.7	6.8	7.5	4	4
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	1 U	1 U	1 O	1 U	1 C	٦ ت	2 ∪	1.7 U	1.7 U	٦ د	1.7 U	10
TRICHLOROETHENE	ng/L	5	[7.9]	1 0	10	1 U	1 U	1 C	2 ∪	1.7 U	1.7 U	7	[21]	[23]
VINYL CHLORIDE	ng/L	7	1 U	1 C	1 O	1 C	10	1 C	[22]	[49]	1.7 U	1 U	1.7 U	1 n
Inorganics														
CYANIDE	ng/L	200	ŀ	10 U	1	10 U	ı	1	10 U	ŀ	10 0	ŀ	10 U	;
TOTAL PHENOLS	ng/L	NA	ı	40 U	I	40 U	ı	1	40 ∪	ı	40 U	ı	40 U	I
Arsenic - filtered	ng/L	10	ı	10 U	1	10 U	ı	1	10 U	1	10 U	i	10 U	ı
CHROMIUM - filtered	ng/L	100	1	D 9	ı	2 ∩	ŧ	ı	2 ∪	ı	5 U	I	5 U	i
LEAD - filtered	ng/L	15	ı	3 ∪	1	3 ∩	1	ì	3 ∪	ł	3 0	ı	ე დ	ı
NICKEL - filtered	ng/L	NA	1	40 U	ı	40 U	ı	1	40 U	ŀ	40 U	i	40 U	ı

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

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	*	Field Sample ID	S15 05 10	S15 11 10	S16 05 10	S16 11 10	S17 05 10	MW-101	S17 11 10	\$20 05 10	MW-102	S20 11 10	S21 05 10	S21 11 10
CONSTITUENTS		Sample Date	05/05/10 Primary	11/03/10 Primary	05/03/10 Primary	11/02/10 Primary	05/05/10 Primary	05/05/10 Duplicate of \$17 05 10	11/03/10 Primary	05/04/10 Primary	05/04/10 Duplicate of \$20 05 10	11/02/10 Primary	05/04/10 Primary	11/02/10 Primary
Volatile Organic Compounds	Units	EPA_MCL		,										
1,1,1-TRICHLOROETHANE	ng/L	200	1 U	1 0	9.1 U	7	1.9	7	2.3	1 U	10	1 C	1.4 U	10
1,1-DICHLOROETHANE	ng/L	NA	-	ا 1	9.1 U	3.2 U	7	7	2.1	1 U	10	1 U	1.4 U	10
1,1-DICHLOROETHENE	ng/L	7	1 O	10	9.1 U	3.2 U	10	1 U	1 U	1 U	10	10	1.4 U	10
1,2-DICHLOROETHANE	ng/L	15	10	1 U	9.1 U	3.2 U	1 U	٦ ت	1 U	1 U	10	10	1.4 U	10
1,2-DICHLOROETHENE	ng/L	NA	ı	1.7	i	22	ı	ł	1.1	ı	ı	1 C	ì	49
1,2-DICHLOROPROPANE	ng/L	ıç,	1 N	1 U	9.1 U	3.2 U	10	1 O	1 O	1 U	10	1 0	1.4 U	1 O
2-BUTANONE	ng/L	NA	10 U	5 ∪	91 U	16 U	10 U	10 U	2 ∩	10 U	10 U	5 U	14 U	5 U
ACETONE	ng/L	NA	10 U	2 ∪	91 U	16 U	10 U	10 U	2 ∩	10 U	10 U	5 U	14 U	9 ∩
BENZENE	ng/L	5	1 C	-	9.1 U	3.2 U	1 O	1 U	1 U	1 U	10	1 N	1.4 U	٦ د
CARBON DISULFIDE	ng/L	NA	10	1 0	9.1 U	3.2 U	10	1 0	1 U	1 C	10	1 U	1.4 U	- -
CHLOROETHANE	ng/L	NA	1 N	7 ∩	9.1 ∪	3.2 U	10	1 0	1 U	1 C	10	1 U	1.4 ∪	1 C
CIS-1,2-DICHLOROETHENE	ng/L	20	1.6	1.2	11	11	1.6	1.6	1.1	1 C	10	1 U	39	32
DIBROMOMETHANE	ng/L	NA	10	J ∪	9.1 U	3.2 U	10	10	1 O	1 C	1 U	1 0	1.4 U	<u>۱</u>
IODOMETHANE	ng/L	ΝA	1 N	1 C	9.1 U	3.2 U	1 O	1 ∪	1 U	1 n	1 U	1 U	1.4 U	10
METHYLCYCLOHEXANE	ng/L	WA	1	٦ ٢	1		1	1	1 0	I	1	10	ŀ	1 U
NAPHTHALENE	ng/L	NA	10	1 U	9.1 U		1 D	10	1 U	1 C	10	10	1.4 U	<u>۱</u>
TETRACHLOROETHENE	ng/L	2	10	1 C	9.1 U		10	٦ ٥	1 U	1 C	10	1 C	1.4 ∪	10
TOLUENE	ng/L	1,000	1 N	1 C	9.1 U		10	<u>۱</u> 0	1 0	1 U	10	10	1.4 U	10
TRANS-1,2-DICHLOROETHENE	ng/L	100	10	1 U	9.1 U	-	10	ا 0	1 0	10	1 0	<u>ا</u> د	24	17
TRANS-1,3-DICHLOROPROPENE	ng/L	۸A	1 N	1 C	9.1 U		1 D	1 U	1 U	1 U	10	1 C	1.4 U	<u>ا</u> 0
TRICHLOROETHENE	ng/L	10	10	1 U	[250]		[10]	[10]	[10]	10	10	10	[34]	[31]
VINYL CHLORIDE	ng/L	7	[2.3]	1.8	9.1 U	3.2 U	1 O	1 C	1 C	10	1 D	10	1.4 U	10
Inorganics														
CYANIDE	ng/L	200	10 U	ı	10 U	i	10 U	10 U	ı	10 U	10 U	ı	10 U	l
TOTAL PHENOLS	ng/L	NA	40 U	ł	40 U	ŀ	40 U	40 U	1	40 U	40 U	1	40 U	1
Arsenic - filtered	ng/L	10	10 U	ŀ	10 U	ł	10 U	10 U	ı	10 U	10 U	1	10 U	ŀ
CHROMIUM - filtered	ng/L	100	5 U	1	5 U	1	2 ∪	5 U	1	5 U	2 ∪	ı	5 U	i
LEAD - filtered	ng/L	15	3 U	ı	3 ∪	1	Πε.	3 0	i	3 0	3 ∪	ı	3 U	I
NICKEL - filtered	ng/L	NA	40 U	ı	40 U	1	40 U	40 U	1	40 ∪	40 U	ı	40 N	ł

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

Groundwater Monitoring Program - Year 2010
Honeywell Industrial Complex
South Bend, Indiana Analytical Results Groundwater Samples Shallow Wells

						Court Della, Illarane	ilidalla							
	-	Field Sample ID Sample Date	S22 01 10 01/18/10	S22 04 10 04/14/10	S22 07 10 07/12/10	S22 10 10 10/18/10	S23 01 10 01/18/10	S23 04 10 04/14/10	S23 07 10 07/12/10	S23 10 10 10/18/10	S24 05 10 05/03/10	S24 11 10 11/02/10	S25 05 10 05/04/10	S25 11 10 11/02/10
CONSTITUENTS			Primary											
Volatile Organic Compounds	Units	EPA_MCL												
1,1,1-TRICHLOROETHANE	ng/L	200	3.3 ∪	3.3 U	2 U	1 0	10	1 D	10	٦ ا	4 U	1.5 U	1 0	10
1,1-DICHLOROETHANE	ng/L	NA	3.3 U	3.3 U	2 U	1 U	ဗ	7	1.8	2.5	4 U	1.5 U	1 U	10
1,1-DICHLOROETHENE	ng/L	7	3.3 U	3.3 U	2 U	10	1 U	1	٦	1 C	4 U	1.5 U	1 U	10
1,2-DICHLOROETHANE	ng/L	6	3.3 ∪	3.3 U	2 U	1 U	10	10	-	1 O	4 0	1.5 U	10	10
1,2-DICHLOROETHENE	ng/L	NA	ŀ	ı	ł	ı	ı	ŀ	ŀ	ı	1	190	ŀ	16
1,2-DICHLOROPROPANE	ng/L	2	3.3 U	3.3 U	2 U	1 O	1 C	1 C	1 U	1 U	4 U	1.5 U	1 0	1 U
2-BUTANONE	ng/L	NA	33 0	33 U	20 U	10 U	40 U	7.5 U	10 U	5 U				
ACETONE	ng/L	NA	38	33 N	20 N	10 U	40 U	7.5 U	10 U	5 U				
BENZENE	ng/L	10	3.3 U	3.3 U	2 U	- -	10	10	10	10	4 U.	1.5 U	1 U	1 U
CARBON DISULFIDE	ng/L	NA	3.3 U	3.3 U	2 N	2.2	1 n	10	10	2.2	4 0	1.5 U	1 C	1 C
CHLOROETHANE	ng/L	NA	3.3 U	3.3 U	2 U	1 U	1 U	1 U	1 U	1 U	4 0	1.5 U	1 U	10
CIS-1,2-DICHLOROETHENE	ng/L	20	[86]	[110]	63	36	9.9	6.5	4	က	[100]	[110]	12	11
DIBROMOMETHANE	ug/L	NA	3.3 ∪	3.3 ∪	2 U	10	٦ د	1 D	, 0 L	1 C	4 N	1.5 U	10	1 U
IODOMETHANE	ng/L	NA	3.3 U	3.3 ∪	2 U	1 U	1 0	10	1 U	1 0	4 N	1.5 U	1 C	10
METHYLCYCLOHEXANE	ng/L	MA	1	1	1	1	ı	ı	ı	ı	1	1.5 U	1	1 C
NAPHTHALENE	ng/L	NA	3.3 ∪	3.3 ∪	2 U	1 U	1 0	1 0	1 0	1 U	4	1.5 U	1 U	1 U
TETRACHLOROETHENE	ng/L	2	3.3 U	3.3 ∪	2 U	10	10	٦ ١	-	10	4	1.5 U	10	10
TOLUENE	ng/L	1,000	3.3 U	3.3 ∪	2 U	٦ -	1 N	1 U	1 U	1 U	4 U	1.5 U	1 C	10
TRANS-1,2-DICHLOROETHENE	ng/L	100	20	22	18	17	10	1 C	1 C	1 U	79	87	5.1	4.4
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	3.3 U	3.3 ∪	2 U	<u>۲</u> ۲	1 N	٦ د	<u>۱</u> ت	1 U	4 ∪	1.5 U	1 0	10
TRICHLOROETHENE	ng/L	2	3.3 U	3.3 U	2 U	1 C	[5.9]	7	2.7	4.6	[17]	[47]	1 D	1 C
VINYL CHLORIDE	ng/L	7	[5.6]	[9.2]	[20]	[25]	1 O	1 U	1 U	U.	4 U	[2.5]	1 U	1 O
Inorganics	,													
CYANIDE	ng/L	200	1	10 U	ı	ŀ	ı	10 U	ı	1	10 ∪	ı	10 U	ı
TOTAL PHENOLS	ng/L	NA	ı	40 U	ı	ı	1	40 U	i	1	40 U	ı	40 ∪	1
Arsenic - filtered	ng/L	10	l	à I	I	ı	1	1	!	ı	10 U	ı	10 U	l
CHROMIUM - filtered	ng/L	100	1	5 U	ı	ı	1	5 U	1	i	5 U	ı	5 U	
LEAD - filtered	ng/L	15	ı	⊃ : e 'ç	i	1	ì	∩ e	1	ı	n :	ı	ე: ღ	ı
NICNEL - III(e) ed	ng/L	XX.	ı	0 04	ł	1	l	0	1	!	0.04	ı	0 0 0	I

Shallow Wells	Groundwater Monitoring Program - Year 2010	Honeywell Industrial Complex	South Bend, Indiana
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Analytical Results Groundwater Samples

		Field Sample ID	S26 05 10 05/03/10	S26 11 10 11/02/10	S27 05 10 05/03/10	S27 11 10 11/02/10	S28 05 10 05/03/10	S28 11 10	
CONSTITUENTS			Primary	Primary	Primary	Primary	Primary	Primary	
Volatile Organic Compounds	Units	EPA_MCL							
1,1,1-TRICHLOROETHANE	ng/L	200	1 U	10	8.9	8.6	2 U	1.8	
1,1-DICHLOROETHANE	ng/L	NA	٦ ٢	1 C	23	52	2 U	1.4	
1,1-DICHLOROETHENE	ng/L	7	<u>۱</u> ت	10	2.3	1.7	2 U	- -	
1,2-DICHLOROETHANE	ng/L	10	1 U	10	10	10	2 U	1 U	
1,2-DICHLOROETHENE	ng/L	NA	ì	11	1	24	:	22	
1,2-DICHLOROPROPANE	ng/i	2	1 C	٦ ا	10		2 U	1 U	
2-BUTANONE	ug/Ł	AN	10 U	5 U	10 U	2 ∪	20 U	2 ∪	
ACETONE	ng/L	NA	10 U	5 U	10 U	2 ∪	20 U	5 U	
BENZENE	ng/L	20	1 C	10	10	10	2 U	1 U	
CARBON DISULFIDE	ng/L	NA	٦ د	10	10	1 ∪	2 U	1 O	
CHLOROETHANE	ng/L	NA	1 C	1 C	10	1 U	2 U	1 0	
CIS-1,2-DICHLOROETHENE	ng/L	20	3,5	8.2	19	22	26	26	
DIBROMOMETHANE	ug/Ł	NA	1 C	1 U	1 C	1 C	2 U	1 U	
IODOMETHANE	ng/L	NA	_ _	1	1 O	1 C	2 U	1 O	
METHYLCYCLOHEXANE	ng/L	NA	ı	1 C	ı	1 O	1	1 N	
NAPHTHALENE	ng/L	W	- -	1 C	10	٦ ٢	2 U	1 O	
TETRACHLOROETHENE	ng/L	9	1 0	-	10	10	2 U	1 C	
TOLUENE	ng/L	1,000	1 U	1 U	1 C	1 n	2 U	1 C	
TRANS-1,2-DICHLOROETHENE	ng/L	100	1.2	2.7	2.5	2.7	42	46	
TRANS-1,3-DICHLOROPROPENE	ng/L	W	10	1 C	1 N	1 C	2 U	1 C	
TRICHLOROETHENE	ng/L	ъ	[11]	[19]	[12]	[11]	[61]	[64]	
VINYL CHLORIDE	ng/L	~	1 D	-	1 O	1 U	2 U	1 O	
Inorganics									
CYANIDE	ng/L	200	10 U	ı	10 U	ı	10 U	ı	
TOTAL PHENOLS	ng/L	WA	40 U	ı	40 U	i	40 U	ı	
Arsenic - filtered	ng/L	10	10 U	ı	10 U	ı	10 U	ı	
CHROMIUM - filtered	ng/L	100	2 ∩	ı	5 U	;	5 U	i	
LEAD - filtered	ng/L	15	3 U	1	3 N	1	3 0	ı	
NICKEL - filtered	ng/L	W	40 U	1	40 U	1	40 U	1	

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

MACTEC Engineering and Consulting Inc.

Analytical Results Groundwater Samples Intermediate Wells Groundwater Monitoring Program - Year 2010 Honeywell Industrial Complex South Bend, Indiana

		Field Sample ID	7-50 05 10	7-50 11 10	D8 05 10 05/05/10	D8 11 10 11/03/10
CONSTITUENTS			Primary	Primary	Primary	Primary
Volatile Organic Compounds	Units	EPA_MCL				
1,1,1-TRICHLOROETHANE	ng/L	200	10	10	10	10
1,1-DICHLOROETHANE	ng/L	NA	10	10	10	1 C
1,1-DICHLOROETHENE	ng/L	7	1 C	10	1 O	10
1,2-DICHLOROETHANE	ng/L	2	10	10	1 U	10
1,2-DICHLOROETHENE	ng/L	NA		10	ł	25
1,2-DICHLOROPROPANE	ng/L	2	1 0	1 U	1 C	10
2-BUTANONE	ng/L	NA	10 U	0 S	10 U	5 U
ACETONE	ng/L	NA	10 U	5 U	10 U	5 U
BENZENE	ng/L	2	10	10	10	10
CARBON DISULFIDE	ng/L	NA	10	10	10	1 U
CHLOROETHANE	ng/L	NA	10	10	1 0	10
CIS-1,2-DICHLOROETHENE	ng/L	20	10	10	16	20
DIBROMOMETHANE	ng/L	NA	1 U	10	10	1 0
IODOMETHANE	ug/L	NA	10	10	1 n	10
METHYLCYCLOHEXANE	ng/L	NA	ŀ	10	!	10
NAPHTHALENE	ng/L	NA	1 U	10	. 10	10
TETRACHLOROETHENE	ng/L	5	1 U	10	10	10
TOLUENE	ng/L	1,000	10	10	10	10
TRANS-1,2-DICHLOROETHENE	ng/L	100	10	10	2.9	4.2
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	10	J C	10	10
TRICHLOROETHENE	ng/L	2	1 N	10	1 N	1 O
VINYL CHLORIDE	ng/L	7	10	10	1 0	1 0
Inordanics						
CYANIDE	ng/L	200	10 U	1	10 U	1
TOTAL PHENOLS	ng/L	NA	. 40 U	ŀ	40 U	1
Arsenic - filtered	ng/L	10	10 U	;	10 U	ī
CHROMIUM - filtered	ng/L	100	9 0	1	5 U	1
LEAD - filtered	ng/L	15	3 ∩	1	3 N	1
NICKEL - filtered	ng/L	M	40 U	ł	40 U	ı

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

				,	Deep Wells	ells						
	•			Groundw F	Groundwater Monitoring Program - Year 2010 Honeywell Industrial Complex South Bend, Indiana	Program - Year rial Complex Indiana	2010					
		Field Sample ID Sample Date	2D 05 10 05/03/10	2D 11 10 11/04/10	MW-104 11/04/10	7D 05 10 05/05/10	MW-103 05/05/10	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
CONSTITUENTS		•	Primary	Primary	Duplicate of 2D 11 10	Primary	Duplicate of 7D 05 10	Primary	Primary	Primary	Primary	Primary
Volatile Organic Compounds	Units	EPA MCL										
1,1,1-TRICHLOROETHANE	ng/L	200	1 U	1 0	1 U	1 U	1 U	1 U	1 U	1 U	10	1 U
1,1-DICHLOROETHANE	ng/L	NA	٦ ١	1 N	1 U	1 N	10	1 N	1 U	1 N	1 N	1 U
1,1-DICHLOROETHENE	ng/L	7	10	1 U	1 U	10	1 U	1 U	1 N	10	10	1 U
1,2-DICHLOROETHANE	ng/L	ıc	4.1	[2]	[2]	1 U	1 U	10	1 D	1 0	10	1 U
1,2-DICHLOROETHENE	T/6n	NA	;	12	13	!	ŀ	8.6	ı	1 U	1	1 U
1,2-DICHLOROPROPANE	ng/L	5	1 0	1 N	٠ ٢	10	٦ د	1 U	1 O	1 U	1 U	1 U
2-BUTANONE	ng/L	NA	10 U	5 U	5 U	10 U	10 U	9 n	10 U	2 ∩	10 U	5 U
ACETONE	ng/L	NA	10 U	5 U	5 U	10 U	10 U	5 U	10 U	2 ∪	10 U	5 U
BENZENE	ng/L	5	1 U	1 U	1 U	1 U	10	1 U	10	1 U	1 O	10
CARBON DISULFIDE	ng/L	NA	1 U	1 U	10	. 1 U	1 0	1 U	10	1 U	1 U	10
CHLOROETHANE	ng/L	NA	1 U	1 U	1 N	1 1	1 U	1 U	10	1 U	10	1 U
CIS-1,2-DICHLOROETHENE	ng/L	20	12	12	12	6.5	6.8	6.2	10	10	10	1 U
DIBROMOMETHANE	ng/L	NA	1 U	1 U	10	1 U	10	1 U	1 N	1 U	10	1 N
IODOMETHANE	ng/L	NA	1 U	1 C	10	1 0	10	1 0	10	1 0	1 O	1 N
METHYLCYCLOHEXANE	ng/L	NA	!	10	10	1	1	1 U	1	1 C	ı	10
NAPHTHALENE	ng/L	NA	٦ -	1 U	10	1 N	1 C	1 U	1 U	1 O	10	10
TETRACHLOROETHENE	ng/L	2	٦ ٢	1 U	1 U	1 N	1 U	1 U	1 N	1 U	1 O	10
TOLUENE	ng/L	1,000	٦ -	1 U	1 U	1 N	10	1 U	10	1 U	1 U	10
TRANS-1,2-DICHLOROETHENE	ng/L	100	1 U	1 0	1 C	4.9	4.9	2.4	٦ د	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	ng/L	NA	1 C	1 U	1 C	1 C	1 U	1 1	1 C	10	10	1 C
TRICHLOROETHENE	ng/L	ko	٦ ٢	1 0	1 O	[6.7]	[7.9]	2.9	10	10	1 0	1 N
VINYL CHLORIDE	ng/L	7	1 C	1 N	10	1 U	1 C	1 N	1 N	10	1 U	[11]
Inorganics												
CYANIDE	ng/L	200	10 U	ı	i	10 U	10 U	ŀ	10 U	ŀ	10 U	i
TOTAL PHENOLS	ng/L	NA	40 U	1	;	40 U	40 U	1	40 U	1	83	1
Arsenic - filtered	ng/L	10	10 U	ı	1	10 U		1	10 U	1	10 U	ŀ
CHROMIUM - filtered	ng/L	100	5 U	-1	1	5 U	5 U	1	9 N	}	5 U	i
LEAD - filtered	ng/L	15	3 U.	;	1	3 U	3 U	1	3 0	ŀ	3 0	1
NICKEL - filtered	ng/L	NA	40 U	1	1	40 U	40 U	1	40 U	ı	40 U	

Analytical Results Groundwater Samples Deep Wells

Notes:

U = not detected above indicated laboratory reporting limit [5] = concentration is equal to or greater than the EPA MaximumContaminant Level (MCL) for Drinking Water -- = not analyzed
NA = not available

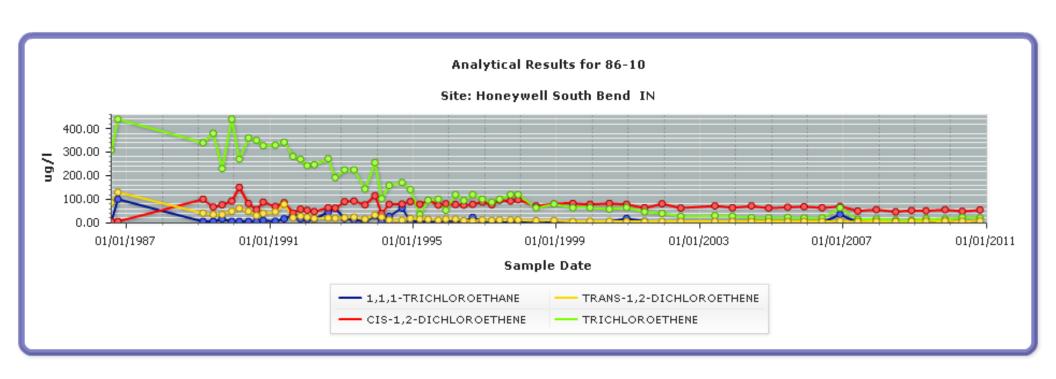
				South Bend, indiana	Idalia					
		Field Sample ID Sample Date	D5 05 10 05/04/10	MW-100 05/04/10	D5 11 10 11/02/10	D7 05 10 05/04/10	D7 11 10 11/02/10	D12 05 10 05/05/10	D12 11 10 11/03/10	MW-100 11/03/10
CONSTITUENTS		•	Primary	Duplicate of D5 05 10	Primary	Primary	Primary	Primary	Primary	Duplicate of D12 11 10
Volatile Organic Compounds	Units	EPA_MCL								
1,1,1-TRICHLOROETHANE	ng/L	200	1 N	1 0	10	10	1 O	1 U	٦ د	10
1,1-DICHLOROETHANE	ng/L	NA	1 N	10	1 O	1 U	1 U	10	10	1 N
1,1-DICHLOROETHENE	ng/L	7	1 O	1 C	1 N	1 U	٦ -	10	٦ د	1 0
1,2-DICHLOROETHANE	ng/L	5	1 U	10	1 O	[21]	[18]	10	J C	10
1,2-DICHLOROETHENE	ng/L	ΝA	ı	ŀ	1 O	I	1 U	ı	1 U	10
1,2-DICHLOROPROPANE	ng/L	ıc	1 C	1 N	1 O	1 N	1 N	1 U	<u>۱</u> د	1 C
2-BUTANONE	ng/L	NA	10 U	10 U	9 N	10 U	5 U	10 U	2 ∪	5 U
ACETONE	ug/L	NA	10 U	10 U	5 U	10 U	5 U	10 U	2 ∪	5 U
BENZENE	ng/L	. 2	1 U	10	1 U	10	1 U	1 U	10	10
CARBON DISULFIDE	ng/L	NA	1 U	10	10	1 C	1 U	1 U	1 U	10
CHLOROETHANE	ng/L	NA	1 C	1 U	10	1 O	1 U	1 U	1 U	10
CIS-1,2-DICHLOROETHENE	ng/L	20	1 U	1 U	1 N	1 O	1 U	10	1 U	1 N
DIBROMOMETHANE	ng/L	NA	1 U	1 U	10	1 U	1 U	1 U	1 U	1 O
IODOMETHANE	ng/L	NA	1 U	1 U	1 N	1 U	1 U	1 U	10	10
METHYLCYCLOHEXANE	ng/L	ΝA	ł	;	10	1	1 U	1	1 U	10
NAPHTHALENE	ng/L	NA	1 U	٦ ت	٦ ا	1 C	1 U	10	1 U	10
TETRACHLOROETHENE	ng/L	20	1 U	1 U	10	1 U	1 N	10	1 0	1 U
TOLUENE	ng/L	1,000	1 N	1 U	1 U.	1 U	1 N	1 C	10	1 U
TRANS-1,2-DICHLOROETHENE	ng/L	100	1 U	1 C	10	10	10	1 U	10	1 U
TRANS-1,3-DICHLOROPROPENE	ng/L	W	1 U	1 U	1 U	10	10	10	1 U	1 U
TRICHLOROETHENE	ng/L	5	10	J U	1 U) U) 1 U	10	1 0	10
VINYL CHLORIDE	ng/L	7	10	1 U	1 C	1 N	10	1 U	10	1 0
Inorganics										
CYANIDE	ug/L	200	10 U	10 U	ł	10 U	ł	10 U	ŀ	1
TOTAL PHENOLS	ng/L	NA	40 U	40 U	ŀ	40 U	;	40 U	1	1
Arsenic - filtered	ng/L	10	10 U	10 U	1	10 U	ŀ	10 U	ì	ŀ
CHROMIUM - filtered	ng/L	100	5 U	5 U	ŀ	5 U	;	5 0	ŧ	ŀ
LEAD - filtered	ng/L	15	3 0	3 N	ŀ	3 0	ł	3 U	1	;
NICKEL - filtered	ng/L	ΑN	40 U	40 U		40 U	1	40 U	I	ı
			•							

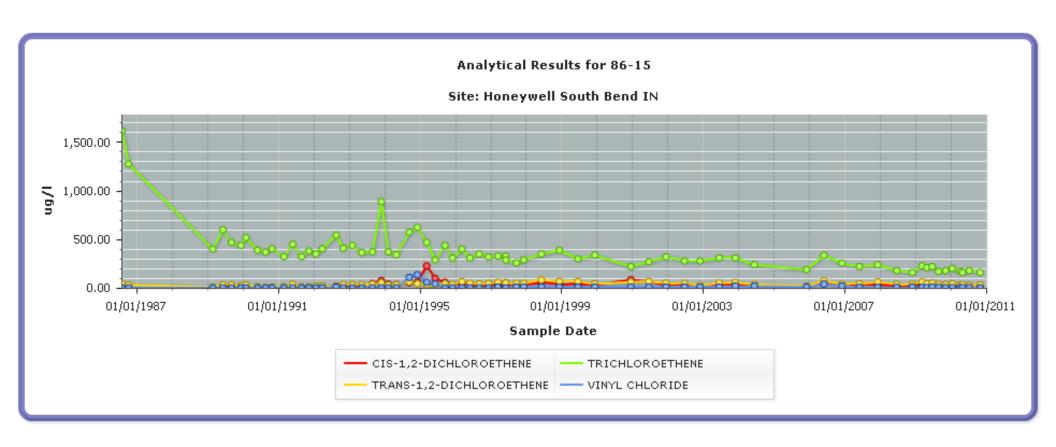
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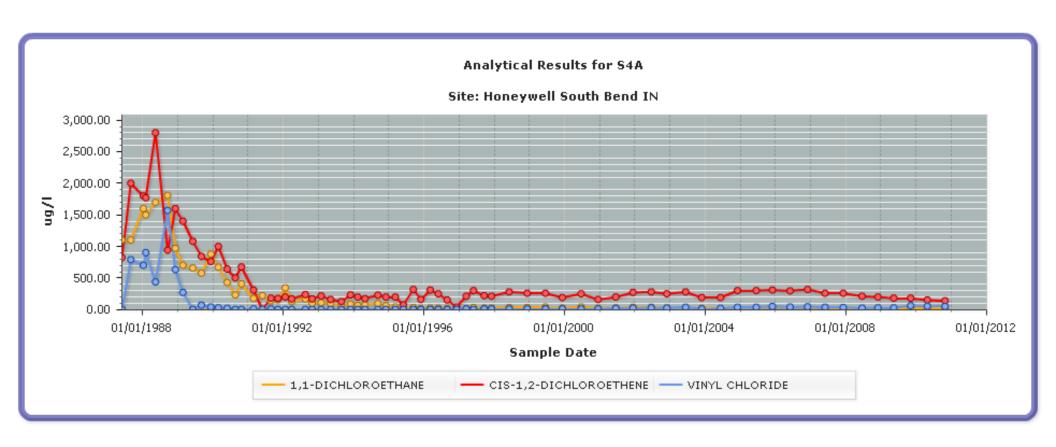
U = not detected above indicated laboratory reporting limit [f5] = concentration is equal to or greater than the EPA MaximumContaminant Level (MCL) for Drinking Water -- = not analyzed
NA = not available

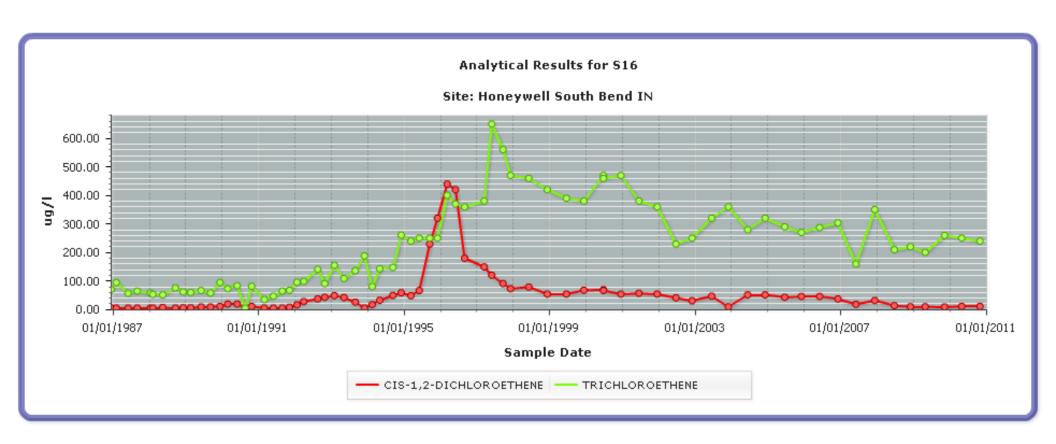
APPENDIX C

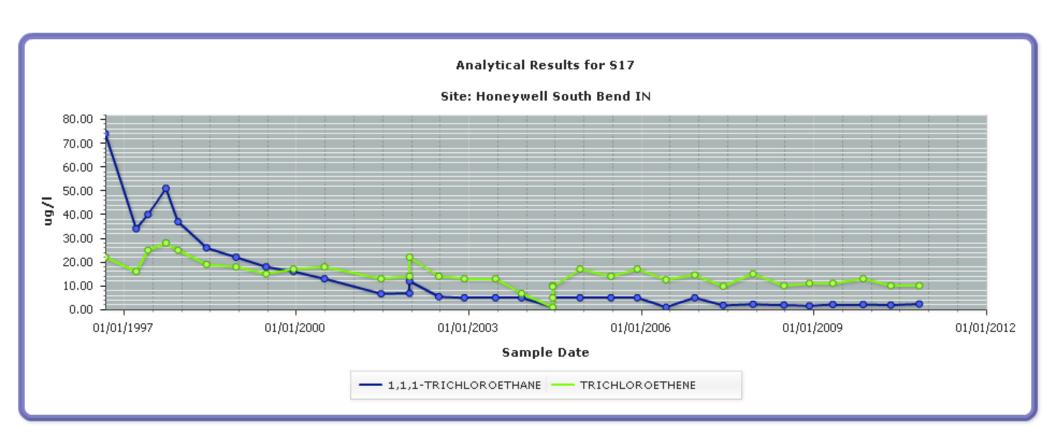
TIME-SERIES ANALYSIS OF CONTAMINANT CONCENTRATIONS

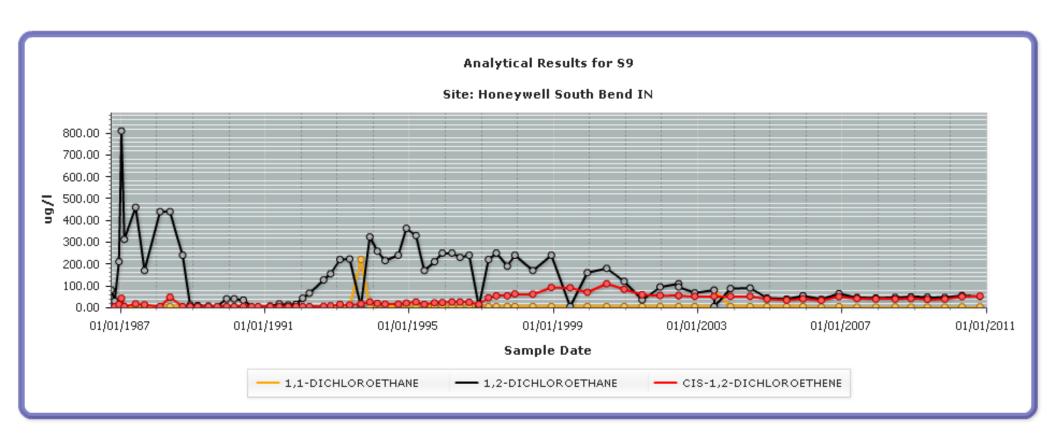


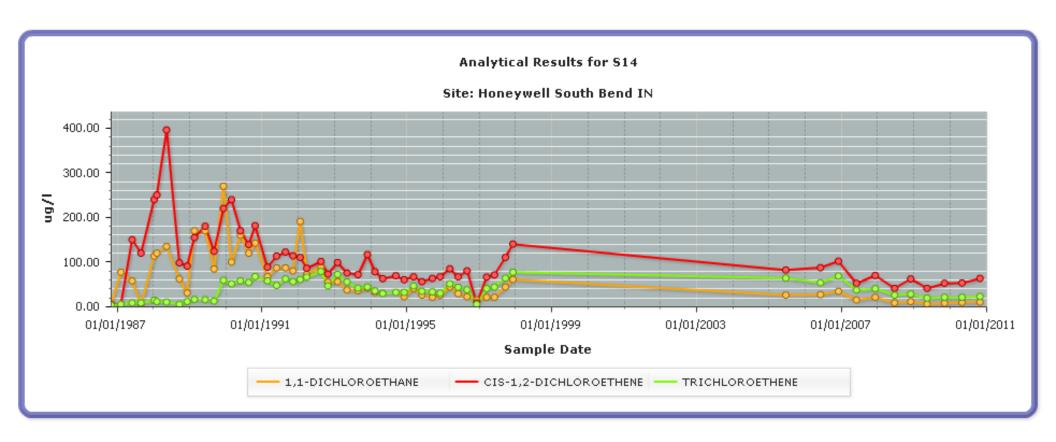


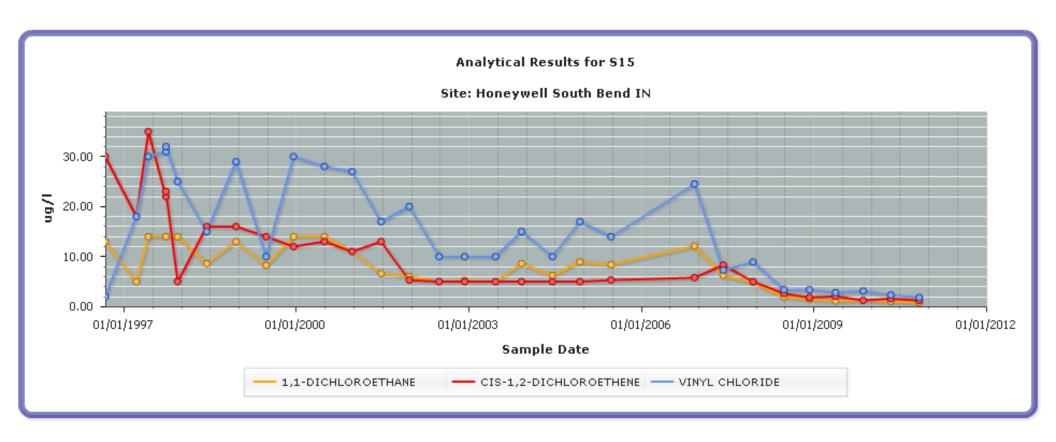


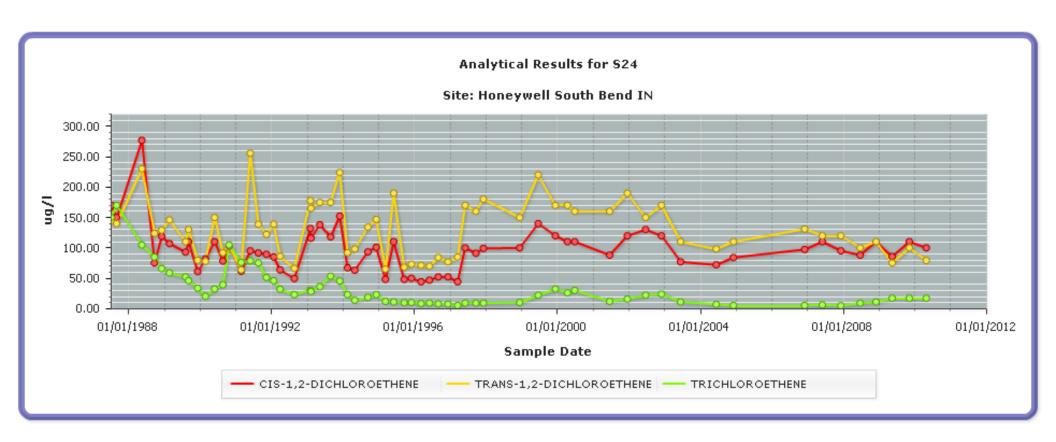


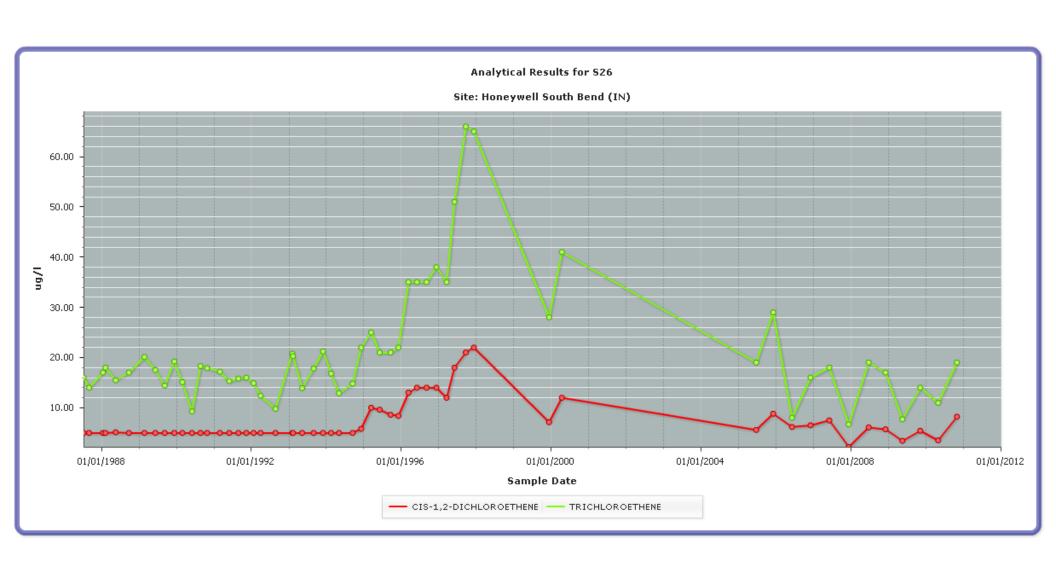


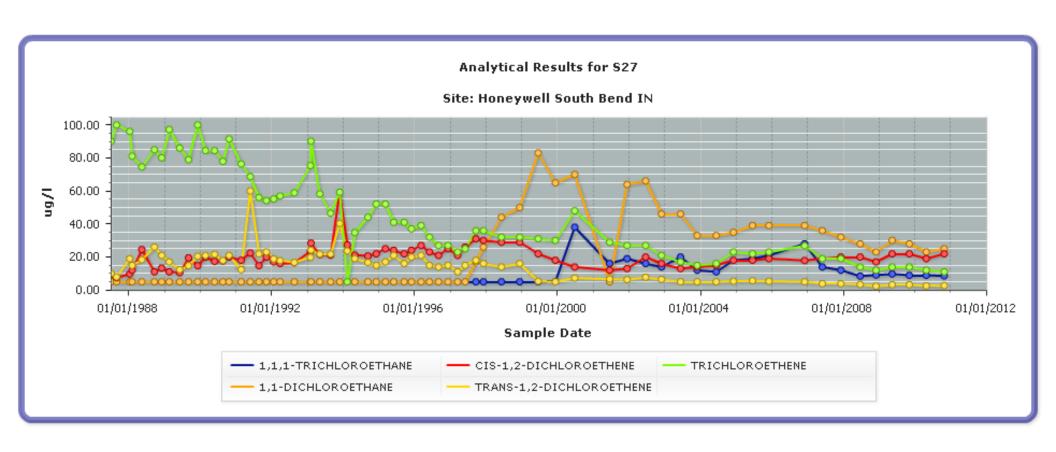


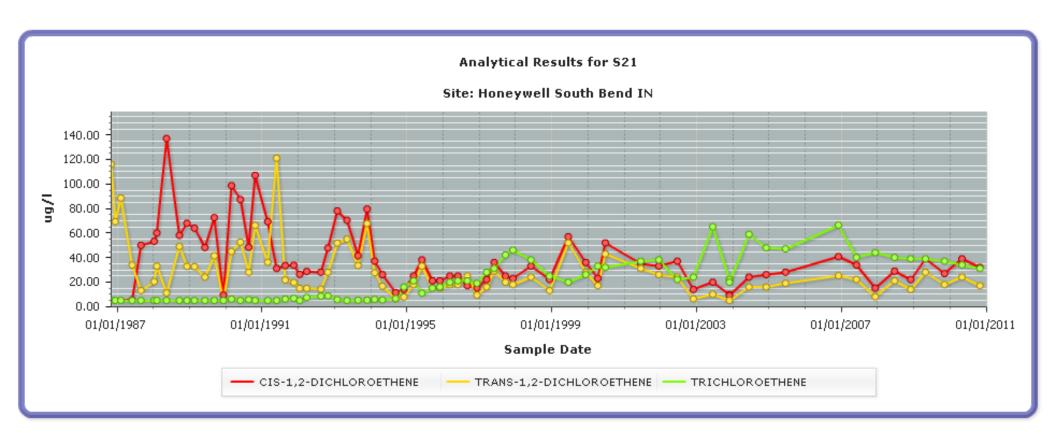


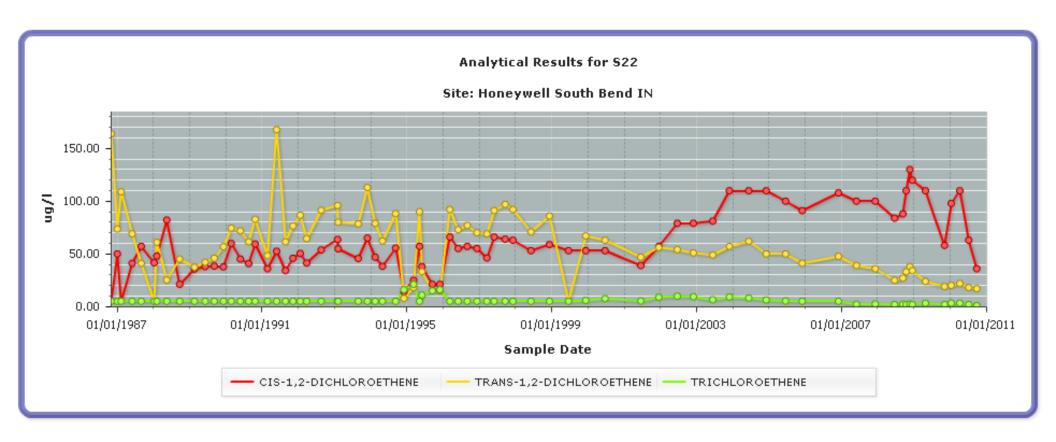


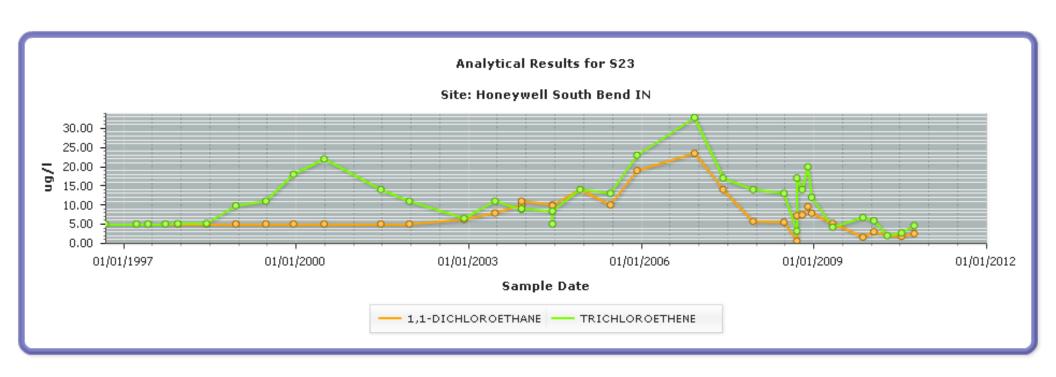


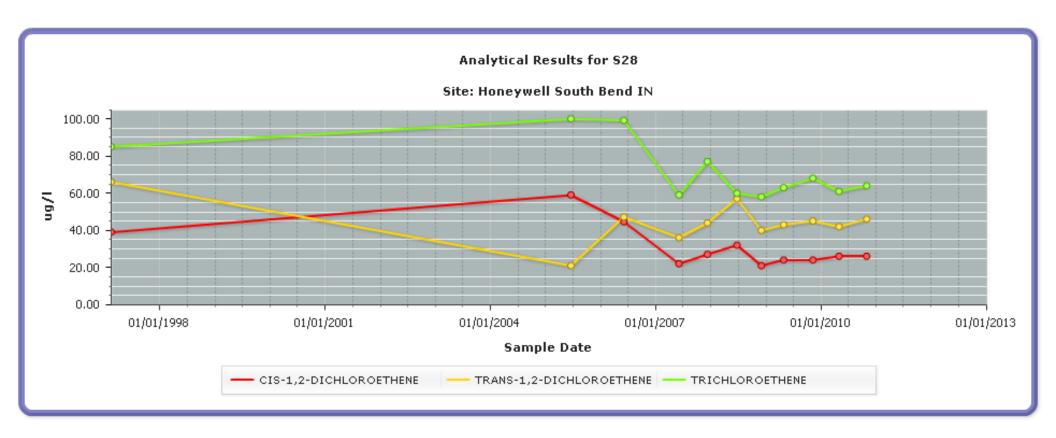


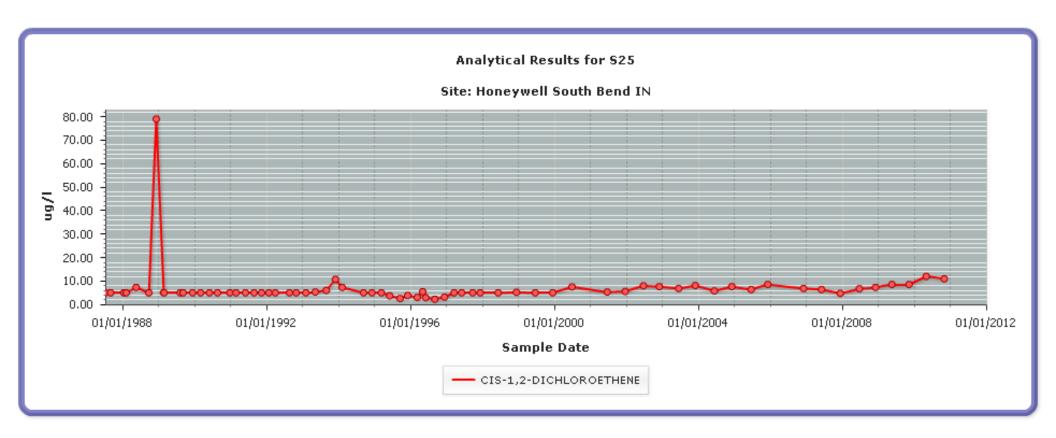


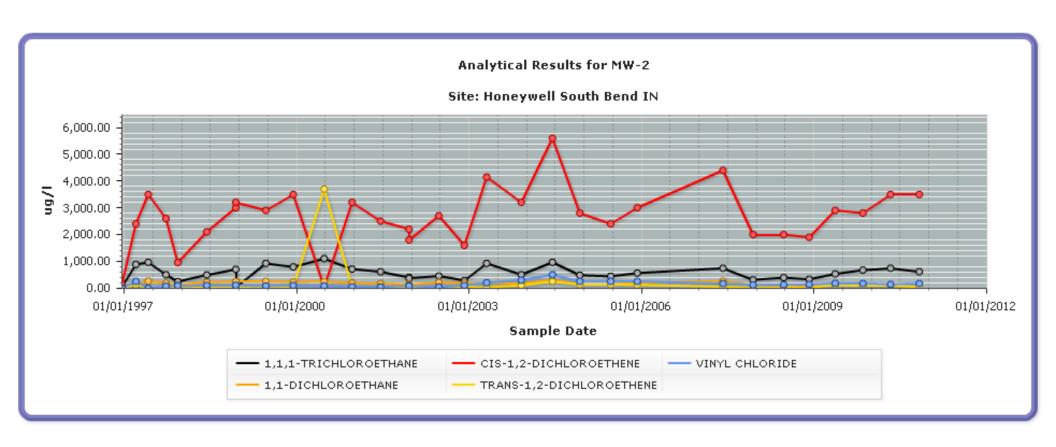


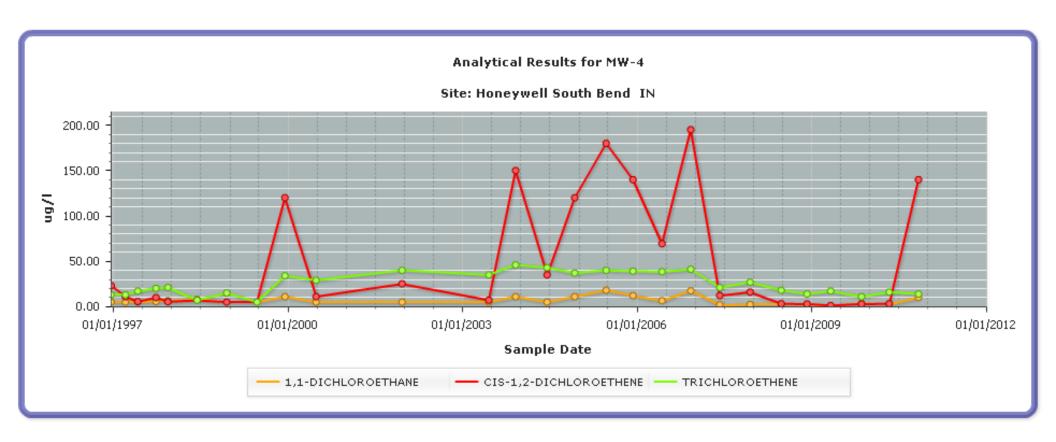


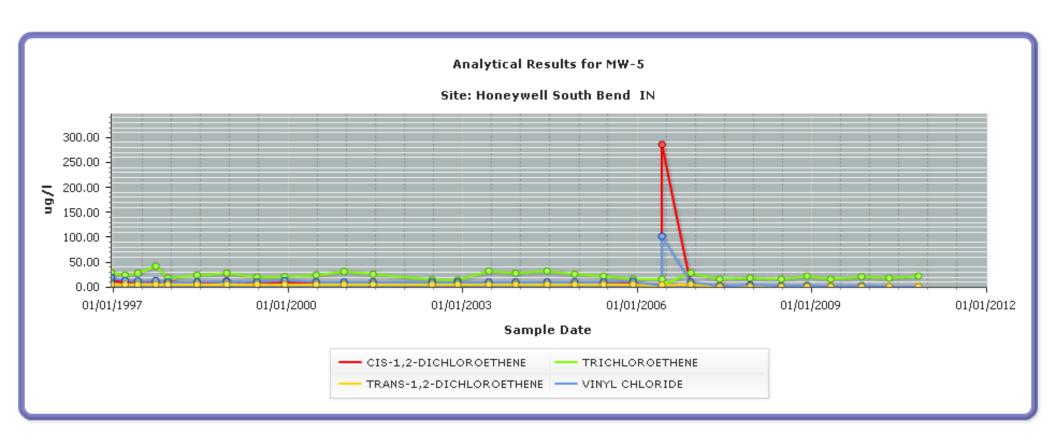


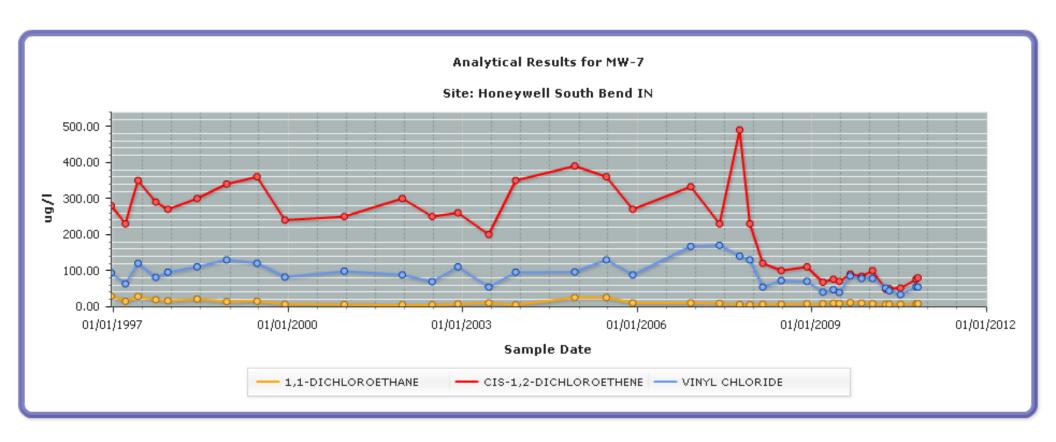


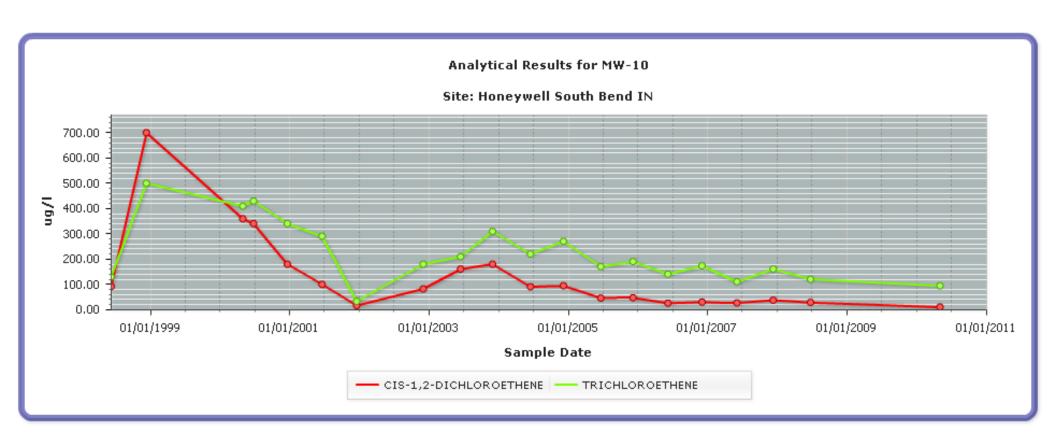


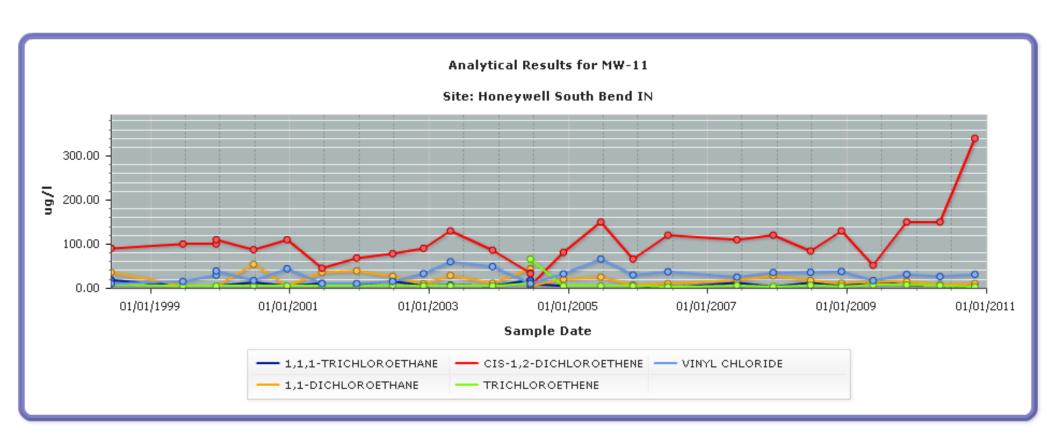


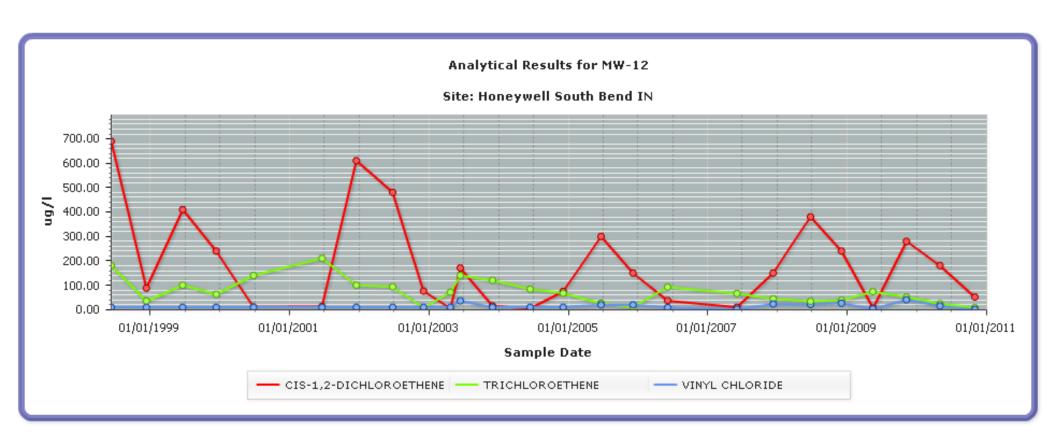


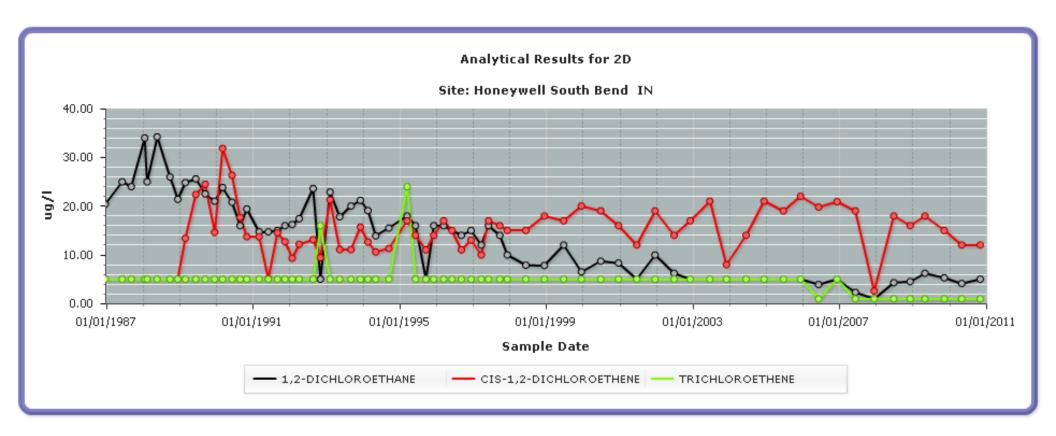


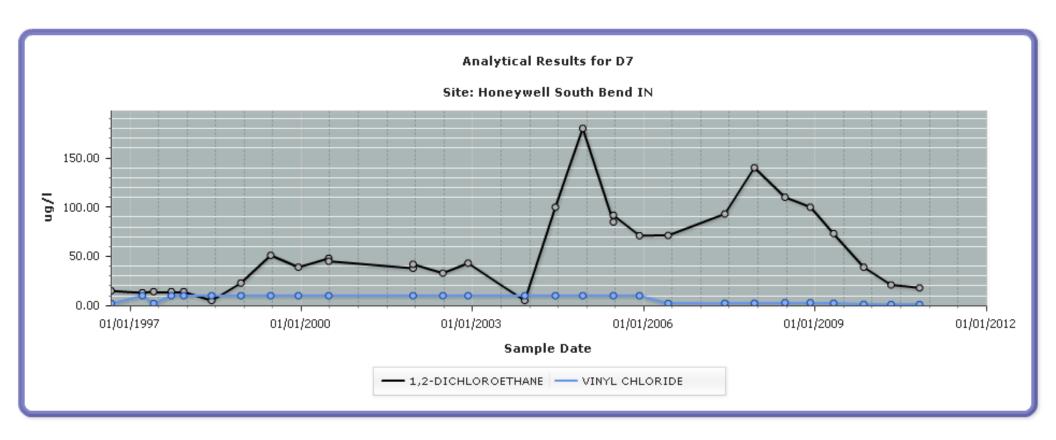


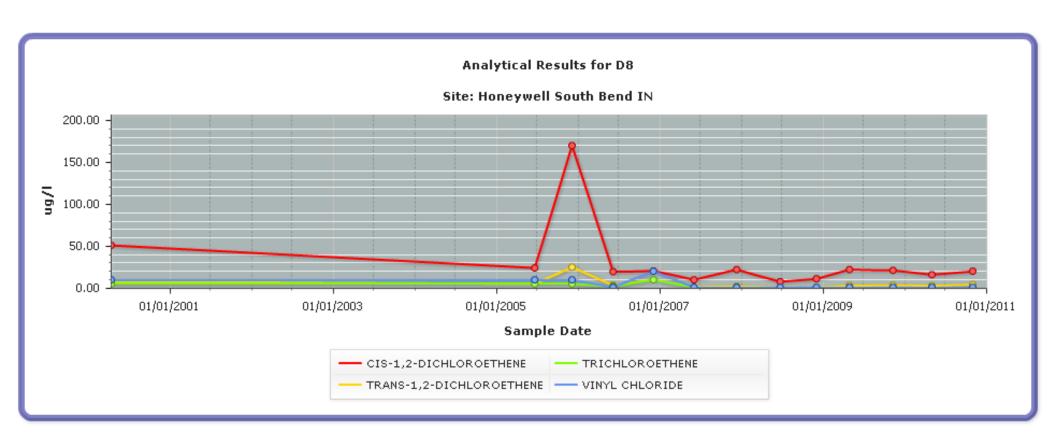


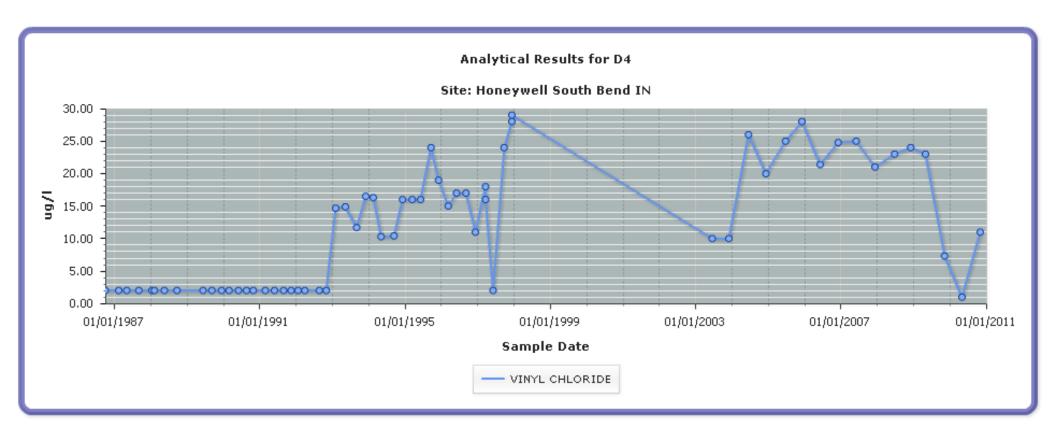


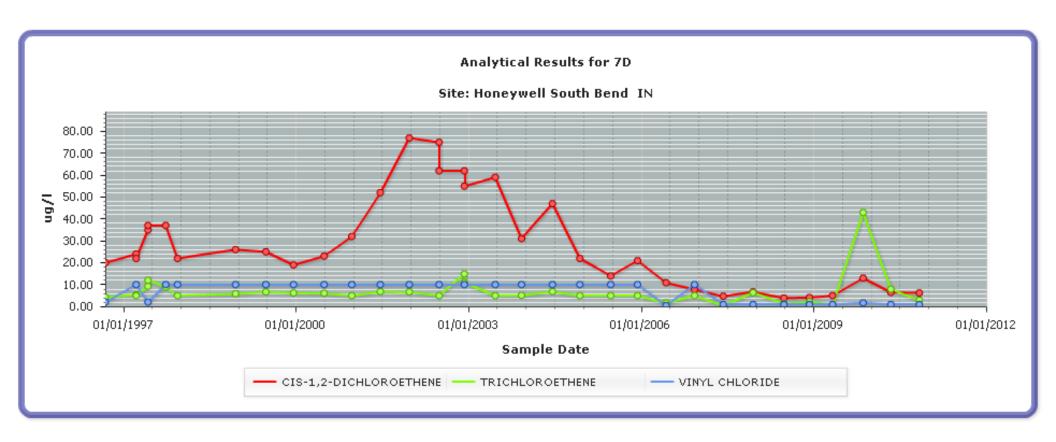


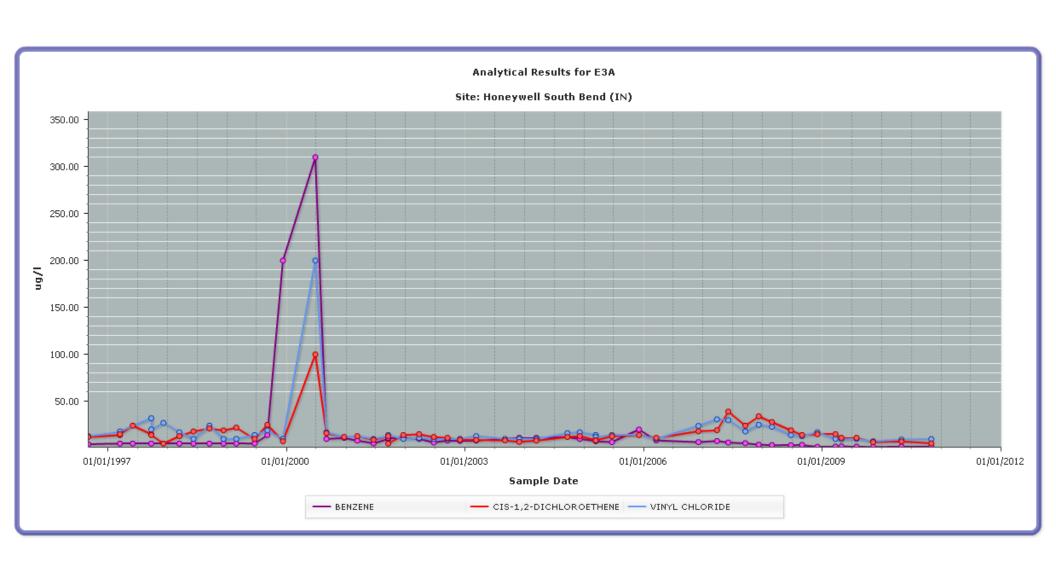


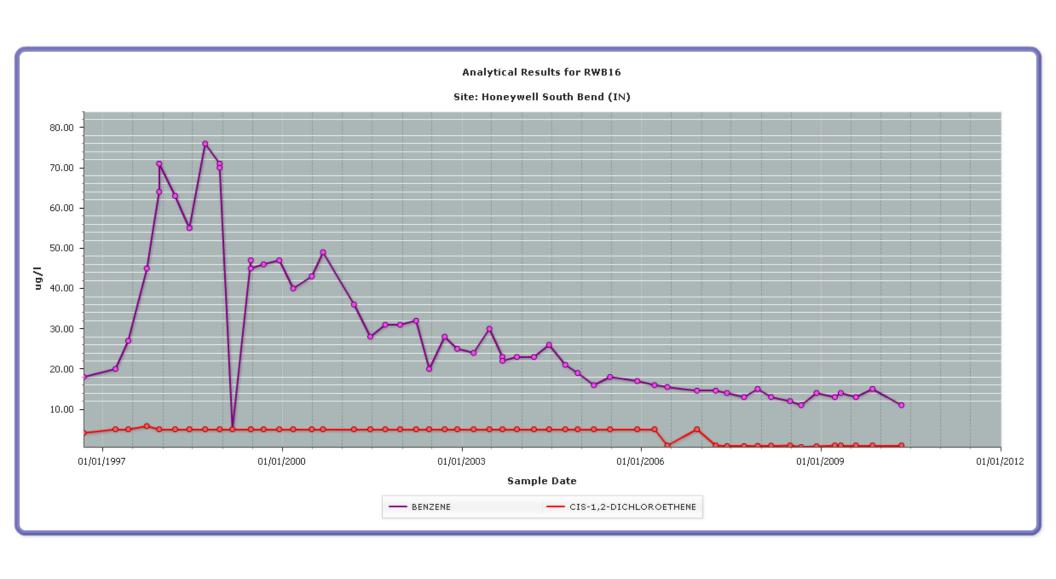


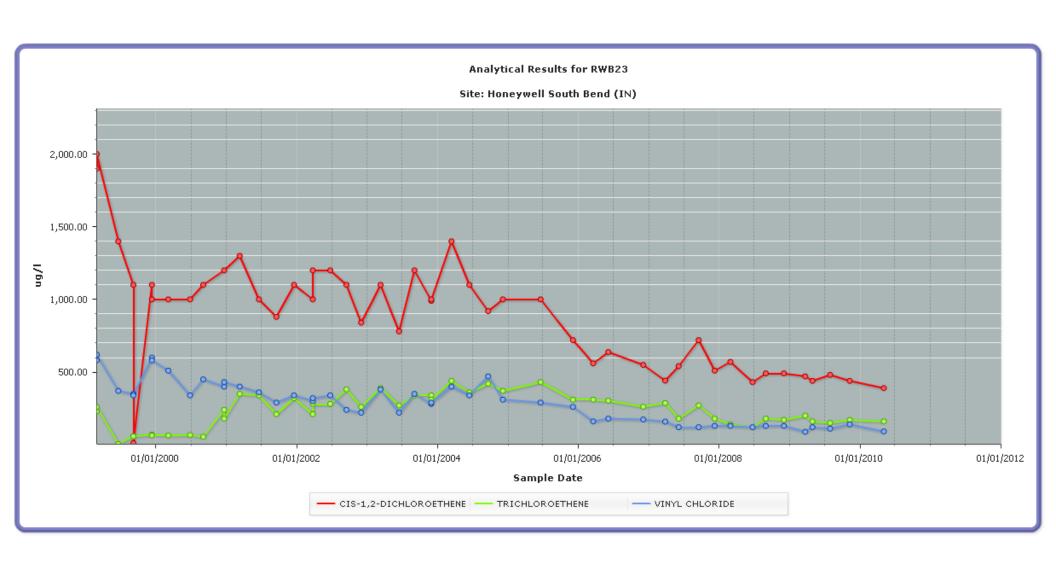


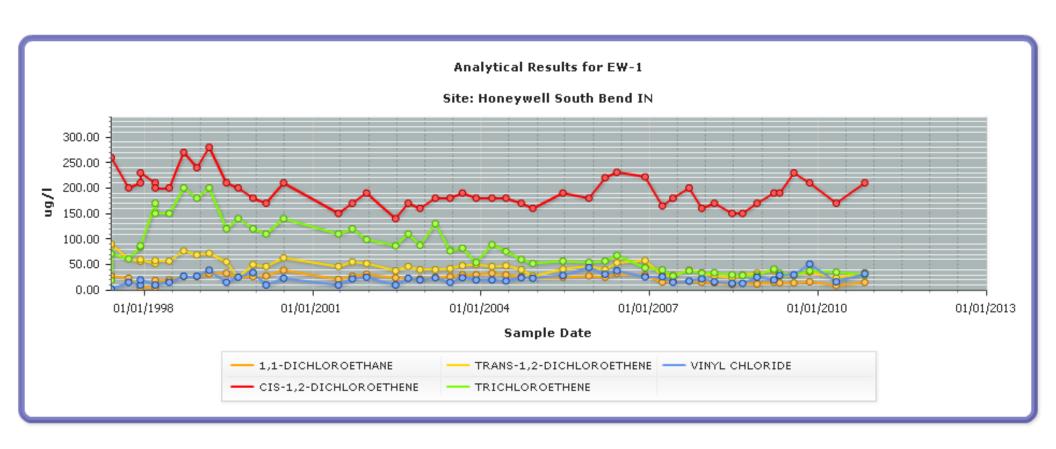


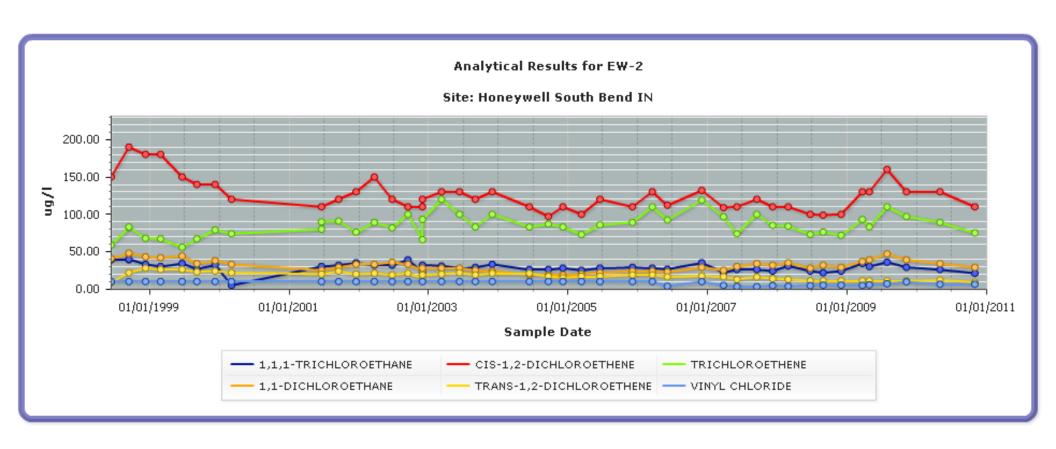


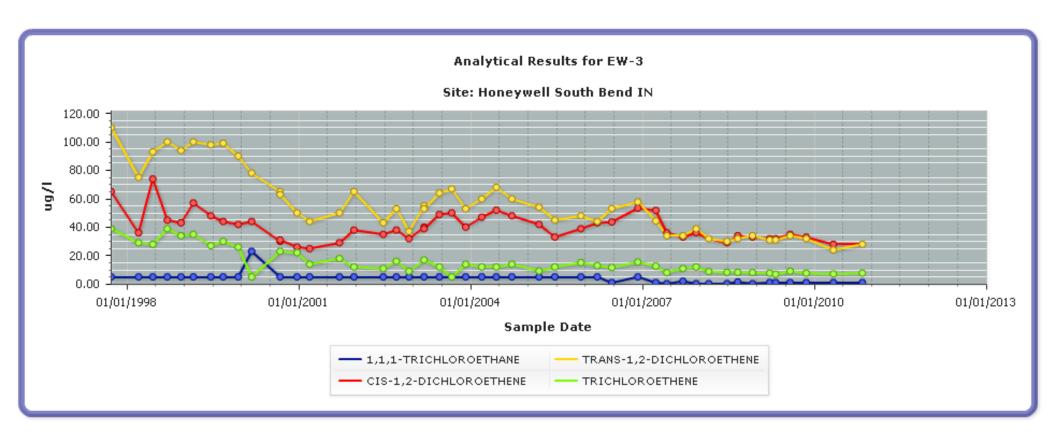


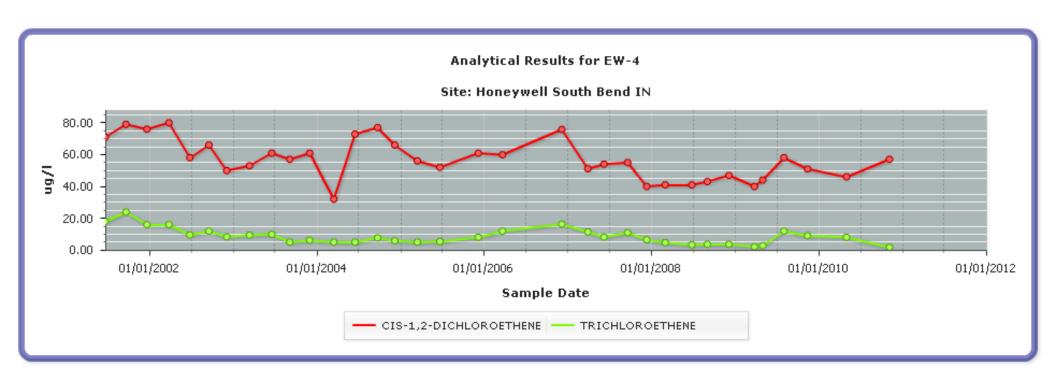


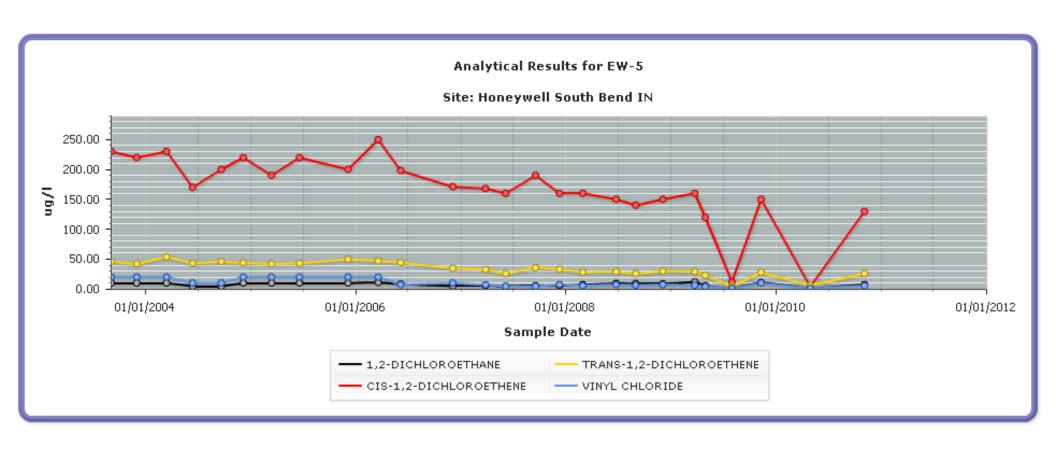












APPENDIX D

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

Project Manager II 4/21/2010 4:49 PM

Approved for release. Mark J. Loeb

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 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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

A0D150524

		REPORTING		ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD
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

PARAMETER	3	ANALYTICAL METHOD				
Phenolics Trace Ind	ely Coupled Plasma (ICP) Metals	SW846 9012A SW846 6010B MCAWW 420.1 SW846 6010B 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 Methods", Third Edition, November 1986	· -				

SAMPLE SUMMARY

A0D150524

WO # SAMPLE# CI	LIENT SAMPLE ID		SAMPLED DATE	SAMP TIME
		•		
LX14L 001 S-	-23 0410		04/14/10	13:15
LX14V 002 S-	-22 0410		04/14/10	11:07
LX14X 003 TF	RIP 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.

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

		REPORTIN	rg
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			-
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-	ND	1.0	ug/L
2-butene			5.
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

Client Sample ID: S-23 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-001 Work Order #...: LX14L1AG Matrix...... WG

PARAMETER RESULT 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
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
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
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
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
trans-1,3-Dichloropropene ND 1.0 ug/L 1,1-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 ND 10 ug/L
(MIBK)
Methyl tert-butyl ether ND 5.0 ug/L
(MTBE)
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- ND 1.0 ug/L
1,2,2-trifluoroethane
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- ND 1.0 ug/L
benzene
1,1,1-Trichloroethane ND 1.0 ug/L

Client Sample ID: S-23 0410

GC/MS Volatiles

Lot-Sample #: A0D150524-001	Work Order #:	LX14L1AG	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	102	(73 - 122)	
1,2-Dichloroethane-d4	103	(61 - 128)	
Toluene-d8	93	(76 - 110)	
4-Bromofluorobenzene	84	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Chromium	: 0109013 ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	04/19-04/20/10	LX14L1AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	04/19-04/20/10	LX14L1AD
Lead	ND	3.0 Dilution Facto	ug/L er: 1	SW846 6010B	04/19-04/20/10	LX14L1AC

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

PARAMETER Cyanide, Total	RESULT ND	RL 0.010 ution Factor	UNITS mg/L or: 1	METHOD SW846 9012A	PREPARATION- ANALYSIS DATE 04/16/10	PREP <u>BATCH #</u> 0106342
Total Phenols	ND Dila	0.040	mg/L or: 1	MCAWW 420.1	04/19/10	0109216

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

		REPORTIN	c
PARAMETER	RESULT	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-	ND	6.7	ug/L
chloropropane (DBCP)			
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-	ND	3.3	ug/L
2-butene			
Dichlorodifluoromethane	ND	3.3	\mathtt{ug}/\mathtt{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

Client Sample ID: S-22 0410

GC/MS Volatiles

Lot-Sample #...: A0D150524-002 Work Order #...: LX14V1AG Matrix...... WG

		DEDODETN	
TO A OT A MERCHINE TO	DECIII M	REPORTIN	
PARAMETER 1 2-Dighlerenrene	<u>RESULT</u> ND	<u>LIMIT</u> 3.3	<u>UNITS</u> ug/L
1,2-Dichloropropane		3.3	- '
1,3-Dichloropropane	ND		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	ND	33	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	17	ug/L
(MTBE)			
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-	ND	3.3	ug/L
1,2,2-trifluoroethane	112	٠.٠	~9/ =
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-	ND	3.3	ug/L
benzene			
1,1,1-Trichloroethane	ND	3.3	ug/L

Client Sample ID: S-22 0410

GC/MS Volatiles

Work Order #:	LX14V1AG	Matrix WG
	REPORTING	INTEG
RESULT		<u>UNITS</u>
ND	3.3	ug/L
PERCENT	RECOVERY	
RECOVERY	LIMITS	
98	(73 - 122)	
105	(61 - 128)	
98	(76 - 110)	
87	(74 - 116)	
	RESULT ND ND ND ND ND PERCENT RECOVERY 98 105 98	RESULT LIMIT ND 3.3 ND 3.3 ND 3.3 ND 3.3 PERCENT RECOVERY RECOVERY LIMITS 98 (73 - 122) 105 (61 - 128) 98 (76 - 110)

Client Sample ID: S-22 0410

DISSOLVED Metals

Lot-Sample #...: A0D150524-002 Matrix....: WG

Date Sampled...: 04/14/10 11:07 Date Received..: 04/15/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	: 0109013					
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/20/10	LX14V1AA
		Dilution Facto	or: 1			
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-04/20/10	LX14V1AD
		Dilution Facto	or: 1			
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/20/10	T V1 / T71 7 C
Leau		Dilution Facto	- 3.	2W040 0010B	04/19-04/20/10	TVT#ATAC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	04/16/10	0106342
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	04/19/10	0109216

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

		REPORTING	
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0D150524-003 Work Order #...: LX14X1AA Matrix.....: WQ

			-~
		REPORTIN	•
PARAMETER	RESULT	LIMIT 1	<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	$\mathtt{ug/L}$
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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			_
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-	ND ND	1.0	ug/L
benzene	7.477	Τ. 0	49/ H
	NTD	1.0	ug/T.
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #: A0D150524-003	Work Order #:	LX14X1AA	Matrix WQ
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	<u>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

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AA Matrix.....: WATER

MB Lot-Sample #: A0D200000-149

Prep Date....: 04/19/10

Analysis Date..: 04/19/10 Prep Batch #...: 0110149

Dilution Factor: 1

1,3-Dichloropropane

		REPORTII	NG	
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B
2-butene				
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
4 0 - 1 1 7		4 0	/	GT:TO 4 C 00 C 0D

(Continued on next page)

1.0

ug/L

SW846 8260B

ND

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AA Matrix.....: WATER

		REPORTII	viC	
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{L}	SW846 8260B
Isopropylbenzene	ND	1.0	\mathtt{ug}/\mathtt{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-	ND	1.0	ug/L	SW846 8260B
benzene				
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-	ND	1.0	ug/L	SW846 8260B
1,2,2-trifluoroethane				
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-	ND	2.0	ug/L	SW846 8260B
chloropropane (DBCP)		4.0	/	GT:70.4.600.6.00
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
(MIBK)	MID	E 0	/ .	CMO16 0260D
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
(MTBE)				

GC/MS Volatiles

Client Lot #: A0D150524	Work Order #	: LX7QV1AA	Matrix WATER
PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	<u>LIMITS</u>	
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	101	(61 - 128)	
Toluene-d8	99	(76 - 110)	
4-Bromofluorobenzene	87	(74 - 116)	
NOTE(S):			

DISSOLVED Metals

Client Lot #...: A0D150524 Matrix....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #		_		109013 SW846 6010B	04/10 04/20/10	*********
Chromium	ND D	5.0 ilution Facto	ug/L or: 1	SW846 6010B	04/19-04/20/10	LX55/IAA
Lead	ND	3.0 ilution Facto	ug/L or: 1	SW846 6010B	04/19-04/20/10	LX5571AC
Nickel	ND	40.0 ilution Facto	ug/L or: 1	SW846 6010B	04/19-04/20/10	LX5571AD
NOTE(S):						

General Chemistry

Client Lot #...: A0D150524

PARAMETER Cyanide, Total	RESULT ND	REPORTING LIMIT Work Order 0.010 Dilution Factor	UNITS #: LX4M61AA mg/L	METHOD MB Lot-Sample #: SW846 9012A	PREPARATION- ANALYSIS DATE AOD160000-342 04/16/10	PREP BATCH # 0106342
Total Phenols	ND	Work Order 0.040 Dilution Factor	mg/L	MB Lot-Sample #: MCAWW 420.1	A0D190000-216 04/19/10	0109216

Matrix....: WATER

NOTE(S):

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
Benzene	100	(80 - 116)	1111	<u> 12 11 11 11 11 11 11 11 11 11 11 11 11 </u>	SW846 8260B
Denzence	100	(80 - 116)	0.37	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	93	(84 - 130)	,,,,,	(0 20)	SW846 8260B
crains 1,5 promotopropone	89	(84 - 130)	4.3	(0-30)	SW846 8260B
Bromoform	90	(76 - 150)		(0 00)	SW846 8260B
22 ***** 2 * 2 * ***	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-	119	(70 - 130)			SW846 8260B
1,2,2-trifluoroethane					
	114	(70 - 130)	4.7	(0-30)	SW846 8260B
Methyl tert-butyl ether	107	(70 - 130)			SW846 8260B
(MTBE)					
	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

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	<u> </u>	RPD	LIMITS	METHOD
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-	87	(70 - 130)			SW846 8260B
propane					
	91	(70 - 130)	4.7	(0-30)	SW846 8260B
1,2,4-Trichloro-	99	(70 - 130)			SW846 8260B
benzene					
	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
				, ,	

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX7QV1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: A0D200000-149 LX7QV1AD-LCSD

	PERCENT	RECOVERY	RPD	·
PARAMETER	RECOVERY	LIMITS	RPD LIM	ITS METHOD
1,3-Dichloropropane	99	(70 - 130)		SW846 8260B
- -	99	(70 - 130)	0.43 (0-3	30) SW846 8260B
2,2-Dichloropropane	106	(70 - 130)		SW846 8260B
	105	(70 - 130)	0.75 (0-3	30) SW846 8260B
1,1-Dichloropropene	104	(70 - 130)		SW846 8260B
- - - - - -	103	(70 - 130)	0.74 (0-3	30) SW846 8260B
Hexachlorobutadiene	97	(70 - 130)		SW846 8260B
	91	(70 - 130)	6.7 (0-3	30) SW846 8260B
Iodomethane	107	(70 - 130)		SW846 8260B
	107	(70 - 130)	0.21 (0-3	30) SW846 8260B
p-Isopropyltoluene	97	(70 - 130)		SW846 8260B
	97	(70 - 130)	0.14 (0-3	30) SW846 8260B
Naphthalene	88	(70 - 130)		SW846 8260B
	82	(70 - 130)	7.6 (0-3	30) SW846 8260B
n-Propylbenzene	100	(70 - 130)		SW846 8260B
	99	(70 - 130)	0.86 (0-3	30) SW846 8260B
1,1,1,2-Tetrachloroethane	98	(70 - 130)		SW846 8260B
	94	(70 - 130)	4.4 (0-3	30) SW846 8260B
1,2,3-Trichlorobenzene	95	(70 - 130)		SW846 8260B
	89	(70 - 130)	7.0 (0-3	30) SW846 8260B
1,2,3-Trichloropropane	104	(70 - 130)		SW846 8260B
	107	(70 - 130)	3.0 (0-3	30) SW846 8260B
1,2,4-Trimethylbenzene	98	(70 - 130)		SW846 8260B
	97	(70 - 130)	0.71 (0-3	30) SW846 8260B
1,3,5-Trimethylbenzene	95	(70 - 130)		SW846 8260B
	96	(70 - 130)	0.67 (0-3	30) SW846 8260B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	LIMITS	_
Dibromofluoromethane		87	(73 - 122)	ı
		102	(73 - 122)	ı
1,2-Dichloroethane-d4		87	(61 - 128)	r
		99	(61 - 128)	r
Toluene-d8		90	(76 - 110)	ı
		103	(76 - 110)	
4-Bromofluorobenzene		101	(74 - 116)	ı
		109	(74 - 116)	r

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results. Bold print denotes control parameters

DISSOLVED Metals

Client Lot #:	A0D150524			Matrix	: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Chromium	A0D190000- 94			04/19-04/20/10	LX5571AE
Lead	100	(80 - 120) Dilution Factor	SW846 6010B	04/19-04/20/10	LX5571AF
Nickel	90 .	(80 - 120) Dilution Facto	SW846 6010B	04/19-04/20/10	LX5571AG
NOTE(S):					

General Chemistry

Client Lot #	: A0D150524		Matrix	.: WATER
5 s V			•	
	PERCENT	RECOVERY	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS METHOD	ANALYSIS DATE	BATCH #
Cyanide, Total		Work Order #: LX4M61AC LCS	Lot-Sample#: A0D160000	-342
	100	(69 - 118) SW846 9012A	04/16/10	0106342
		Dilution Factor: 1		
Total Phenols		Work Order #: LX6PT1AC LCS	Lot-Sample#: A0D190000	-216
	88	(54 - 137) MCAWW 420.1	04/19/10	0109216
		Dilution Factor: 1		

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

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

Name		PERCENT	RECOVERY		RPD	
Chloromethane		RECOVERY_	<u>LIMITS</u>	RPD_	LIMITS	METHOD
Chloromethane	1,1-Dichloroethene	112	(62 - 130)		•	SW846 8260B
Brommethane		101		11	(0-20)	SW846 8260B
Bromomethane	Chloromethane	96	(40 - 137)			SW846 8260B
Vinyl chloride		84	(40 - 137)	13	(0-39)	SW846 8260B
Vinyl chloride 110 (88 - 126) 14 (0-30) SW846 8260B Chloroethane 94 (59 - 142) - SW846 8260B Methylene chloride 96 (82 - 115) - SW846 8260B Methylene chloride 96 (82 - 115) - SW846 8260B Acetone 82 (45 - 128) 13 (0-30) SW846 8260B Acetone 82 (45 - 128) 13 (0-30) SW846 8260B Carbon disulfide 115 (69 - 138) 9.7 (0-41) SW846 8260B 1,1-Dichloroethane 105 (88 - 127) 88 8260B 8260B 1,1-Dichloroethane 99 (83 - 141) 6.9 (0-30) SW846 8260B 1,2-Dichloroethane 97 (71 - 160) 88 (97 - 30) SW846 8260B Methyl ethyl ketone 97 (71 - 160) 88 (71 - 123) 9.1 (0-30) SW846 8260B </td <td>Bromomethane</td> <td>79</td> <td>(55 - 145)</td> <td></td> <td></td> <td>SW846 8260B</td>	Bromomethane	79	(55 - 145)			SW846 8260B
Chloroethane 92 (88 - 126) 14 (0-30) SW846 8260B 8260B 86 (59 - 142) SW846 8260B 8260B 86 (59 - 142) 9.2 (0-30) SW846 8260B 86 (59 - 142) 9.2 (0-30) SW846 8260B 8260B 86 (82 - 115) SW846 8260B 8260B 90 (82 - 115) SW846 8260B 8260B 8260D 826		71	(55 - 145)	10	(0-30)	SW846 8260B
Chloroethane	Vinyl chloride	110	(88 - 126)			SW846 8260B
Methylene chloride 86 (59 - 142) 9.2 (0-30) SW846 8260B Methylene chloride 96 (82 - 115) 6.3 (0-30) SW846 8260B Acetone 82 (45 - 128) SW846 8260B SW846 8260B Carbon disulfide 115 (69 - 138) (0-30) SW846 8260B 104 (69 - 138) 9.7 (0-41) SW846 8260B 1,1-Dichloroethane 105 (88 - 127) 6.2 (0-30) SW846 8260B Chloroform 98 (88 - 127) 6.2 (0-30) SW846 8260B Chloroform 99 (83 - 141) 6.9 (0-30) SW846 8260B 1,2-Dichloroethane 97 (71 - 160) 0.39 (0-30) SW846 8260B Methyl ethyl ketone 97 (71 - 160) 0.39 (0-30) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) 0.39 (0-30) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) 0.2 (0-30) SW846 8260B Bromodichloromethane 103 (63 - 176) 9.2 (0-30)		92	(88 - 126)	14	(0-30)	SW846 8260B
Methylene chloride 96 (82 - 115) SW846 8260B Acetone 82 (45 - 128) SW846 8260B Acetone 82 (45 - 128) 13 (0-30) SW846 8260B Carbon disulfide 115 (69 - 138) 0-30) SW846 8260B 1,1-Dichloroethane 105 (88 - 127) SW846 8260B 1,1-Dichloroethane 98 (88 - 127) 6.2 (0-30) SW846 8260B Chloroform 99 (83 - 141) SW846 8260B	Chloroethane	94	(59 - 142)			SW846 8260B
Acetone 82 (45 - 115) 6.3 (0-30) SW846 8260B 826 (45 - 128) SW846 8260B 8260B 72 (45 - 128) 13 (0-30) SW846 8260B 8260B 115 (69 - 138) SW846 8260B 8260B 104 (69 - 138) SW846 8260B 8260B 1,1-Dichloroethane 105 (88 - 127) SW846 8260B 8260B 8260B 98 (88 - 127) SW846 8260B		86	(59 - 142)	9.2	(0-30)	SW846 8260B
Acetone 82 (45 - 128)	Methylene chloride	96	(82 - 115)			SW846 8260B
Carbon disulfide		90	(82 - 115)	6.3	(0-30)	SW846 8260B
Carbon disulfide 115 (69 - 138)	Acetone	82	(45 - 128)			SW846 8260B
1,1-Dichloroethane		72	(45 - 128)	13	(0-30)	SW846 8260B
1,1-Dichloroethane	Carbon disulfide	115	(69 - 138)			SW846 8260B
Chloroform 99 (83 - 141) 6.2 (0-30) SW846 8260B 93 (83 - 141) 6.9 (0-30) SW846 8260B 93 (83 - 141) 6.9 (0-30) SW846 8260B 93 (83 - 141) 6.9 (0-30) SW846 8260B 97 (71 - 160) 0.39 (0-30) SW846 8260B 97 (71 - 160) 0.39 (0-30) SW846 8260B 97 (71 - 123) 9.1 (0-30) SW846 8260B 88 (71 - 123) 9.1 (0-30) SW846 8260B 95 (71 - 162) 6.2 (0-30) SW846 8260B 95 (71 - 162) 6.2 (0-30) SW846 8260B 95 (62 - 130) SW846 8260B 94 (83 - 146) 1.1 (0-30) SW846 8260B 94 (63 - 176) 9.2 (0-30) SW846 8260B 94 (63 - 176) 9.2 (0-30) SW846 8260B 94 (63 - 176) 9.2 (0-30) SW846 8260B 94 (63 - 146) 1.1 (0-30) SW846 8260B 95 (87 - 114) 0.59 (0-30) SW846 8260B 99 (87 - 114) 0.59 (0-30) SW846 8260B 99 (87 - 114) 0.59 (0-30) SW846 8260B 99 (86 - 130) 4.2 (0-30) SW846 8260B 95 (62 - 130) 0.36 (0-20) SW846 8260B 95 (62 - 130) 0.36 (0-20) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B 95 (71 - 158) 0.76 (0-30) SW846 8260B SW846 8260B		104	(69 - 138)	9.7	(0-41)	SW846 8260B
Chloroform 999 (83 - 141) 6.9 (0-30) SW846 8260B 1,2-Dichloroethane 97 (71 - 160) SW846 8260B Methyl ethyl ketone 97 (71 - 160) SW846 8260B Methyl ethyl ketone 88 (71 - 123) 9.1 (0-30) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) SW846 8260B Carbon tetrachloride 103 (63 - 176) SW846 8260B Bromodichloromethane 104 (80 - 146) SW846 8260B Bromodichloromethane 104 (80 - 146) SW846 8260B 1,2-Dichloropropane 100 (87 - 114) SW846 8260B 1,2-Dichloropropane 84 (82 - 130) SW846 8260B Cis-1,3-Dichloropropene 84 (82 - 130) SW846 8260B Trichloroethene 95 (62 - 130) SW846 8260B Chlorodibromomethane 94 (71 - 158) SW846 8260B Chlorodibromomethane 99 (86 - 129) SW846 8260B SW846 8260B SW846 8260B SW846 8260B	1,1-Dichloroethane	105	(88 - 127)			SW846 8260B
1,2-Dichloroethane		98	(88 - 127)	6.2	(0-30)	SW846 8260B
1,2-Dichloroethane 97 (71 - 160)	Chloroform	99	(83 - 141)			SW846 8260B
Methyl ethyl ketone 97 (71 - 160) 0.39 (0-30) SW846 8260B Methyl ethyl ketone 97 (71 - 123) 9.1 (0-30) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) 5W846 8260B 8260B 1,1,1-Trichloroethane 101 (71 - 162) 6.2 (0-30) SW846 8260B Carbon tetrachloride 103 (63 - 176) 9.2 (0-30) SW846 8260B Bromodichloromethane 104 (80 - 146) 9.2 (0-30) SW846 8260B 1,2-Dichloropropane 100 (87 - 114) 0.59 (0-30) SW846 8260B cis-1,3-Dichloropropene 84 (82 - 130) 4.2 (0-30) SW846 8260B Trichloroethene 95 (62 - 130) 4.2 (0-30) SW846 8260B Chlorodibromomethane 94 (71 - 158) 0.76 (0-20) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B SW846 8260B		93	(83 - 141)	6.9	(0-30)	SW846 8260B
Methyl ethyl ketone 97 (71 - 123) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) 6.2 (0-30) SW846 8260B Carbon tetrachloride 103 (63 - 176) SW846 8260B SW846 8260B Bromodichloromethane 104 (80 - 146) SW846 8260B SW846 8260B 1,2-Dichloropropane 100 (87 - 114) SW846 8260B SW846 8260B 1,2-Dichloropropane 84 (82 - 130) SW846 8260B SW846 8260B cis-1,3-Dichloropropene 84 (82 - 130) SW846 8260B SW846 8260B Trichloroethene 95 (62 - 130) 0.36 (0-20) SW846 8260B Chlorodibromomethane 94 (71 - 158) 0.76 (0-30) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B SW846 8260B	1,2-Dichloroethane	97	(71 - 160)			SW846 8260B
1,1,1-Trichloroethane 101 (71 - 123) 9.1 (0-30) SW846 8260B 1,1,1-Trichloroethane 101 (71 - 162) 6.2 (0-30) SW846 8260B Carbon tetrachloride 103 (63 - 176) SW846 8260B Bromodichloromethane 104 (80 - 146) SW846 8260B Bromodichloromethane 103 (80 - 146) 1.1 (0-30) SW846 8260B 1,2-Dichloropropane 100 (87 - 114) SW846 8260B 1,2-Dichloropropene 84 (82 - 130) SW846 8260B cis-1,3-Dichloropropene 84 (82 - 130) SW846 8260B Trichloroethene 95 (62 - 130) 4.2 (0-30) SW846 8260B Chlorodibromomethane 94 (71 - 158) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B		97	(71 - 160)	0.39	(0-30)	SW846 8260B
1,1,1-Trichloroethane 101 (71 - 162) SW846 8260B 95 (71 - 162) 6.2 (0-30) SW846 8260B	Methyl ethyl ketone	97	(71 - 123)			SW846 8260B
Carbon tetrachloride 103 (63 - 176) 5W846 8260B 94 (63 - 176) 9.2 (0-30) 5W846 8260B 94 (63 - 176) 9.2 (0-30) 5W846 8260B SW846 8260B 94 (63 - 176) 9.2 (0-30) 5W846 8260B SW846 8260B 103 (80 - 146) 1.1 (0-30) 5W846 8260B 103 (80 - 146) 1.1 (0-30) 5W846 8260B 103 (87 - 114) 5W846 8260B 103 SW846 8260B		88	(71 - 123)	9.1	(0-30)	SW846 8260B
Carbon tetrachloride 103 (63 - 176) 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 1,3-Dichloropropene 84 (82 - 130) SW846 8260B 1,3-Dichloropropene 84 (82 - 130) SW846 8260B Trichloroethene 95 (62 - 130) 4.2 (0-30) SW846 8260B Chlorodibromomethane 94 (71 - 158) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B	1,1,1-Trichloroethane	101	(71 - 162)			SW846 8260B
Bromodichloromethane 104 (80 - 146) 9.2 (0-30) SW846 8260B		95	(71 - 162)	6.2	(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 260B 260B 260B 260B 260B 260B 260B	Carbon tetrachloride	103	(63 - 176)			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 Chlorodibromomethane 94 (71 - 158) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B		94	(63 - 176)	9.2	(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) 0.36 (0-20) SW846 8260B Chlorodibromomethane 94 (71 - 158) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B	Bromodichloromethane	104	(80 - 146)			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 Chlorodibromomethane 94 (71 - 158) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B		103	(80 - 146)	1.1	(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) 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	1,2-Dichloropropane	100	(87 - 114)			SW846 8260B
80 a (82 - 130) 4.2 (0-30) SW846 8260B Trichloroethene 95 (62 - 130) SW846 8260B Chlorodibromomethane 94 (71 - 158) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B		99	(87 - 114)	0.59	(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	cis-1,3-Dichloropropene	84	(82 - 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		80 a	(82 - 130)	4.2	(0-30)	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	Trichloroethene	95	(62 - 130)			SW846 8260B
95 (71 - 158) 0.76 (0-30) SW846 8260B 1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B		95	(62 - 130)	0.36	(0-20)	SW846 8260B
1,1,2-Trichloroethane 99 (86 - 129) SW846 8260B	Chlorodibromomethane	94	(71 - 158)			SW846 8260B
·		95	(71 - 158)	0.76	(0-30)	SW846 8260B
98 (86 - 129) 1.1 (0-30) SW846 8260B	1,1,2-Trichloroethane	99	(86 - 129)			SW846 8260B
	•	98	(86 - 129)	1.1	(0-30)	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix..... WG

MS Lot-Sample #: A0D150524-002 LX14V1AJ-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS_	METHOD
I AI(AIIII I III	RECOVERCE	<u> </u>	1(11)	<u> </u>	11100
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
2,2,2 02222020303	100	(70 - 130)	12	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	97	(70 - 130)			SW846 8260B
(11122)	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
1002102110	75	(70 - 130)	2.1	(0-30)	SW846 8260B
	, _	(,0 100)	٠. ـ	(0 00)	5 02005

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix.....: WG

MS Lot-Sample #: A0D150524-002 LX14V1AJ-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	<u>RPD</u>	RPD LIMITS	METHOD
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)		(0.00)	SW846 8260B
	103	(70 - 130)	3.9	(0-30)	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0D150524 Work Order #...: LX14V1AH-MS Matrix...... WG

·	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS	_
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):

 $\label{lem:calculations} \textbf{Calculations} \ \textbf{are} \ \textbf{performed} \ \textbf{before} \ \textbf{rounding} \ \textbf{to} \ \textbf{avoid} \ \textbf{round-off} \ \textbf{errors} \ \textbf{in} \ \textbf{calculated} \ \textbf{results}.$

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

DISSOLVED Metals

Client Lot #...: A0D150524 Matrix.....: WG

Date Sampled...: 04/14/10 13:15 Date Received..: 04/15/10

PARAMETER	PERCENT RECOVERY	RECOVERY RPD- LIMITS RPD LIMITS	METHOD	PREPARATION- WORK ANALYSIS DATE ORDER #
MS Lot-Sampl	.e #: A0D15	0524-001 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	0.0	(75 125)	SW846 6010B	04/19-04/20/10 LX14L1AM
Nickei	98	(75 - 125)		04/19-04/20/10 LX14L1AN
	96	(75 - 125) 1.6 (0-20) Dilution Factor: 1	SW846 6UIUB	04/19-04/20/10 LX14L1AN

NOTE(S):

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0D150524 Matrix....: WATER

Date Sampled...: 04/14/10 08:30 Date Received..: 04/14/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD <u>RPD</u> <u>LIMITS</u>	METHOD	PREPARATION- PREP ANALYSIS DATE BATCH #
Total Cyanide	е	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
		Dilut	ion Factor: 1		
Total Phenol:	S	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
		Dilut	ion Factor: 1		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client MACTEC Chain of Custody Record Sample I.D. No. and Description (Containers for each sample may be combined on one line) TAL-4124 (1007) Comments Relinquished By 24 Hotirs Possible Hazard Identification Mon-Hazard · ☐ Flammable oject Name and Location (Slap) Types OpperCounte No.
U | S3286 の三の Skin Irritant Jane 14 Days ☐ Polson B 4-14-10 4-14-10 ☐ 21 Days Date ☐ Unknown 1107 255 Time Date □ Other_ Site Contact Drinking Water? Yes□ No□ Carrier/Waybill Number Temperature on Receipt __ Air ☐ Return To Client Matrix · Sed. Time Time でいる (Area Code)/Fax Number Soil Murray Lab Contact Unpres Disposal By Lab Archive For MAIK 3. Received By DC Requirements (Specify) 2. Received By H2SO4 Containers & Preservatives HNO3 W س HCI NaOH ZnAc/ NaOH THE LEADER IN ENVIRONMENTAL JESTING estAmerica Analysis (Attach list if more space is needed) Date Lab Numbe Months (A fee may be assessed if samples are retained longer than 1 month) Page Chain of Custody Number Date Special Instructions/ Conditions of Receipt 920 Time Time 40 of 43

	er Receipt Form/Narrative Lot N	
North Canton Faci	lity LOI N	umber: 40D/S0524
Client Mactec		
Cooler Received on	4-15-10 Project HON - South But Opened on 4-15-18	- V
FedEx DH	L FAS Stetson Client Drop Off T Toots marine	(Signature)
I ESPAINENCE COOKE #_	Multiple Coolers IXI Foam Boy [7] Client	Cooler Other
1. Were custody seals	on the outside of the cooler(s)? Yes 🗵 No 🗌 Intact?	Cooler ☐ Other Yes ☒ No ☐ NA ☐
If YES, Quantity_		I ES DA INO LI NA LI
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	y exceptions?	. 95 <u>— 140 P</u> J
2. Shippers' packing sli	ip attached to the cooler(s)?	Yes 【 No □
3. Did custody papers a	accompany the sample(s)? Yes 🗓 No 🗌 Rel	linquished by client? Yes ☑ No □
4. Were the custody pa	ipers signed in the appropriate place?	Yes ☑ No □
5. Packing material use	ed: Bubble Wrap 🚺 Foam 🗌 None 🔲 Other	
	upon receipt °C See back of form for multi	ple coolers/temps 🔀
	IR LU Other LI	
COOLANT: Wet I	lce ☑ Blue lce ☐ Dry lce ☐ Water ☐ None	
7. Did all bottles arrive	in good condition (Unbroken)?	Yes 🖊 No 🗌
o. Could all bottle labelt	s be reconciled with the COC?	Yes 🔼 No 🗌
9. Were sample(s) at the	ne correct pH upon receipt?	Yes No NA
11. Were air bubbles >6	s) used for the test(s) indicated?	Yes No
12 Sufficient quantity ro	mm in any VOA viais?	Yes No No NA
12. Ournoletti qualittiy ret	ceived to perform indicated analyses?	Yes No
Contacted PM	sent in the cooler(s)? Yes 🖊 No 🗌 Were VOAs on the	e COC? Yes. No 🗆
Concerning	by via	Verbal ☐ Voice Mail ☐ Other ☐
14 CHAIN OF CUSTOL		
The following discrepanc	***************************************	
15 SAMPLE CONDITIO		
15 SAMPLE CONDITIO Sample(s)		nended holding time had expired.
15 SAMPLE CONDITIO Sample(s) Sample(s)	were received after the recomm	e received in a broken container.
15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s)	were received after the recommunity were received with bubble	
15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s)	were received after the recomm were were received with bubble	e received in a broken container. e >6 mm in diameter. (Notify PM)
15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16 SAMPLE PRESERV Sample(s)	were received after the recomm were were received with bubble ATION	e received in a broken container. e>6 mm in diameter. (Notify PM)
15SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16SAMPLE PRESERV Sample(s) Receiving to meet recom	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNOs. Suffuric Acid	e received in a broken container. > > 6 mm in diameter. (Notify PM) her preserved in Sample
15SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16SAMPLE PRESERV. Sample(s) Receiving to meet recom Hydroxide Lot# 100108 -Nac	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCI: Sodium Hydroxide and Z	e received in a broken container. > > 6 mm in diameter. (Notify PM) her preserved in Sample
15SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16SAMPLE PRESERV. Sample(s) Receiving to meet recom Hydroxide Lot# 100108 -Nac	were received after the recomm were were received with bubble ATION were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNOs, Sulfuric Acid OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Z at time was preservative added to sample(s)?	e received in a broken container. > 6 mm in diameter. (Notify PM) the preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium linc Acetate Lot# 100108-
15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16 SAMPLE PRESERV Sample(s) Receiving to meet recom Hydroxide Lot# 100108 -Nac (CH ₃ COO) ₂ ZN/NaOH. Wha	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO _s ; Sulfuric Acid OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH	e received in a broken container. e >6 mm in diameter. (Notify PM) er preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-
15 SAMPLE CONDITIO Sample(s) Sample(s) 16 SAMPLE PRESERV. Sample(s) Receiving to meet recom Hydroxide Lot# 100108 -Nat (CH ₃ COO) ₂ ZN/NaOH. Wha	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCi; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH	e received in a broken container. > 6 mm in diameter. (Notify PM) her preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-
#15:::SAMPLE CONDITION Sample(s) Sample(s) #16:::SAMPLE PRESERV Sample(s) Receiving to meet recome Hydroxide Lot# 100108 -Nac (CH3COO)2ZN/NaOH. What Client ID 23	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCi; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH LLLL 75-	e received in a broken container. e >6 mm in diameter. (Notify PM) er preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-
#15:::SAMPLE CONDITION Sample(s) Sample(s) #16:::SAMPLE PRESERV Sample(s) Receiving to meet recome Hydroxide Lot# 100108 -Nac (CH3COO)2ZN/NaOH. What Client ID 23	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCi; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH LLLL 75-	e received in a broken container. e >6 mm in diameter. (Notify PM) er preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-
#15:::SAMPLE CONDITION Sample(s) Sample(s) #16:::SAMPLE PRESERV Sample(s) Receiving to meet recome Hydroxide Lot# 100108 -Nac (CH3COO)2ZN/NaOH. What Client ID 23	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCi; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH LLLL 75-	e received in a broken container. e >6 mm in diameter. (Notify PM) er preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-
#15:::SAMPLE CONDITION Sample(s) Sample(s) #16:::SAMPLE PRESERV Sample(s) Receiving to meet recome Hydroxide Lot# 100108 -Nac (CH3COO)2ZN/NaOH. What Client ID 23	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCi; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH LLLL 75-	e received in a broken container. e >6 mm in diameter. (Notify PM) er preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-
#15:::SAMPLE CONDITION Sample(s) Sample(s) #16:::SAMPLE PRESERV Sample(s) Receiving to meet recome Hydroxide Lot# 100108 -Nac (CH3COO)2ZN/NaOH. What Client ID 23	were received after the recomm were were received with bubble ATION were furth mended pH level(s). Nitric Acid Lot# 121709-HNO3; Sulfuric Aci OH; Hydrochloric Acid Lot# 092006-HCi; Sodium Hydroxide and Z at time was preservative added to sample(s)? pH LLLL 75-	e received in a broken container. e >6 mm in diameter. (Notify PM) er preserved in Sample d Lot# 121709-H ₂ SO ₄ ; Sodium inc Acetate Lot# 100108-

TestAmerica Cooler	Receipt Form/Narrative		
North Canton Facilit	<u>y</u>	Date	<u>Initials</u>
<u>Client ID</u>	На	Date	minais
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			····
			01
Cooler#	Temp. ºC	Method	Coolant
241-990	1.5	1R	ICL
241-781	1.0	1R	1
241-990 241-781	/.5 /.0	<u> </u>	L
241 - 781	1.0		1
241 - 781	7.0	<u> </u>	1
241 - 781	7.0		
241 - 781	7.0	<u> </u>	
241 - 781	7.0	7	
241 - 781	7.0		
241-781	7.0		
241 - 781	7.0		
241-781	7.0		
241 - 781	7.0		
241-781	7.0		
241 - 781 Discrepancies Cont'd:	7.0		
241 - 781 Discrepancies Cont'd	7.0		
241 - 781 Discrepancies Cont'd	7.0		
Discrepancies Cont'd:	7.0		
241 - 781 Discrepancies Confid	7.0		
241 - 781 Discrepancies Cont'd:	7.0		
241 - 781 Discrepancies Confid	7.0		
Discrepancies Cont'd:	7.0		
Discrepancies Cont'd	7.0		
241 - 781 Discrepancies Cont'd	7.0		
Discrepancies Cont'd	7.0		
24/ - 78/ Discrepancies Confid	7.0		



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

10520 Test Amica (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.

OC 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/MS 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

OUALITY 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 repreparation 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

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PARAMETER	RESULT	REPORTIN LIMIT	IG UNITS	ANALYTICAL METHOD
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	\mathtt{ug}/\mathtt{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

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
86-15 05 10 05/05/10 11:45 010				
cis-1,2-Dichloroethene trans-1,2-Dichloroethene Trichloroethene	21 35 160	5.7 5.7 5.7	ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B
86-10 05 10 05/05/10 12:35 011				
cis-1,2-Dichloroethene trans-1,2-Dichloroethene Trichloroethene 1,1,1-Trichloroethane	49 6.2 23 3.9	1.7 1.7 1.7	ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B
MW-104 05 10 05/05/10 012				
<pre>cis-1,2-Dichloroethene Trichloroethene 1,1,1-Trichloroethane</pre>	9.5 90 28	3.3 3.3 3.3	ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B
MW-10 05 10 05/05/10 17:20 013				
1,1-Dichloroethane cis-1,2-Dichloroethene Trichloroethene 1,1,1-Trichloroethane	3.3 9.9 95 28	2.5 2.5 2.5 2.5	ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B
MW-11 05 10 05/05/10 18:00 014				
1,1-Dichloroethane cis-1,2-Dichloroethene Vinyl chloride	8.0 150 26	5.7 5.7 5.7	ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B
MW-12 05 10 05/05/10 18:30 015				
cis-1,2-Dichloroethene trans-1,2-Dichloroethene Vinyl chloride Trichloroethene	180 15 15 24	6.7 6.7 6.7 6.7	ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B
MW-2 05 10 05/05/10 18:55 016				
1,1-Dichloroethane cis-1,2-Dichloroethene Vinyl chloride 1,1,1-Trichloroethane	140 3500 140 740	91 91 91 91	ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B

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		REPORTIN		ANALYTICAL
PARAMETER	RESULT	<u>LIMIT</u>	<u>UNITS</u>	METHOD
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
-				

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A0E070460

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EW-2 05 10 (GRAB) 05/06/10 11:40 02	7			
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	140	5.0	ug/L	CFR136A 624
(total)	140	3.0	49/1	011120011 021
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
Total phosphorus Nitrogen, as Ammonia	0.16 0.6	0.10	mg/L mg/L	SM18 4500-P E SM18 4500NH3-F
RWB23 05 10 (COMP) 05/06/10 09:50 0	29			
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 03	0			
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	6.0	4.0	mg/L	SM18 2540 D
Solids				
Nitrogen, as Ammonia	0.3	0.2	mg/L	SM18 4500NH3-F

ANALYTICAL METHODS SUMMARY

A0E070460

PARAMETER	ANALYTICAL METHOD
Ammonia as N by ISE Base/Neutrals and Acids Biochemical Oxygen Demand Cyanide, Total Inductively Coupled Plasma (ICP) Metals ICP-Mass Spectrometry ICP-Mass Spectrometry Mercury (Manual Cold Vapor Technique) N-Hexane Ext. Material, Silica Gel Treated-1664A N-Hexane Extractable Material (1664A) Organochlorine Pesticides and PCBs Phenolics Purgeables Total cyanide Total phosphorus Total Suspended Solids Trace Inductively Coupled Plasma (ICP) Metals Volatile Organics by GC/MS	SM18 4500NH3-F CFR136A 625 SM18 5210 B SW846 9012A SW846 6010B MCAWW 200.8 MCAWW 245.1 CFR136A 1664A SGT HEM CFR136A 1664A HEM CFR136A 608 MCAWW 420.1 CFR136A 624 SM18 4500-CN E SM18 4500-P E SM18 2540 D SW846 6010B SW846 8260B
References:	3.10.20 0.2002
CFR136A "Methods for Organic Chemical Analysis of Industrial Wastewater", 40CFR, Part 136,	

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

A0E070460

<u>wo # s</u>	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
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	
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	
L06T2	029	RWB23 05 10 (COMP)	05/06/10	
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.

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

		REPORTING		
PARAMETER	RESULT	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-	ND	2.0	ug/L	
chloropropane (DBCP)				
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-	ND	1.0	ug/L	
2-butene			_	
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	

Client Sample ID: S3 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-001 Work Order #...: L06P71AH Matrix..... WG

		DEDODETN	a
	D D CI II III	REPORTIN	
PARAMETER	RESULT	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	\mathtt{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	ND	10	\mathtt{ug}/\mathtt{L}
(MIBK)			
Methyl tert-butyl ether	\mathtt{ND}	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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
	ND	1.0	ug/L
o-Xylene Cyclohexanone	ND	20	ug/L
Trichlorofluoromethane	ND ND	1.0	ug/L
		1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro-	ND	1.0	ug/ n
benzene	NID	1 0	ug/I.
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: S3 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-001	Work Order #:	L06P71AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	83	(61 - 128)	
Toluene-d8	98	(76 - 110)	
4-Bromofluorobenzene	92	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	y UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	.: 0130012 ND	10.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06P71AD
Chromium	ND	5.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06P71AA
Nickel	ND	40.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06P71AE
Lead	ND	3.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06P71AC

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> Cyanide, Total	RESULT ND	RL 0.010 ution Facto	UNITS mg/L or: 1	METHOD SW846 9012A	PREPARATION- ANALYSIS DATE 05/17/10	PREP <u>BATCH #</u> 0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

No.			REPORTIN	r.C.
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 Bromochloromethane ND 1.7 ug/L Bromochloromethane ND 1.7 ug/L Bromochloromethane ND 1.7 ug/L Bromomethane 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 Chlorobenzene ND 1.7 ug/L Chlorothane ND 1.7 ug/L Chlorothane ND 1.7 ug/L Chloroform ND 1.7 ug/L Chloroform ND 1.7 ug/L Chloroform ND 1.7 ug/L Chlorotochuene ND 1.7 ug/L C-Chlorotoluene ND 1.7 ug/L C-C-Dibromoethane N		DECIII.M		_
Acrolein ND 33 ug/L Acrylonitrile ND 33 ug/L Benzene ND 1.7 ug/L Bromochloromethane ND 1.7 ug/L Bromochloromethane ND 1.7 ug/L Bromodichloromethane ND 1.7 ug/L Bromodichloromethane ND 1.7 ug/L Bromodichloromethane ND 1.7 ug/L Bromomethane ND 1.7 ug/L Bromodichloromethane ND 1.7 ug/L Bromodichloromethane ND 1.7 ug/L Bromoform ND 1.7 ug/L Bromomethane ND 1.7 ug/L Bromomethane ND 1.7 ug/L Bromomethane ND 1.7 ug/L Carbot etrachloride ND 1.7 ug/L Carbon disulfide ND 1.7 ug/L Carbon tetrachloride ND 1.7 ug/L Carbon tetrachloride ND 1.7 ug/L Chlorotenzene ND 1.7 ug/L Chlorotenzene ND 1.7 ug/L Chlorotenthane ND 1.7 ug/L Chlorotethane ND 1.7 ug/L Chlorotothuen ND 1.7 ug/L Chloromethane ND 1.7 ug/L Chlorototluene ND 1.7 ug/L C-Chlorotoluene ND 1.7 ug/L C-Chl	• • • • • • • • • • • • • • • • • • • •			
Acrylonitrile Acrylonitrile 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 Methyl ethyl ketone ND 1.7 ug/L Methyl ethyl ketone ND 1.7 ug/L Sec-Butylbenzene ND 1.7 ug/L Carbon disulfide ND 1.7 ug/L Carbon disulfide ND 1.7 ug/L Carbon tetrachloride ND 1.7 ug/L Chlorobnzene ND 1.7 ug/L Chlorodibromomethane ND 1.7 ug/L Chlorothane ND 1.7 ug/L Chlorothane ND 1.7 ug/L Chlorotothuene ND 1.7 ug/L Chlorototoluene ND 1.7 ug/L 2-Chlorototoluene ND 1.7 ug/L 2-Chlorototoluene ND 1.7 ug/L 1.2-Dibromo-3- chloropropane (DBCP) 1.2-Dibromoethane ND 1.7 ug/L 1.2-Dichlorobenzene ND 1.7 ug/L 1.2-Dichlorobenzene ND 1.7 ug/L 1.3-Dichlorobenzene ND 1.7 ug/L				_
Benzene ND				
Bromobenzene ND	_			-
Bromochloromethane			—	•
### Bromodichloromethane ND				-
Bromoform ND				- '
## Bromomethane ND 1.7 ug/L				
Methyl ethyl ketone ND 17 ug/L sec-Butylbenzene ND 1.7 ug/L sec-Butylbenzene ND 1.7 ug/L sec-Butylbenzene ND 1.7 ug/L carbon disulfide ND 1.7 ug/L Carbon disulfide ND 1.7 ug/L Carbon tetrachloride 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 Chloroethyl vinyl ether ND 1.7 ug/L Chloroethyl vinyl ether ND 1.7 ug/L Chloromethane ND 1.7 ug/L Chloromethane ND 1.7 ug/L Chloromethane ND 1.7 ug/L Chlorotoluene ND 1.7 ug/L Chlorotoluene ND 1.7 ug/L Chlorotoluene ND 1.7 ug/L Chloropropane (DBCP) 1.2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 1.2-Dibromoethane ND 1.7 ug/L Chlorobenzene ND 1.7 ug/L Chlorodifluoromethane ND 1.7 ug/L Chloroethane SS 1.7 ug/				_
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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 1.7 ug/L Chloroform ND 1.7 ug/L Chloroform ND 1.7 ug/L Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 1.7 ug/L 1,2-Dibromoethane ND 1.7 ug/L 1,2-Dichlorobenzene ND 1.7 ug/L 1,3-Dichlorobenzene ND 1.7 ug/L 1,4-Dichloroethane ND 1.7 ug/L 1,1-Dichloroethane 55 1.7	-			
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 1.7 ug/L Chloroform ND 1.7 ug/L Chloroform ND 1.7 ug/L 2-Chlorotoluene ND 1.7 ug/L 2-Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 1.7 ug/L 1,2-Dibromo-3- ND 1.7 ug/L 1,2-Dibromoethane ND 1.7 ug/L 1,2-Dibromoethane ND 1.7 ug/L 1,2-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L 1,1-Dichloroethane 3.3 1.7 ug/L 1,1-Dichloroethane 55	-			=
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 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) V V Ug/L 1,2-Dibromoethane ND 1.7 ug/L 1,2-Dichlorobenzene ND 1.7 ug/L 1,3-Dichlorobenzene ND 1.7 ug/L 1,4-Dichloroethane ND 1.7 ug/L 2-butene 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 <t< td=""><td></td><td></td><td></td><td>•</td></t<>				•
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 Chloromethane ND 1.7 ug/L 2-Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 1,2-Dibromoethane ND 1.7 ug/L Dibromomethane ND 1.7 ug/L 1,2-Dichlorobenzene ND 1.7 ug/L 1,2-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L 1,1-Dichloroethane ND 1.7 ug/L 2-butene Dichlorodifluoromethane ND 1.7 ug/L 1,1-Dichloroethane S5 1.7 ug/L 1,2-Dichloroethane S5 1.7 ug/L trans-1,2-Dichloroethene S0 1.7 ug/L trans-1,2-Dichloroethene S0 1.7 ug/L trans-1,2-Dichloroethene S0 1.7 ug/L trans-1,2-Dichloroethene S0 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 Chloromethane ND 1.7 ug/L 2-Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 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 1,4-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L 1,1-Dichloroethane ND 1.7 ug/L 1,1-Dichloroethane ND 1.7 ug/L 1,2-Dichloroethane ND 1.7 ug/L 1,2-Dichloroethane ND 1.7 ug/L 1,1-Dichloroethane S5 1.7 ug/L 1,2-Dichloroethane S5 1.7 ug/L trans-1,2-Dichloroethene S0 1.7 ug/L trans-1,2-Dichloroethene S0 1.7 ug/L trans-1,2-Dichloroethene S0 1.7 ug/L				_
2-Chloroethyl vinyl ether ND 17 ug/L Chloroform ND 1.7 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- ND 3.3 ug/L chloropropane (DBCP)				
Chloroform ND 1.7 ug/L Chlorotoluene ND 1.7 ug/L 2-Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 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 1,4-Dichlorobenzene ND 1.7 ug/L trans-1,4-Dichloro- ND 1.7 ug/L 2-butene Dichlorodifluoromethane ND 1.7 ug/L 1,1-Dichloroethane 3.3 1.7 ug/L 1,2-Dichloroethane 55 1.7 ug/L 1,2-Dichloroethene 50 1.7 ug/L trans-1,2-Dichloroethene 6.8 1.7 ug/L trans-1,2-Dichloroethene 6.8 1.7 ug/L 1,1-Dichloroethene 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 Dichloroethane 3.3 1.7 ug/L 1,1-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 6.8 1.7 ug/L				•
2-Chlorotoluene ND 1.7 ug/L 4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 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- ND 1.7 ug/L 2-butene 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 50 1.7 ug/L trans-1,2-Dichloroethene 6.8 1.7 ug/L	Chloroform			
4-Chlorotoluene ND 1.7 ug/L 1,2-Dibromo-3- ND 3.3 ug/L chloropropane (DBCP) 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- ND 1.7 ug/L trans-1,4-Dichloro- ND 1.7 ug/L 2-butene 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 6.8 1.7 ug/L	Chloromethane	ND		_
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 1,2-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	2-Chlorotoluene	ND		
chloropropane (DBCP) 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- ND 1.7 ug/L 2-butene Dichlorodifluoromethane ND 1.7 ug/L 1,1-Dichloroethane 55 1.7 ug/L 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	4-Chlorotoluene	ND		
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- ND 1.7 ug/L 2-butene 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	· ·	ND	3.3	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- ND 1.7 ug/L 2-butene 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	chloropropane (DBCP)			
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- ND 1.7 ug/L 2-butene 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	1,2-Dibromoethane	ND		_
1,3-Dichlorobenzene ND 1.7 ug/L 1,4-Dichlorobenzene ND 1.7 ug/L trans-1,4-Dichloro- ND 1.7 ug/L 2-butene 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		ND		•
1,4-Dichlorobenzene ND 1.7 ug/L trans-1,4-Dichloro- ND 1.7 ug/L 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	1,2-Dichlorobenzene	ND	1.7	ug/L
trans-1,4-Dichloro- ND 1.7 ug/L 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	1,3-Dichlorobenzene	ND	1.7	_
2-butene 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	1,4-Dichlorobenzene	ND		
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	trans-1,4-Dichloro-	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	2-butene			
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	Dichlorodifluoromethane	ND	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	1,1-Dichloroethane	3.3	1.7	ug/L
trans-1,2-Dichloroethene 6.8 1.7 ug/L 1,1-Dichloroethene ND 1.7 ug/L	1,2-Dichloroethane	55	1.7	ug/L
1,1-Dichloroethene ND 1.7 ug/L	cis-1,2-Dichloroethene	50	1.7	ug/L
1,1-Dichloroethene ND 1.7 ug/L	trans-1,2-Dichloroethene	6.8	1.7	ug/L
Dichlorofluoromethane ND 3.3 ug/L	1,1-Dichloroethene	ND	1.7	ug/L
	Dichlorofluoromethane	ND	3.3	ug/L

Client Sample ID: S9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-002 Work Order #...: L06QL1AH Matrix...... WG

-				
		REPORTIN	IG	
PARAMETER	RESULT	LIMIT	<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	\mathtt{ug}/\mathtt{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	ND	17	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	8.4	ug/L	
(MTBE)				
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	${\tt ug/L}$	
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-	ND	1.7	ug/L	
1,2,2-trifluoroethane				
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-	ND	1.7	ug/L	
benzene			-	
1,1,1-Trichloroethane	ND	1.7	ug/L	
,,_			-	

Client Sample ID: S9 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-002	Work Order #:	L06QL1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	•
Dibromofluoromethane	101	(73 - 122)	
1,2-Dichloroethane-d4	91	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	94	(74 - 116)	

Client Sample ID: S9 05 10

DISSOLVED Metals

Matrix..... WG

Lot-Sample #...: A0E070460-002

Date Sampled...: 05/05/10 11:20 Date Received..: 05/07/10

REPORTING PREPARATION-WORK ANALYSIS DATE ORDER # PARAMETER RESULT LIMIT UNITS METHOD Prep Batch #...: 0130012 SW846 6010B 05/10-05/11/10 L06QL1AD 10.0 ug/L Arsenic NDDilution Factor: 1 SW846 6010B 05/10-05/11/10 L06QL1AA 5.0 Chromium ND Dilution Factor: 1 SW846 6010B 05/10-05/11/10 L06QL1AE Nickel ND 40.0 ug/L Dilution Factor: 1 SW846 6010B 05/10-05/11/10 L06QL1AC Lead ND 3.0 ug/L Dilution Factor: 1

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137439
Total Phenols	ND Dil	0.040 ution Facto	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		REPORTIN	C
רו א כו א אווייייייייי	RESULT	LIMIT	G UNITS
PARAMETER Acetone	ND	<u>51411</u> 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
=	ND	1.7	ug/L
n-Butylbenzene	ND	1.7	ug/L ug/L
sec-Butylbenzene	ND	1.7	ug/L
tert-Butylbenzene Carbon disulfide	ND	1.7	ug/L
Carbon disuilide Carbon tetrachloride	ND	1.7	ug/L
	ND ND	1.7	ug/L
Chlorobenzene Chlorodibromomethane	ND	1.7	ug/L
011202001101101110111011101110111		1.7	ug/L ug/L
Chloroethane	ND	17	
2-Chloroethyl vinyl ether	ND	1.7	ug/L
Chloroform	ND	=	ug/L
Chloromethane	ND	1.7 1.7	ug/L
2-Chlorotoluene	ND	1.7	ug/L
4-Chlorotoluene	ND		ug/L
1,2-Dibromo-3-	ND	3.3	ug/L
chloropropane (DBCP)		1 17	/T
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-	ND	1.7	ug/L
2-butene		4 =	/
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

Client Sample ID: S14 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-003 Work Order #...: L06QN1AH Matrix..... WG

		DEDODETN	0	
D. D. M. H. H. D.	DECLIE III	REPORTIN LIMIT	UNITS	
PARAMETER	RESULT ND	1.7	ug/L	
1,2-Dichloropropane	ND	1.7	ug/L	
1,3-Dichloropropane		1.7	ug/L	
2,2-Dichloropropane	ND	1.7	ug/L	
cis-1,3-Dichloropropene	ND ND	1.7	ug/L	
trans-1,3-Dichloropropene		1.7		
1,1-Dichloropropene	ND	1.7	ug/L ug/L	
Ethylbenzene	ND ND	3.3	ug/L	
Diethyl ether		1.7	ug/L	
Ethyl methacrylate	ND		-	
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	ND	17	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	8.4	ug/L	
(MTBE)				
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-	ND	1.7	ug/L	
1,2,2-trifluoroethane				
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		1.7	ug/L	
O-xylene Cyclohexanone	ND ND	33	ug/L	
=		1.7	ug/L	
Trichlorofluoromethane	ND	1.7		
Trichloroethene	21		ug/L	
1,2,4-Trichloro-	ND	1.7	ug/L	
benzene	г э	1 77	/T	
1,1,1-Trichloroethane	5.2	1.7	ug/L	

Client Sample ID: S14 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-003	Work Order #:	L06QN1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	100	(73 - 122)	
1,2-Dichloroethane-d4	93	(61 - 128)	
Toluene-d8	97	(76 - 110)	
4-Bromofluorobenzene	97	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	.: 0130012 ND	10.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QN1AD
Chromium	ND	5.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QN1AA
Nickel	ND	40.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QN1AE
Lead	ND	3.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QN1AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

REPORTING	
TAKE INTER	5
PARAMETER RESULT LIMIT ONITS Acetone ND 10 ug/L	
Accolein ND 20 ug/L	
1101 010111	
1101,101,101	
Belizene	
bi-omocritor ome criatic	
BEOMOGICITO OMCCIATIO	
22 03.10 2.10 0.10 0.10	
11 Ducy 12 Cill Cill	
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- ND 2.0 ug/L	
chloropropane (DBCP)	
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- ND 1.0 ug/L	
2-butene	
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	r
trans-1,2-Dichloroethene ND 1.0 ug/L	
1,1-Dichloroethene ND 1.0 ug/L	
Dichlorofluoromethane ND 2.0 ug/L	

Client Sample ID: S15 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-004 Work Order #...: L06QP1AH Matrix..... WG

		REPORTING	
PARAMETER	RESULT	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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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 ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trichloro-	ND	1.0	ug/L
benzene	עועד	τ.υ .	<i>α</i> 9/ π
	NTD	1 0	ug/I.
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: S15 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-004	Work Order #:	L06QP1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	101	(73 - 122)	
1,2-Dichloroethane-d4	85	(61 - 128)	
Toluene-d8	94	(76 - 110)	
4-Bromofluorobenzene	95	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QP1AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QP1AA
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QP1AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QP1AC

Client Sample ID: S15 05 10

General Chemistry

Lot-Sample #...: A0E070460-004 Work Order #...: L06QP Matrix..... WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH #</u>
Cyanide, Total	ND Dilu	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dilu	0.040 ution Facto	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		REPORTIN	īG
PARAMETER	RESULT	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
- man	ND	10	ug/L
2-Chloroethyl vinyl ether Chloroform	ND	1.0	ug/L
	ND	1.0	ug/L
Chloromethane		1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L ug/L
4-Chlorotoluene	ND	2.0	-
1,2-Dibromo-3-	ND	2.0	ug/L
chloropropane (DBCP)	NTI	1.0	ncr/T
1,2-Dibromoethane	ND		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-	ND	1.0	ug/L
2-butene		4 ^	
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

Client Sample ID: MW-9 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-005 Work Order #...: L06QR1AH Matrix..... WG

		REPORTING	z
PARAMETER	RESULT	LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
	ND	1.0	ug/L
2,2-Dichloropropane cis-1,3-Dichloropropene	ND	1.0	ug/L
	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Diethyl ether		1.0	ug/L
Ethyl methacrylate	ND		
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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
1,2,4-Trimethylbenzene	ND	1.0	$\mathtt{ug/L}$
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-	ND	1.0	ug/L
benzene	7.17	1.0	43/ 1
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,1-Trichloroethane	עוא	1.0	ug/ n

Client Sample ID: MW-9 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-005	Work Order #:	L06QR1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	100	(73 - 122)	
1,2-Dichloroethane-d4	85	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	: 0130012					
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QR1AD
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QR1AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QR1AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QR1AC

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

PARAMETER	RESULT	RL	<u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		REPORTIN	G
PARAMETER	RESULT _	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-	ND	2.0	\mathtt{ug}/\mathtt{L}
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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	\mathtt{ug}/\mathtt{L}
1,1-Dichloroethene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L

Client Sample ID: MW-13 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-006 Work Order #...: L06QV1AH Matrix..... WG

		REPORTIN	G
PARAMETER	RESULT	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	ND	10	ug/L
(MIBK)		_,	3,
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)	21.2		5, —
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-	ND	1.0	ug/L
1,2,2-trifluoroethane	115		3,
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-	ND	1.0	ug/L
benzene	142	2.0	~=, -
1,1,1-Trichloroethane	ND	1.0	ug/L
I, I, I - II I CIII OI OECIIAIIE	1417	1.0	~3/ ~

Client Sample ID: MW-13 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-006	Work Order #:	L06QV1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	97	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	98	(76 - 110)	
4-Bromofluorobenzene	92	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QV1AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QV1AA
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06QV1AE
Lead	ND	3.0	ug/L	SW846 6010B	05/10-05/11/10	L06QV1AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH #</u>
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

REPORTING PARAMETER RESULT 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 Bromoform ND 1.0 ug/L	
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	
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	
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	
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	
Bromobenzene ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromodichloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L	
Bromochloromethane ND 1.0 ug/L Bromodichloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L	
Bromodichloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L	
Bromoform ND 1.0 ug/L	
DI OMO E O E IN	
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	1
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- ND 2.0 ug/L	
chloropropane (DBCP)	
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- ND 1.0 ug/L	
2-butene	
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	

Client Sample ID: S17 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-007 Work Order #...: L06QX1AH Matrix..... WG

		D	
	DEGIT T	REPORTIN	
PARAMETER	RESULT	<u>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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane		_ • •	 ,
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 acetate Vinyl chloride	ND	1.0	ug/L
-	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L ug/L
o-Xylene		20	ug/L ug/L
Cyclohexanone	ND	1.0	
Trichlorofluoromethane	ND		ug/L
Trichloroethene	10	1.0	ug/L
1,2,4-Trichloro-	ND	1.0	ug/L
benzene	1 0	1 0	/T
1,1,1-Trichloroethane	1.9	1.0	ug/L

Client Sample ID: S17 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-007	Work Order #:	L06QX1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
a	PERCENT	RECOVERY	
SURROGATE	RECOVERY	<u>LIMITS</u>	
Dibromofluoromethane	101	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	98	(76 - 110)	
4-Bromofluorobenzene	95	(74 - 116)	

Client Sample ID: S17 05 10

DISSOLVED Metals

Matrix..... WG

05/10-05/11/10 L06QX1AC

Lot-Sample #...: A0E070460-007

ND

Lead

Date Sampled...: 05/05/10 14:40 Date Received..: 05/07/10

3.0

Dilution Factor: 1

REPORTING PREPARATION-WORK METHOD ANALYSIS DATE ORDER # RESULT LIMIT UNITS Prep Batch #...: 0130012 05/10-05/11/10 L06QX1AD SW846 6010B 10.0 ug/L Arsenic ND Dilution Factor: 1 05/10-05/11/10 L06QX1AA Chromium ND 5.0 ug/L SW846 6010B Dilution Factor: 1 05/10-05/11/10 L06QX1AE SW846 6010B ND 40.0 ug/L Nickel Dilution Factor: 1

ug/L

SW846 6010B

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		REPORTIN	īC
PARAMETER	RESULT	LIMIT	UNITS
Acetone	ND	<u>Binii</u> 10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
	ND	1.0	ug/L ug/L
Bromobenzene	ND	1.0	ug/L ug/L
Bromochloromethane Bromodichloromethane	ND	1.0	ug/L
		1.0	
Bromoform	ND		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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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 ug/L
1,1-Dichloroethene	ND	1.0	ug/L ug/L
•		2.0	ug/L ug/L
Dichlorofluoromethane	ND	2.0	ug/r

Client Sample ID: MW-101 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-008 Work Order #...: L06Q11AH Matrix..... WG

		TEDODET.	IO
	DECITE III	REPORTIN	
PARAMETER	RESULT	<u>LIMIT</u> 1.0	<u>UNITS</u> ug/L
1,2-Dichloropropane	ND ND	1.0	ug/L
1,3-Dichloropropane		1.0	ug/L
2,2-Dichloropropane	ND	1.0	
cis-1,3-Dichloropropene	ND		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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			-
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 acecace 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 ND	20	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
	10	1.0	ug/L
Trichloroethene		1.0	ug/L ug/L
1,2,4-Trichloro-	ND	1.0	ug/ L
benzene	2.0	1 0	~ /T
1,1,1-Trichloroethane	2.0	1.0	ug/L

Client Sample ID: MW-101 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-008	Work Order #:	L06Q11AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	<u>LIMITS</u>	
Dibromofluoromethane	100	(73 - 122)	
1,2-Dichloroethane-d4	82	(61 - 128)	
Toluene-d8	100	(76 - 110)	
4-Bromofluorobenzene	90	(74 - 116)	

Client Sample ID: MW-101 05 10

DISSOLVED Metals

Matrix....: WG

Lot-Sample #...: A0E070460-008

Date Sampled...: 05/05/10 Date Received..: 05/07/10

REPORTING PREPARATION-WORK PARAMETER RESULT LIMIT UNITS _ ANALYSIS DATE ORDER # Prep Batch #...: 0130012 SW846 6010B 05/10-05/11/10 L06Q11AD Arsenic ND 10.0 ug/L Dilution Factor: 1 05/10-05/11/10 L06Q11AA SW846 6010B Chromium ND5.0 uq/L Dilution Factor: 1 SW846 6010B 05/10-05/11/10 L06Q11AE 40.0 ug/L Nickel ND Dilution Factor: 1 ND3.0 ug/L SW846 6010B 05/10-05/11/10 L06Q11AC Lead Dilution Factor: 1

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

PARAMETER	RESULT	RL	<u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		REPORTING	
PARAMETER	RESULT	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-	ND	3.3	ug/L
chloropropane (DBCP)			
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	${ m ug/L}$
trans-1,4-Dichloro-	ND	1.7	ug/L
2-butene			
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

Client Sample ID: MW-7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-009 Work Order #...: L06Q41AH Matrix...... WG

PARAMETER			REPORTIN	·C
1,2-Dichloropropane ND 1.7 ug/L 1,3-Dichloropropane ND 1.7 ug/L 2,2-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 trans-1,3-Dichloropropene ND 1.7 ug/L 1,1-Dichloropropene ND 1.7 ug/L Ethylbenzene ND 1.7 ug/L Dicthyl ether ND 3.3 ug/L Ethyl methacrylate ND 1.7 ug/L Hexachlorobutadiene ND 1.7 ug/L 1-domethane ND 1.7 ug/L 1-do		סקמוו ת		
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 Ethylbenzene ND 1.7 ug/L Dichloropropene ND 1.7 ug/L Ethylbenzene ND 1.7 ug/L Ethyl methacrylate ND 1.7 ug/L Hexachlorobutadiene ND 1.7 ug/L 2-Hexanome ND 1.7 ug/L 10domethane ND 1.7 ug/L 11domethylene chloride ND 1.7 ug/L 11domethylene chloride ND 1.7 ug/L 11domethylene ND 1.7 ug/L 11dometh				_
2,2-Dichloropropane				-
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 1.7 ug/L Ethyl methacrylate ND 1.7 ug/L Ethyl methacrylate ND 1.7 ug/L Hexachlorobutadiene ND 1.7 ug/L CHexanone ND 1.7 ug/L Indomethane ND 1.7 ug/L Indomethane ND 1.7 ug/L Isopropylbenzene ND 1.7 ug/L Methylene chloride ND<				-
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 1.7 ug/L 1-Codmethane ND 1.7 ug/L 1-Codmethane ND 1.7 ug/L 1-Sopropylbenzene ND 1.7 ug/L 1-Sopropylbenzene ND 1.7 ug/L Methylene chloride ND <td></td> <td></td> <td></td> <td></td>				
1,1-Dichloropropene				-
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 1.7 ug/L 1-Sopropylbenzene ND 1.7 ug/L Sopropylbenzene ND 1.7 ug/L Methylene chloride ND 1.7 ug/L Methylene chloride ND 1.7 ug/L Methyl-2-pentanone ND 1.7 ug/L (MIBK) Methyl tert-butyl ether ND 1.7 ug/L Naphthalene ND 1.7 ug/L Naphthalene ND 1.7 ug/L 1.1,2.2-Tetrachloroethane ND 1.7 ug/L 1.1,2.2-Tetrachloroethane ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Toluene ND 1.7 ug/L 1.1,2.3-Trichloro- ND 1.7 ug/L 1.1,2.2-trifluoroethane ND 1.7 ug/L 1.1,2.2-trifluoroethane ND 1.7 ug/L 1.1,2.5-Trimethylbenzene ND 1.7 ug/L 1.1,2.5-Trimethylbenzene ND 1.7 ug/L 1.1,2.5-Trimethylbenzene ND 1.7 ug/L 1.1,2.5-Trichloro- ND 1.7 ug/L 1.1,2.5-Trimethylbenzene ND 1.7 ug/L 1.2,2-trifluoroethane ND 1.7 ug/L 1.3,5-Trimethylbenzene ND 1.7 ug/L 1.1,2-Trichloro- ND 1.7 ug/L Trichlorofluoromethane 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 1.7 ug/L Iodomethane ND 1.7 ug/L Isopropylbenzene ND 1.7 ug/L Jospropylbenzene ND 1.7 ug/L Methyl methacrylate ND 1.7 ug/L Methyl methacrylate ND 1.7 ug/L Methyl methacrylate ND 3.3 ug/L Methyl tert-butyl ether ND 3.3 ug/L (MTBE) Maphthalene ND 1.7 ug/L Styrene ND 1.7 ug/L Styrene ND 1.7 ug/L 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,1,2,2-Tetrachloroethane ND 1.7 ug/L Tetrahydrofuran ND 1.7 ug/L Tetrahydrofuran ND 1.7 ug/L 1,1,2-Trichloro- ND 1.7 ug/L 1,1,2-Trimethylbenzene ND 1.7 ug/L 1,1,2-Trimethylbenzene ND 1.7 ug/L 1,1,2-Trimethylbenzene ND 1.7 ug/L Vinyl acetate ND 1.7 ug/L Vinyl acetate ND 1.7 ug/L Vinyl chloride 44 1.7 ug/L Trichloroethane ND 3.3 ug/L Trichlorofluromethane ND 1.7 ug/L Trichlorofluromethane ND 1.7 ug/L Vinyl chloride A4 1.7 ug/L Trichlorofluromethane ND 1.7 ug/L Trichloroethane ND 1.7 ug/L Trichlorofluromethane ND 1.7 ug/L				-
Ethyl methacrylate ND 1.7 ug/L Hexachlorobutadiene ND 1.7 ug/L 2-Hexanone ND 1.7 ug/L 2-Hexanone ND 1.7 ug/L 1.7 ug/L 1.7 ug/L 1.7 ug/L 1.8 ug/L 1.	_			
Hexachlorobutadiene				•
2-Hexanone	-			-
Todomethane				
Tsopropylbenzene				
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 (MTBK) 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 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,1,2-Tetrachloroethane ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Tetrahydrofuran ND 1.7 ug/L 1,2,3-Trichlorobenzene ND 1.7 ug/L 1,1,2-Trichloro- ND 1.7 ug/L 1,2,2-trifluoroethane ND 1.7 ug/L 1,3,5-Trimethylbenzene ND 1.7 ug/L Vinyl acetate ND 3.3 ug/L Vinyl c				_
Methylene chloride ND 1.7 ug/L Methyl methacrylate ND 3.3 ug/L 4-Methyl-2-pentanone ND 17 ug/L (MIBK) ND 1.7 ug/L Methyl tert-butyl ether ND 1.7 ug/L (MTBE) ND 1.7 ug/L Naphthalene ND 1.7 ug/L n-Propylbenzene ND 1.7 ug/L styrene ND 1.7 ug/L 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,2,2-Trichloroethane ND 1.7 ug/L 1,2,2-Trichloroethane ND 1.7 ug/L 1,3,5-Trimethylbenzene ND 1.7 ug/L Vinyl acetate ND 3.3 ug/L Vinyl achthylene ND 3.3 ug/L Vinyl chloride 44 1.7 ug/L m-Xylene p-Xylene				-
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 ND 1.7 ug/L Styrene ND 1.7 ug/L 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,1,2-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 1,2,2-trifluoroethane 1.7 ug/L 1,2,2-trifluoroethane 1.7 ug/L 1,3,5-Trimethylbenzene ND 1.7 ug/L Vinyl acetate ND 1.7 ug/L Vinyl acetate ND 3.3 ug/L Vinyl chloride A4 1.7 ug/L m-Xylene & p-Xylene ND 3.3 ug/L O-Xylene ND 1.7 ug/L Cyclohexanone ND 1.7 ug/L	_			
### A-Methyl-2-pentanone ND	Methylene chloride			-
(MIBK) 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 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,1,2,2-Tetrachloroethane ND 1.7 ug/L 1,1,2,2-Tetrachloroethane ND 1.7 ug/L Tetrachloroethane ND 1.7 ug/L 1,2,3-Trichlorobenzene ND 1.7 ug/L 1,1,2-Trichloroethane ND 1.7 ug/L 1,2,2-trifluoroethane 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 w-Xylene p-Xylene ND 3.3 ug/L Cyclohexanone ND 1.7 ug/L Trichloroethene ND 1.7 ug/L Trichloroethene ND 1.7 ug/L	Methyl methacrylate	ND		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 1,1,2-Tetrachloroethane ND 1.7 ug/L 1,1,2,2-Tetrachloroethane ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Tetrahydrofuran ND 1.7 ug/L Toluene ND 1.7 ug/L 1,2,3-Trichloroene ND 1.7 ug/L 1,1,2-Trichloroene ND 1.7 ug/L 1,2,2-trifluoroethane ND 1.7 ug/L 1,2,5-Trimethylbenzene ND 1.7 ug/L Vinyl acetate ND 3.3 ug/L Vinyl chloride 44 1.7 ug/L W-Xylene p-Xylene ND 3.3 ug/L Cyclohexanone ND 3.3 ug/L Trichloroethene	4-Methyl-2-pentanone	ND	17	ug/L
(MTBE) 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- ND 1.7 ug/L 1,2,2-trifluoroethane 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 Cyclohexanone ND 33 ug/L Trichloroethene ND 1.7 ug/L Trichloroethene ND 1.7 ug/L Trichloroethene	(MIBK)			
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-Tetrachloroethane ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Tetrahydrofuran ND 1.7 ug/L Toluene ND 1.7 ug/L 1,2,3-Trichloroehonzene ND 1.7 ug/L 1,1,2-Trichloroehonzene 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 Cyclohexanone ND 33 ug/L Trichloroethene ND 1.7 ug/L Trichloroethene ND	Methyl tert-butyl ether	ND	8.4	ug/L
ND	(MTBE)			
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 1.7 ug/L Toluene ND 1.7 ug/L 1,2,3-Trichloroethane ND 1.7 ug/L 1,1,2-Trichloroethane ND 1.7 ug/L 1,2,4-Trimethylbenzene ND 1.7 ug/L Vinyl acetate ND 3.3 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 Cyclohexanone ND 33 ug/L Trichlorofluoromethane ND 1.7 ug/L Trichloroethene ND 1.7 ug/L 1,2,4-Trichloro- ND 1.7 ug/L	Naphthalene	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 Tetrachloroethene ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Toluene ND 1.7 ug/L 1,2,3-Trichlorobenzene ND 1.7 ug/L 1,1,2-Trichloro- ND 1.7 ug/L 1,2,2-trifluoroethane 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 Cyclohexanone ND 33 ug/L Trichloroethene ND 1.7 ug/L	n-Propylbenzene	ND	1.7	ug/L
1,1,2,2-Tetrachloroethane ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Tetrachloroethene ND 1.7 ug/L Toluene ND 1.7 ug/L 1,2,3-Trichlorobenzene ND 1.7 ug/L 1,1,2-Trichloro- ND 1.7 ug/L 1,2,2-trifluoroethane 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 Cyclohexanone ND 33 ug/L Trichlorofluoromethane ND 1.7 ug/L Trichloroethene ND 1.7 ug/L Trichloroethene ND 1.7 ug/L Trichloroethene ND 1.7 ug/L	Styrene	ND	1.7	\mathtt{ug}/\mathtt{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- ND 1.7 ug/L 1,2,2-trifluoroethane 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 Cyclohexanone ND 33 ug/L Trichlorofluoromethane ND 1.7 ug/L Trichloroethene ND 1.7 ug/L 1,2,4-Trichloro- ND 1.7 ug/L	-	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-Trichlorobenzene ND 1.7 ug/L 1,2,4-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 c-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- ND 1.7 ug/L		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- ND 1.7 ug/L 1,2,2-trifluoroethane 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- ND 1.7 ug/L		ND	1.7	ug/L
Toluene ND 1.7 ug/L 1,2,3-Trichlorobenzene ND 1.7 ug/L 1,1,2-Trichloro- ND 1.7 ug/L 1,2,2-trifluoroethane 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 0-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- ND 1.7 ug/L	Tetrahydrofuran		8.4	ug/L
1,2,3-Trichlorobenzene ND 1.7 ug/L 1,1,2-Trichloro- ND 1.7 ug/L 1,2,2-trifluoroethane 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 3.3 ug/L Cyclohexanone ND 1.7 ug/L Trichlorofluoromethane ND 1.7 ug/L Trichloroethene ND 1.7 ug/L 1,2,4-Trichloro- ND 1.7 ug/L	_	ND	1.7	ug/L
1,1,2-Trichloro- ND 1.7 ug/L 1,2,2-trifluoroethane 1.7 ug/L 1,2,4-Trimethylbenzene ND 1.7 ug/L 1,3,5-Trimethylbenzene ND 3.3 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 0-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- ND 1.7 ug/L		ND	1.7	
1,2,2-trifluoroethane 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- 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- 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- ND 1.7 ug/L		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- ND 1.7 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- 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- ND 1.7 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- 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- ND 1.7 ug/L	-			_
Trichlorofluoromethane ND 1.7 ug/L Trichloroethene ND 1.7 ug/L 1,2,4-Trichloro- ND 1.7 ug/L	_			
Trichloroethene ND 1.7 ug/L 1,2,4-Trichloro- ND 1.7 ug/L	-			
1,2,4-Trichloro- ND 1.7 ug/L				
-,-,-				
	1,2,4-Trichloro- benzene	MD	1.7	ng/r
1,1,1-Trichloroethane ND 1.7 ug/L		ND	1.7	\mathtt{ug}/\mathtt{L}

Client Sample ID: MW-7 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-009	Work Order #:	L06Q41AH	Matrix:
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	89	(61 - 128)	
Toluene-d8	94	(76 - 110)	
4-Bromofluorobenzene	92	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #_
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q41AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q41AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q41AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q41AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		REPORTIN	iC
יין איין איין איין איין איין איין איין	RESULT	LIMIT	UNITS
PARAMETER 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 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-	ND	11	ug/L
chloropropane (DBCP)	112		3, =
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-	ND	5.7	ug/L
2-butene	2425		3.
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
DICITION OF THE CHAME	112		3, -

Client Sample ID: 86-15 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-010 Work Order #...: L06Q51AW Matrix...... WG

_			
		REPORTIN	
PARAMETER	RESULT	LIMIT	<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	${ t ug/L}$
Diethyl ether	ND	11	ug/L
Ethyl methacrylate	ND	5.7	\mathtt{ug}/\mathtt{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	ND	57	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	29	ug/L
(MTBE)			
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-	ND	5.7	ug/L
1,2,2-trifluoroethane			
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-	ND	5.7	ug/L
benzene	TATA	J. 1	49/1
1,1,1-Trichloroethane	ND	5.7	ug/L
I, I, I - II I CHI OT DECHAME	1112	5.1	wg,

Client Sample ID: 86-15 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-010	Work Order #:	L06Q51AW	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	97	(76 - 110)	·
4-Bromofluorobenzene	95	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q51AH
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q51AA
Nickel	ND	40.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q51AL
Lead	ND	3.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q51AE

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/15/10	0135099

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

		DDDO::#TX	T.C.
72 7 2 VOMPP	DECLUE	REPORTIN LIMIT	UNITS
PARAMETER	RESULT ND	<u>DIMII</u> 17	ug/L
Acetone	ND	33	ug/L
Acrolein		33	ug/L
Acrylonitrile	ND	1.7	-
Benzene	ND	1.7	ug/L
Bromobenzene	ND		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-	ND	3.3	ug/L
chloropropane (DBCP)			_
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-	ND	1.7	ug/L
2-butene	140	 '	49,2
Dichlorodifluoromethane	ND	1.7	ug/L
1,1-Dichloroethane	ND	1.7	ug/L
-		1.7	-
1,2-Dichloroethane	ND	1.7 1.7	ug/L
cis-1,2-Dichloroethene	49		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

Client Sample ID: 86-10 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-011 Work Order #...: L06Q91AH Matrix..... WG

		DEDODETA	ro.
TO A TO A MITCHISTO	RESULT	REPORTIN LIMIT	UNITS
PARAMETER	<u>RESULT</u> ND	<u>5:M::</u> 1.7	ug/L
1,2-Dichloropropane	ND	1.7	ug/L
1,3-Dichloropropane		1.7	ug/L
2,2-Dichloropropane	ND	1.7	ug/L
cis-1,3-Dichloropropene	ND ND	1.7	ug/L
trans-1,3-Dichloropropene		1.7	ug/L
1,1-Dichloropropene	ND	1.7	
Ethylbenzene	ND		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	ND	17	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	8.4	ug/L
(MTBE)			
Naphthalene	ND	1.7	ug/L
n-Propylbenzene	ND	1.7	\mathtt{ug}/\mathtt{L}
Styrene	ND	1.7	\mathtt{ug}/\mathtt{L}
1,1,1,2-Tetrachloroethane	ND	1.7	\mathtt{ug}/\mathtt{L}
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L
Tetrachloroethene	ND	1.7	\mathtt{ug}/\mathtt{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-	ND	1.7	ug/L
1,2,2-trifluoroethane			
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-	ND	1.7	ug/L
benzene			- 3,
1,1,1-Trichloroethane	3.9	1.7	ug/L
T'T'T ITTOTTOFORME	2.5		~ <i>></i> · ~

Client Sample ID: 86-10 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-011	Work Order #:	LU6Q91AH	Matrix wG
	DECIVE.	REPORTING	INITEC
PARAMETER	RESULT	<u>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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	97	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q91AD
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q91AA
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q91AE
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06Q91AC

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

PARAMETER	RESULT	<u>RL</u>	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

Client Sample ID: MW-104 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-012 Work Order #...: L06RA1AH Matrix..... WG

Prep Batch #...: 0133306

Dilution Factor: 3.33 Method.....: SW846 8260B

		REPORTIN	rc.
PARAMETER	RESULT	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-	ND	6.7	ug/L
chloropropane (DBCP)	1417	0.7	49/1
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-	ND	3.3	ug/L
2-butene	ND	5.5	ug, 1
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
Dictionational	1117	0.7	αg, π

Client Sample ID: MW-104 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-012 Work Order #...: L06RA1AH Matrix..... WG

		REPORTIN	c	
PARAMETER	RESULT	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	ND	33	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	17	ug/L	
(MTBE)				
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-	ND	3.3	ug/L	
1,2,2-trifluoroethane				
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-	ND	3.3	ug/L	
benzene				
1,1,1-Trichloroethane	28	3.3	ug/L	

Client Sample ID: MW-104 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-012	Work Order #:	L06RA1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	95	(76 - 110)	
4-Bromofluorobenzene	95	(74 - 116)	

Client Sample ID: MW-104 05 10

DISSOLVED Metals

Matrix..... WG

Lot-Sample #...: A0E070460-012

Date Sampled...: 05/05/10 Date Received..: 05/07/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RA1AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RA1AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RA1AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RA1AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040 ution Facto	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

		REPORTIN	īC
	RESULT	LIMIT	UNITS
PARAMETER	_ <u>RESULT</u>	<u>DIMII</u>	ug/L
Acrolein	ND	50	ug/L
	ND	50	ug/L
Acrylonitrile	ND	2.5	ug/L
Benżene		2.5	-
Bromobenzene	ND	2.5	ug/L
Bromochloromethane	ND	2.5	ug/L
Bromodichloromethane	ND		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	\mathtt{ug}/\mathtt{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-	ND	5.0	ug/L
chloropropane (DBCP)	•		_
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-	ND	2.5	ug/L
2-butene		2.7.5	3,
Dichlorodifluoromethane	ND	2.5	ug/L
1,1-Dichloroethane	3.3	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
•	9.9	2.5	ug/L
cis-1,2-Dichloroethene		2.5	ug/L
trans-1,2-Dichloroethene	ND	2.5	ug/L ug/L
1,1-Dichloroethene	ND		_
Dichlorofluoromethane	ND	5.0	ug/L

Client Sample ID: MW-10 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-013 Work Order #...: L06RE1AH Matrix..... WG

		REPORTING	
PARAMETER	RESULT	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	ND	25	ug/L
(MIBK)			.
Methyl tert-butyl ether	ND	12	ug/L
(MTBE)	110		31 =
Naphthalene	ND	2.5	ug/L
n-Propylbenzene	ND	2.5	ug/L
- -	ND	2.5	ug/L
Styrene	ND	2.5	ug/L
1,1,1,2-Tetrachloroethane		2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	
Tetrachloroethene	ND		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-	ND	2.5	ug/L
1,2,2-trifluoroethane			-
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-	ND	2.5	ug/L
benzene			
1,1,1-Trichloroethane	28	2.5	ug/L
,,_	= *		- •

Client Sample ID: MW-10 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-013	Work Order #:	L06RE1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

Client Sample ID: MW-10 05 10

DISSOLVED Metals

Matrix....: WG

05/10-05/11/10 L06RE1AC

Lot-Sample #...: A0E070460-013

ND

Lead

Date Sampled...: 05/05/10 17:20 Date Received..: 05/07/10

3.0

Dilution Factor: 1

REPORTING PREPARATION-WORK LIMIT UNITS METHOD ANALYSIS DATE ORDER # PARAMETER RESULT Prep Batch #...: 0130012 05/10-05/11/10 L06RE1AD SW846 6010B 10.0 ug/L Arsenic ND Dilution Factor: 1 05/10-05/11/10 L06RE1AA ND5.0 ug/L SW846 6010B Chromium Dilution Factor: 1 05/10-05/11/10 L06RE1AE SW846 6010B ND 40.0 ug/L Nickel Dilution Factor: 1

ug/L

SW846 6010B

Client Sample ID: MW-10 05 10

General Chemistry

Lot-Sample #...: A0E070460-013 Work Order #...: L06RE Matrix..... WG

Date Sampled...: 05/05/10 17:20 Date Received..: 05/07/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dila	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

73 73 73 74 74 THEFT TO	RESULT	REPORTIN LIMIT	UNITS
PARAMETER Acetone	ND	57	ug/L
Acrolein	ND	110	ug/L ug/L
Acrylonitrile	ND	110	ug/L
Benzene	ND	5.7	ug/L ug/L
Bromobenzene	ND	5.7	ug/L
	ND	5.7	ug/L ug/L
Bromochloromethane Bromodichloromethane	ND ND	5.7	ug/L
	ND ND	5.7	=
Bromoform		5.7	ug/L
Bromomethane	ND		ug/L
Methyl ethyl ketone	ND	57 5 7	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	$\mathtt{N}\mathtt{D}$	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	\mathtt{ug}/\mathtt{L}
1,2-Dibromo-3-	ND	11	ug/L
chloropropane (DBCP)			
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	\mathtt{ug}/\mathtt{L}
1,4-Dichlorobenzene	ND	5.7	ug/L
trans-1,4-Dichloro-	ND	5.7	ug/L
2-butene			
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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Client Sample ID: MW-11 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-014 Work Order #...: L06RF1AH Matrix..... WG

		REPORTIN	ia.
	DECIII M	LIMIT	UNITS
PARAMETER 1 2 Dishlarence	RESULT ND	<u>LIMIT</u> 5.7	ug/L
1,2-Dichloropropane		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 ND	11	ug/L
Diethyl ether		5 . 7	ug/L
Ethyl methacrylate	ND		
Hexachlorobutadiene	ND	5.7	ug/L
2-Hexanone	ND	57 5.7	ug/L
Iodomethane	ND		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	ND	57	ug/L
(MIBK)		0.0	
Methyl tert-butyl ether	ND	29	ug/L
(MTBE)			/T
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-	ND	5.7	ug/L
1,2,2-trifluoroethane			
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	\mathtt{ug}/\mathtt{L}
1,2,4-Trichloro-	ND	5.7	ug/L
benzene			
1,1,1-Trichloroethane	ND	5.7	ug/L

Client Sample ID: MW-11 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-014	Work Order #:	: L06RF1AH	Matrix: WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	95	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RF1AD
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RF1AA
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RF1AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RF1AC

Client Sample ID: MW-11 05 10

General Chemistry

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

		REPORTIN	C .
PARAMETER	RESULT	LIMIT	UNITS
Acetone	<u>RESULI</u> 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	NĎ	6.7	ug/L
2-Chlorotoluene	ND	6.7	ug/L
4-Chlorotoluene	ND	6.7	ug/L
1,2-Dibromo-3-	ND	13	ug/L
chloropropane (DBCP)	1,2		J
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-	ND	6.7	ug/L
2-butene			
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
			_

Client Sample ID: MW-12 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-015 Work Order #...: L06RH1AH Matrix..... WG

		DEDODUTA	TO
D. D. 1.1000000	DECIII M	REPORTIN	
PARAMETER	RESULT	<u>LIMIT</u> 6.7	<u>UNITS</u> ug/L
1,2-Dichloropropane	ND ND	6.7	ug/L
1,3-Dichloropropane		6.7	
2,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND		ug/L
1,1-Dichloropropene	ND	6.7	ug/L
Ethylbenzene	ND	6.7 13	ug/L
Diethyl ether	ND		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	\mathtt{ug}/\mathtt{L}
4-Methyl-2-pentanone	ND	67	\mathtt{ug}/\mathtt{L}
(MIBK)			
Methyl tert-butyl ether	ND	33	ug/L
(MTBE)			
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-	ND	6.7	ug/L
1,2,2-trifluoroethane	•		
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-	ND	6.7	ug/L
benzene	1/17		
1,1,1-Trichloroethane	ND	6.7	ug/L

Client Sample ID: MW-12 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-015	Work Order #:	L06RH1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	88	(61 - 128)	•
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RH1AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RH1AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RH1AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RH1AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L .or: 1	MCAWW 420.1	05/17/10	0137201

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

		OF BODENT N	REPORTING		
PARAMETER	RESULT	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		
	ND	91	ug/L		
Bromochloromethane	ND ND	91	ug/L		
Bromodichloromethane		91	-		
Bromoform	ND		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-	ND	180	ug/L		
chloropropane (DBCP)					
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-	ND	91	ug/L		
2-butene	110	7-	∞ 9, −		
Dichlorodifluoromethane	ND	91	ug/L		
1.1-Dichloroethane	140	91	ug/L		
1,2-Dichloroethane	ND	91	ug/L		
· ·		91			
cis-1,2-Dichloroethene	3500	= :::	ug/L		
trans-1,2-Dichloroethene	ND	91	ug/L		
1,1-Dichloroethene	ND	91	ug/L		
Dichlorofluoromethane	ND	180	ug/L		

Client Sample ID: MW-2 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-016 Work Order #...: L06RJ1AH Matrix..... WG

REPORTING RESULT	-			
1,2-Dichloropropane				
1,3-Dichloropropane				
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 bithyl ether ND 91 ug/L Ethyl methacrylate ND 91 ug/L Isopropylbenzene ND 91 ug/L Jodomethane ND 91 ug/L Isopropylbenzene ND 91 ug/L Jodomethane ND 91 ug/L Methylene chloride ND 91 ug/L (MIEK) ND				
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 91 ug/L Ethyl methacrylate ND 91 ug/L Hexachlorobutadiene ND 91 ug/L 2-Hexanone ND 91 ug/L Icomethane ND 91 ug/L Icomethane ND 91 ug/L Isopropylbenzene ND 91 ug/L Isopropylbenzene ND 91 ug/L Methylene chloride ND 91 ug/L Methyl methacrylate ND 91 ug/L Methylene chloride ND 91 ug/L Methylene chloride ND 91 ug/L Methylene chloride ND 91 ug/L Methylene ND 91				
trans-1,3-Dichloropropene ND 91 ug/L 1,1-Dichloropropene ND 91 ug/L Ethylbenzene ND 91 ug/L Diethyl ether ND 91 ug/L Ethyl methacrylate ND 91 ug/L Hexachlorobutadiene ND 91 ug/L 2-Hexanone ND 91 ug/L 1 codomethane ND 91 ug/L Methylene chloride ND 91 <t< td=""><td></td><td></td><td></td><td>•</td></t<>				•
1,1-Dichloropropene				-
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 91 ug/L Isopropylbenzene ND 91 ug/L Isopropylbenzene ND 91 ug/L Sopropyltoluene ND 91 ug/L Methylene chloride ND 91 ug/L Methylene chloride ND 91 ug/L Methyl methacrylate ND 180 ug/L Methyl tert-butyl ether ND 910 ug/L (MIBK) Methyl tert-butyl ether ND 91 ug/L (MIBE) Naphthalene ND 91 ug/L Styrene ND 91 ug/L 1,1,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L Tetrachloroethene ND 91 ug/L Toluene ND 91 ug/L 1,1,2-Trichloroethane ND 91 ug/L 1,2,2-trifluoroethane ND 91 ug/L 1,2,2-trifluoroethane ND 91 ug/L 1,3,5-Trimethylbenzene ND 91 ug/L 1,3,5-Trimethylbenzene ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl chloride ND 91 ug/L Trichloroethene ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L		ND		
Diethyl ether	1,1-Dichloropropene			
Ethyl methacrylate ND 91 ug/L Hexachlorobutadiene ND 91 ug/L 2-Hexanone ND 910 ug/L Codemethane ND 910 ug/L Isopropylbenzene ND 91 ug/L Isopropylbenzene ND 91 ug/L Methylene chloride ND 91 ug/L Methylene chloride ND 91 ug/L Methyl methacrylate ND 180 ug/L Methyl-2-pentanone ND 910 ug/L (MIBK) ND 180 ug/L MTBE) ND 180 ug/L MTBE) NAphthalene ND 91 ug/L NP 191 ug/L NP 180 ug/L N	-			
Hexachlorobutadiene	_	ND		
2-Hexanone	Ethyl methacrylate			
Iodomethane	Hexachlorobutadiene	ND		
Isopropylbenzene	2-Hexanone	ND		
### P-Isopropyltoluene ND 91 ug/L	Iodomethane	ND		
Methylene chloride ND 91 ug/L Methyl methacrylate ND 180 ug/L 4-Methyl-2-pentanone ND 910 ug/L (MIBK) ND 91 ug/L Methyl tert-butyl ether ND 450 ug/L (MTBE) ND 91 ug/L Naphthalene ND 91 ug/L n-Propylbenzene ND 91 ug/L Styrene ND 91 ug/L 1,1,2-Tetrachloroethane ND 91 ug/L 1,1,2-Tetrachloroethane ND 91 ug/L Tetrachlorobenzene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,2,2-trifluoroethane 1,2,2-trifluoroethane 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	Isopropylbenzene	ND		-
Methyl methacrylate ND 180 ug/L 4-Methyl-2-pentanone (MTBK) 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 1,1,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L Tetrachloroethene ND 91 ug/L Tetrachlorobenzene ND 91 ug/L 1,2,3-Trichloroene ND 91 ug/L 1,1,2-Trichloroethane ND 91 ug/L 1,2,4-Trimethylbenzene ND 91 ug/L 1,3,5-Trimethylbenzene ND 180 ug/L Vinyl chloride 140 91 ug/L m-Xylene & p-Xylene ND 180 ug/L C		ND		ug/L
### A-Methyl-2-pentanone ND 910 ug/L	Methylene chloride	ND	91	ug/L
(MIBK) 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 1,1,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L Tetrahydrofuran ND 91 ug/L Toluene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,1,2-Trichloro- ND 91 ug/L 1,2,2-trifluoroethane ND 91 ug/L 1,3,5-Trimethylbenzene ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl chloride 140 91 ug/L m-Xylene & p-Xylene ND 180 ug/L o-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichloroethene ND <	Methyl methacrylate	ND		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 1,1,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L Tetrachloroethene ND 91 ug/L Tetrahydrofuran ND 91 ug/L Toluene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,2,2-trifluoroethane 1,2,4-Trimethylbenzene ND 91 ug/L 1,3,5-Trimethylbenzene ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl chloride 140 91 ug/L m-Xylene & p-Xylene ND 180 ug/L Cyclohexanone ND 91 ug/L Trichloroethene ND 91 ug/L Otholori	4-Methyl-2-pentanone	ND	910	ug/L
(MTBE) 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 Tetrachloroethene ND 91 ug/L Toluene ND 91 ug/L 1,2,3-Trichloroene ND 91 ug/L 1,1,2-Trichloroene ND 91 ug/L 1,2,4-Trimethylbenzene ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl chloride 140 91 ug/L Winyl chloride 140 91 ug/L m-Xylene p-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloroehene	(MIBK)			
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 Tetrachlorofuran ND 91 ug/L Toluene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,1,2-Trichloro- 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 91 ug/L Cyclohexanone ND 91 ug/L Trichloroethene ND 91 ug/L Trichloroethene ND 91 <td>Methyl tert-butyl ether</td> <td>ND</td> <td>450</td> <td>ug/L</td>	Methyl tert-butyl ether	ND	450	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 Tetrachloroethane ND 91 ug/L Tetrahydrofuran ND 91 ug/L Toluene ND 91 ug/L 1,2,3-Trichloroethane ND 91 ug/L 1,1,2-Trichloroe ND 91 ug/L 1,2,4-Trimethylbenzene ND 91 ug/L Vinyl acetate ND 180 ug/L Vinyl chloride 140 91 ug/L William ND 180 ug/L 0-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichloroethene ND 91 ug/L Trichloroethene ND 91 ug/L Ly,2,4-Trichloro- ND 91 ug/L Denzene ND 91 ug/L	(MTBE)			
Styrene ND 91 ug/L 1,1,1,2-Tetrachloroethane ND 91 ug/L 1,1,2,2-Tetrachloroethane ND 91 ug/L Tetrachloroethane ND 91 ug/L Tetrahydrofuran ND 91 ug/L Toluene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,1,2-Trichloro- 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 Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L Lydene ND 91 ug/L Lydene ND 91	Naphthalene	ND		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- ND 91 ug/L 1,2,2-trifluoroethane ND 91 ug/L 1,3,5-Trimethylbenzene ND 91 ug/L Vinyl acetate ND 91 ug/L Vinyl chloride 140 91 ug/L m-Xylene & p-Xylene ND 180 ug/L c-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene ND 91 ug/L	n-Propylbenzene	ND		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- ND 91 ug/L 1,2,2-trifluoroethane 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 c-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene ND 91 ug/L	Styrene	ND		
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- ND 91 ug/L 1,2,2-trifluoroethane 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 c-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L	1,1,1,2-Tetrachloroethane	ND		ug/L
Tetrahydrofuran ND 450 ug/L Toluene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,1,2-Trichloro- ND 91 ug/L 1,2,2-trifluoroethane 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 c-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene ND 91 ug/L	1,1,2,2-Tetrachloroethane	ND		ug/L
Toluene ND 91 ug/L 1,2,3-Trichlorobenzene ND 91 ug/L 1,1,2-Trichloro- ND 91 ug/L 1,2,2-trifluoroethane 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 c-Xylene ND 91 ug/L Cyclohexanone ND 1800 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene ND 91 ug/L	Tetrachloroethene	ND		ug/L
1,2,3-Trichlorobenzene ND 91 ug/L 1,1,2-Trichloro- ND 91 ug/L 1,2,2-trifluoroethane 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 0-Xylene ND 91 ug/L Cyclohexanone ND 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene ND 91 ug/L	Tetrahydrofuran	ND		ug/L
1,1,2-Trichloro- ND 91 ug/L 1,2,2-trifluoroethane 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- ND 91 ug/L benzene ND 91 ug/L	Toluene	ND		-
1,2,2-trifluoroethane 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- ND 91 ug/L benzene ND 91 ug/L	1,2,3-Trichlorobenzene	ND .		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 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene		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 91 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene	1,2,2-trifluoroethane			
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- ND 91 ug/L benzene	1,2,4-Trimethylbenzene	ND	91	ug/L
Vinyl chloride14091ug/Lm-Xylene & p-XyleneND180ug/Lo-XyleneND91ug/LCyclohexanoneND1800ug/LTrichlorofluoromethaneND91ug/LTrichloroetheneND91ug/L1,2,4-Trichloro-ND91ug/Lbenzene	1,3,5-Trimethylbenzene	ND	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- ND 91 ug/L benzene	Vinyl acetate	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- ND 91 ug/L benzene	Vinyl chloride	140		ug/L
Cyclohexanone ND 1800 ug/L Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene	m-Xylene & p-Xylene	ND		${ t ug/L}$
Trichlorofluoromethane ND 91 ug/L Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene	o-Xylene	ND	91	ug/L
Trichloroethene ND 91 ug/L 1,2,4-Trichloro- ND 91 ug/L benzene	Cyclohexanone	ND		
1,2,4-Trichloro- ND 91 ug/L benzene	Trichlorofluoromethane	ND		\mathtt{ug}/\mathtt{L}
benzene	Trichloroethene	ND		ug/L
	1,2,4-Trichloro-	ND	91	ug/L
1,1,1-Trichloroethane 740 91 ug/L	benzene			
	1,1,1-Trichloroethane	740	91	ug/L

Client Sample ID: MW-2 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-016	Work Order #:	L06RJ1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	101	(73 - 122)	
1,2-Dichloroethane-d4	91	(61 - 128)	
Toluene-d8	98	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

Client Sample ID: MW-2 05 10

DISSOLVED Metals

Matrix..... WG

Lot-Sample #...: A0E070460-016

Date Sampled...: 05/05/10 18:55 Date Received..: 05/07/10

REPORTING PREPARATION-WORK PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Prep Batch #...: 0130012 SW846 6010B 05/10-05/11/10 L06RJ1AD 10.0 ug/L Arsenic Dilution Factor: 1 05/10-05/11/10 L06RJ1AA SW846 6010B Chromium ND5.0 ug/L Dilution Factor: 1 SW846 6010B 05/10-05/11/10 L06RJ1AE ND 40.0 ug/L Nickel Dilution Factor: 1 SW846 6010B 05/10-05/11/10 L06RJ1AC ND3.0 ua/L Lead Dilution Factor: 1

Client Sample ID: MW-2 05 10

General Chemistry

Date Sampled...: 05/05/10 18:55 Date Received..: 05/07/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

		REPORTIN	rC
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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	\mathtt{ug}/\mathtt{L}
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E070460-017 Work Order #...: L06RL1AA Matrix..... WQ

		REPORTIN	·C
	RESULT	LIMIT	<u>UNITS</u>
PARAMETER 1 2 Dichlerenzenzen	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane 2,2-Dichloropropane	ND	1.0	ug/L
	ND	1.0	ug/L
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	ND	1.0	ug/L
	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Diethyl ether	ND	1.0	ug/L
Ethyl methacrylate	ND ND	1.0	ug/L
Hexachlorobutadiene		10	ug/L
2-Hexanone	ND		
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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
1,2,4-Trimethylbenzene	ND	1.0	${ t ug/L}$
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-	ND	1.0	ug/L
benzene	112	0	3, -
1,1,1-Trichloroethane	ND	1.0	ug/L
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Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #: A0E070460-017	Work Order #:	L06RL1AA	Matrix WQ	
		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	
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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	-	
Dibromofluoromethane	97	(73 - 122)		
1,2-Dichloroethane-d4	83	(61 - 128)		
Toluene-d8	95	(76 - 110)		
4-Bromofluorobenzene	96	(74 - 116)		

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

		REPORTIN	·c
	DECIIT M	LIMIT	UNITS
PARAMETER	RESULT ND	<u>LIMIT</u>	ug/L
Acetone	ND	20	ug/L
Acrolein			_
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	\mathtt{ug}/\mathtt{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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene	112	1.0	
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
	ND	1.0	ug/L
trans-1,2-Dichloroethene		1.0	ug/L
1,1-Dichloroethene	ND		
Dichlorofluoromethane	ND	2.0	ug/L

Client Sample ID: MW-4 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-018 Work Order #...: L06RN1AH Matrix..... WG

		DEDODETN	ra.
	DECITE	REPORTIN	
PARAMETER 1.2 District	RESULT ND	<u>LIMIT</u> 1.0	<u>UNITS</u> ug/L
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		1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Diethyl ether	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	
Hexachlorobutadiene	ND	10	ug/L
2-Hexanone	ND		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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene	at 4 may		
1,1,1-Trichloroethane	ND	1.0	ug/L
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Client Sample ID: MW-4 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-018	Work Order #:	L06RN1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	85	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

Client Sample ID: MW-4 05 10

DISSOLVED Metals

Matrix....: WG

Lot-Sample #...: A0E070460-018

Date Sampled...: 05/05/10 16:17 Date Received..: 05/07/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RN1AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RN1AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RN1AE
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06RN1AC

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

PARAMETER	RESULT	RL_	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

No			REPORTIN	·c
Acetone Acrolein Acrylonitrile Acrylonitrile Acrylonitrile Benzene ND 1.0 Wg/L Bromobenzene ND 1.0 Wg/L Bromochloromethane ND 1.0 Wg/L Bromodichloromethane ND 1.0 Wg/L Bromodichloromethane ND 1.0 Wg/L Bromomethane ND 1.0 Wg/L Methyl ethyl ketone ND 1.0 Wg/L Methyl ethyl ketone ND 1.0 Wg/L Methyl ethyl benzene ND 1.0 Wg/L Carbon disulfide ND 1.0 Wg/L Carbon disulfide ND 1.0 Wg/L Chlorobenzene ND 1.0 Wg/L Chlorothane ND 1.0 Wg/L Chlorothane ND 1.0 Wg/L Chlorothane ND 1.0 Wg/L Chlorothane ND 1.0 Wg/L Chlorotothune ND 1.0 Wg/L Chlorotothune ND 1.0 Wg/L C-Chlorotothune ND 1.0 Wg/L C-Chlorotothune ND 1.0 Wg/L C-Chlorotothane ND 1.0 Wg/L C-Chlorotothune ND 1.0 Wg/L C-Chlorothune ND 1.0 Wg/L C-Chlorotothune ND 1.0 Wg/L C-Chlorothune ND 1.0 Wg/L C-Chlorothune ND 1.0 Wg/L C-Chlorothune ND 1.0 Wg/L C-Chlorothune ND 1.0 Wg/L C	יין אונדינענע ע ניז ע כין	סטפווו תי		
Acrolein ND 20 ug/L Acrylonitrile ND 20 ug/L Benzene ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromodichloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Chlorodibromomethane ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 1,2-Dichlorothane ND 1.0 ug/L trans-1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L				
Acrylonitrile ND 1.0 ug/L Benzene ND 1.0 ug/L Bromobenzene ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L Cabon tetralloride ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon tetrachloride ND 1.0 ug/L Chlorodenzene ND 1.0 ug/L Chlorodenzene ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chlorotothuene ND 1.0 ug/L Chlorotothuene ND 1.0 ug/L C-Chlorotothuene ND 1.0 ug/L C-Chlorotothane ND 1.0 ug/L C-Chlorothane ND 1.0 ug/L				•
Benzene ND				-
Bromochorzene	-			_
### Bromochloromethane ND 1.0 ug/L ### Bromodichloromethane ND 1.0 ug/L ### Bromoform ND 1.0 ug/L ### Bromomethane ND 1.0 ug/L ### Carbon disulfide ND 1.0 ug/L ### Carbon disulfide 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 ### Chlorothane ND 1.0 ug/L ### Chlorothane ND 1.0 ug/L ### Chlorotoluene ND 1.0 ug/L ### Ug/L ### Dibromomethane ND 1.0 ug/L ###				
Bromodichloromethane				-
Bromoform				-
### Bromomethane ND				-
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 Chloroethyl vinyl ether ND 1.0 ug/L Chloroform ND 1.0 ug/L Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0				
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 Chloroform ND 1.0 ug/L Chloroform ND 1.0 ug/L Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L 1,2-Dibromo-3- ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND 1.0				•
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 Chloroethyl vinyl ether ND 1.0 ug/L Chloroform ND 1.0 ug/L Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND 1.0				
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 1.0 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 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND	-			_
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 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 Chlorotoluene ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 1.0 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 1,4-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene 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 Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 1.0 ug/L chloropropane (DBCP) 1 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,1-Dichloroethane ND <	-			
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 Chloroform ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dibromoethane 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 1,1-Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethene ND				
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 Chloroform ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 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 1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene 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- ND 2.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dibromoethane 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- ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene				-
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- ND 2.0 ug/L chloropropane (DBCP) 1.2-Dibromoethane ND 1.0 ug/L 1,2-Dibromoethane 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- ND 1.0 ug/L 2-butene Dichlorodifluoromethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 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- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroenzene ND 1.0 ug/L 2-butene 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				_
Chloromethane ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 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- ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	-			=
2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromomethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 2-butene Dichlorodifluoromethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 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			1.0	
4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 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- ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene 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 1,2-Dichloroethane ND 1.0 ug/L 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			1.0	-
chloropropane (DBCP) 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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene 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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L		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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	• - • • • • • • • • • • • • • • • • • •	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- ND 1.0 ug/L 2-butene 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	1,2-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 2-butene 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	•	ND	1.0	=
trans-1,4-Dichloro- ND 1.0 ug/L 2-butene 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		ND	1.0	ug/L
2-butene 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	·	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	•			
1,2-DichloroethaneND1.0ug/Lcis-1,2-DichloroetheneND1.0ug/Ltrans-1,2-DichloroetheneND1.0ug/L1,1-DichloroetheneND1.0ug/L	Dichlorodifluoromethane	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	1,1-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	•	ND	1.0	
trans-1,2-Dichloroethene ND 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	•		1.0	ug/L
1,1-Dichloroethene ND 1.0 ug/L		ND	1.0	
	•		1.0	ug/L
	•	ND		ug/L

Client Sample ID: MW-5 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-019 Work Order #...: L06R11AH Matrix..... WG

		DDDODETN	
		REPORTIN	
PARAMETER	RESULT	<u>LIMIT</u> 1.0	UNITS
1,2-Dichloropropane	ND		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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	${ t ug/L}$
(MTBE)			
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	\mathtt{ug}/\mathtt{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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene	1117	1.0	~9/ 1
	3 /	1.0	ug/L
1,1,1-Trichloroethane	3.4	1.0	ug/ n

Client Sample ID: MW-5 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-019	Work Order #:	L06R11AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	104	(73 - 122)	
1,2-Dichloroethane-d4	85	(61 - 128)	
Toluene-d8	99	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

Client Sample ID: MW-5 05 10

DISSOLVED Metals

Matrix..... WG

Lot-Sample #...: A0E070460-019

Date Sampled...: 05/05/10 15:43 Date Received..: 05/07/10

REPORTING PREPARATION-WORK PARAMETER ___ RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Prep Batch #...: 0130012 05/10-05/11/10 L06R11AD SW846 6010B Arsenic 10.0 ua/L NDDilution Factor: 1 05/10-05/11/10 L06R11AA SW846 6010B Chromium ND 5.0 ug/L Dilution Factor: 1 05/10-05/11/10 L06R11AE 40.0 ug/L SW846 6010B Nickel ND Dilution Factor: 1 05/10-05/11/10 L06R11AC 3.0 ug/L SW846 6010B ND Lead Dilution Factor: 1

Client Sample ID: MW-5 05 10

General Chemistry

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ation Facto	mg/L or: 1	SW846 9012A	05/17/10	0137360
Total Phenols	ND Di lı	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

REPORTING PARAMETER RESULT 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 Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L
Acetone
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 Bromomethane ND 1.0 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
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
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
Bromochloromethane ND 1.0 ug/L Bromodichloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L
Bromodichloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L
Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L
Bromomethane ND 1.0 ug/L
DI OMOMO CITATIO
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- ND 2.0 ug/L
chloropropane (DBCP)
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- ND 1.0 ug/L
2-butene
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

Client Sample ID: D12 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460	-020 Work Order #	#: L06R41AH	Matrix WG
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		DEDODETI	ra.	
	DEGIII M	REPORTIN		
PARAMETER	RESULT	LIMIT 1 0	<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	\mathtt{ug}/\mathtt{L}	
Methylene chloride	ND	1.0	ug/L	
Methyl methacrylate	ND	2.0	ug/L	
4-Methyl-2-pentanone	ND	10	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	5.0	ug/L	-
(MTBE)				
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-	ND	1.0	ug/L	
1,2,2-trifluoroethane				
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 ug/L	
Trichlorothene	ND	1.0	ug/L	
	ND	1.0	ug/L	
1,2,4-Trichloro-	אות	1.0	ад/ п	
benzene	NT	1 0	ug/T	
1,1,1-Trichloroethane	ND	1.0	ug/L	

Client Sample ID: D12 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-020	Work Order #:	L06R41AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	96	(73 - 122)	
1,2-Dichloroethane-d4	82	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

Client Sample ID: D12 05 10

DISSOLVED Metals

Matrix....: WG

Lot-Sample #...: A0E070460-020

Date Sampled...: 05/05/10 13:49 Date Received..: 05/07/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	: 0130012 ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R41AD
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R41AA
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R41AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R41AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

		T) TI TI (A) TI (M) W W W	
	RESULT	REPORTIN LIMIT	UNITS
PARAMETER Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
-	ND ND	1.0	ug/L
Benzene	ND	1.0	ug/L ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND ND	1.0	ug/L ug/L
Bromodichloromethane		1.0	_
Bromoform	ND		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	\mathtt{ug}/\mathtt{L}
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	\mathtt{ug}/\mathtt{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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			•
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
proutotorrantomername	7417	2.0	ug/ L

Client Sample ID: D8 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-021	Work Order #.	: L06R61AH	Matrix WG
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		222022	
	DESCRIPTION OF THE PROPERTY OF	REPORTIN	-
PARAMETER	RESULT	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	ND .	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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
	ND	1.0	ug/L
1,1,2-Trichloro-	ND	1.0	ug/ H
1,2,2-trifluoroethane	NID	1 0	1107 /T
1,2,4-Trimethylbenzene	ND	1.0 1.0	ug/L
1,3,5-Trimethylbenzene	ND		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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: D8 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-021	Work Order #:	L06R61AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	101	(73 - 122)	·
1,2-Dichloroethane-d4	83	(61 - 128)	
Toluene-d8	95	(76 - 110)	
4-Bromofluorobenzene	94	(74 - 116)	

Client Sample ID: D8 05 10

DISSOLVED Metals

Matrix....: WG

Lot-Sample #...: A0E070460-021

Date Sampled...: 05/05/10 10:48 Date Received..: 05/07/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	.: 0130012 ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R61AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R61AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R61AE
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R61AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

		REPORTIN	r G
	RESULT	LIMIT	UNITS
PARAMETER	ND	10	ug/L
Accetone 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
	ND	10	ug/L
Methyl ethyl ketone	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L ug/L
Carbon disulfide	ND ND	1.0	ug/L
Carbon tetrachloride	ND ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND ND	10	ug/L
2-Chloroethyl vinyl ether	ND	1.0	ug/L
Chloroform		1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L ug/L
1,2-Dibromo-3-	ND	2.0	, αg/ L
chloropropane (DBCP)	NTD	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	-
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND		ug/L
1,4-Dichlorobenzene	ND	1.0 1.0	ug/L
trans-1,4-Dichloro-	ND	1.0	ug/L
2-butene		1 0	 /T
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

Client Sample ID: 9D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-022 Work Order #...: L06R81AH Matrix..... WG

		REPORTIN	IG
PARAMETER	RESULT	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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)	-1		-5.
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			5 .
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-	ND	1.0	ug/L
benzene	1112	 0	~=, -
1,1,1-Trichloroethane	ND	1.0	ug/L
T' T' T = IT TCIITOTOGCIIGIIG	TAT	4.0	~g, ~

Client Sample ID: 9D 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-022	Work Order #:	L06R81AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	105	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	99	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R81AD
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R81AA
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R81AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R81AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND	0.040	mg/L .or: 1	MCAWW 420.1	05/17/10	0137201

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

		REPORTING	
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: 7D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-023 Work Order #...: L06R91AH Matrix..... WG

		DEDODMING	•
DA DAMEUED	RESULT	REPORTINO LIMIT	UNITS
PARAMETER	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane cis-1,3-Dichloropropene	ND ND	1.0	ug/L
	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene Diethyl ether	ND	2.0	ug/L
-	ND	1.0	ug/L
Ethyl methacrylate Hexachlorobutadiene	ND	1.0	ug/L
	ND	10	ug/L
2-Hexanone Iodomethane	ND	1.0	ug/L
	ND	1.0	ug/L
Isopropylbenzene		1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND		ug/L ug/L
Methyl methacrylate	ND	2.0	-
4-Methyl-2-pentanone	ND	10	ug/L
(MIBK)	370	FΛ	
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)	3.770	1 0	/T
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			,_
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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: 7D 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-023	Work Order #:	L06R91AH	Matrix: WG
		REPORTING	•
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	102	(73 - 122)	
1,2-Dichloroethane-d4	83	(61 - 128)	
Toluene-d8	95	(76 - 110)	
4-Bromofluorobenzene	94	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER · #
Prep Batch #	: 0130014					
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R91AD
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R91AA
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R91AE
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/10-05/11/10	L06R91AC

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Facto	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

REPORTING
PARAMETER RESULT 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- ND 2.0 ug/L
chloropropane (DBCP)
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- ND 1.0 ug/L
2-butene
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

Client Sample ID: MW-103 05 10

GC/MS Volatiles

Lot-Sample #...: A0E070460-024 Work Order #...: L06TA1AH Matrix...... WG

		D=D0D=T1	
	DECLIFE	REPORTIN	
PARAMETER	RESULT	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	$\mathtt{ug/L}$
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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane	1/10		ug/h
1,2,4-Trimethylbenzene	ND	1.0	110 / T
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl acetate	ND		ug/L
Vinyl acetate Vinyl chloride		2.0	ug/L
-	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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: MW-103 05 10

GC/MS Volatiles

Lot-Sample #: A0E070460-024	Work Order #:	: L06TA1AH	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	101	(73 - 122)	
1,2-Dichloroethane-d4	82	(61 - 128)	
Toluene-d8	97	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

Client Sample ID: MW-103 05 10

DISSOLVED Metals

Lot-Sample #...: A0E070460-024

ND

3.0

Dilution Factor: 1

Date Sampled...: 05/05/10

Lead

Date Received..: 05/07/10

Matrix..... WG

05/10-05/11/10 L06TA1AC

REPORTING PREPARATION-WORK PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Prep Batch #...: 0130014 Arsenic ND10.0 SW846 6010B ug/L 05/10-05/11/10 L06TA1AD Dilution Factor: 1 Chromium ND 5.0 SW846 6010B ug/L 05/10-05/11/10 L06TA1AA Dilution Factor: 1 Nickel ND 40.0 SW846 6010B ug/L 05/10-05/11/10 L06TA1AE Dilution Factor: 1

SW846 6010B

ug/L

129 of 226

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/17/10	0137201

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

Dilution Factor: 1	Method	: CFR136A	CFR136A 624		
		REPORTI	REPORTING		
PARAMETER	RESULT	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	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		
	PERCENT	RECOVER	Ĭ.		
SURROGATE	RECOVERY	LIMITS			
1,2-Dichloroethane-d4	109	(80 - 12			
Toluene-d8	101	(84 - 13			
Bromofluorobenzene	89	(81 - 1	12)		

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

		REPORTIN	r G
PARAMETER	RESULT	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	ND	10	ug/L
ether			
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane			
bis(2-Chloroethyl)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			
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

Client Sample ID: RWB16 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #	10F070460-025	Work Order #	• T.O.6TC1AE	Matrix	· WG
LOT-Sample #	AUBU / U40U=U40	MOLK OLUCE #	TOOLCIAD	MOLLIA	

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	
2,4-Dinitrotoluene	ND	<u>BIFIT</u>	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)	ND	10	ug/L	
phthalate	TAD	10	dg/ E	
Fluoranthene	ND	10	ug/L	
Fluorene	ND	10	ug/L	
Hexachlorobenzene	ND	10	ug/L	
Hexachlorobutadiene	ND	10	ug/L	
Hexachlorocyclopenta-	ND	10	ug/L	
diene		10	αg/ H	
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-	ND	10	ug/L	
amine				
Pentachlorophenol	ND	10	ug/L	
Phenanthrene	ND	10	ug/L	
Phenol	ND	10	ug/L	
Pyrene	ND	10	ug/L	
1,2,4-Trichloro-	ND	10	ug/L	
benzene				
2,4,6-Trichloro-	ND	10	ug/L	
phenol				
	PERCENT	RECOVER	Z.	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	63	(10 - 13	35)	
Phenol-d5	63	(10 - 13	32)	
2,4,6-Tribromophenol	70	(10 - 14	12)	
2-Fluorobiphenyl	58	(38 - 13	LO)	
Terphenyl-d14	75	(24 - 13)	35)	
Nitrobenzene-d5	63	(44 - 11	LO)	

Client Sample ID: RWB16 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E070460-025	Work Order #: L06TC1AA	Matrix WG
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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

Decachlorobiphenyl

Dilution Factor: 1 Method.....: CFR136A 608

30

		REPORTIN	G.
PARAMETER	RESULT	LIMIT	_ <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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	67	(15 - 13	1)

(10 - 114)

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

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	
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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	87	(10 - 151)	-	
Decachlorobiphenyl	46	(10 - 151)		
Decreit of optimizing t	20	(======================================		

NOTE(S):

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

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

PARAMETER	RESULT	RL _	<u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
	Dilu	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
	Dilu	tion Facto	or: 1			
Total Cyanide	ND Dilu	0.010	mg/L or: 1	SM18 4500-CN E	05/14/10	0134251

Client Sample ID: RWB23 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #...: A0E070460-026 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			
		REPORTIN	r G	
PARAMETER	RESULT	LIMIT	<u>UNITS</u>	
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	${ t ug/L}$	
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	${ t ug/L}$	
trans-1,3-Dichloropropene	ND	8.0	${ t ug/L}$	
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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS _		
1,2-Dichloroethane-d4	105	(80 - 12	25)	
Toluene-d8	102	(84 - 11		
Bromofluorobenzene	88	(81 - 11		
		•		

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

REPORTING	
	IITS
o-Cresol ND 10 ug/	
m-Cresol ND 10 ug/	
p-Cresol ND 10 ug/	•
Acenaphthene ND 10 ug/	
Acenaphthylene ND 10 ug/	
Anthracene ND 10 ug/	
Benzidine ND 100 ug/	
Benzo(a) anthracene ND 10 ug/	
Benzo(a) pyrene ND 10 ug/	
Benzo(b) fluoranthene ND 10 ug/	g/L
Benzo(ghi)perylene ND 10 ug/	g/L
Benzo(k) fluoranthene ND 10 ug/	g/L
4-Bromophenyl phenyl ND 10 ug/	J/L
ether	
Butyl benzyl phthalate ND 10 ug/	g/L
bis(2-Chloroethoxy) ND 10 ug/	J/L
methane	
bis(2-Chloroethyl) - ND 10 ug/	g/L
ether	
bis(2-Chloroisopropyl) ND 10 ug/	g/L
ether	
p-Chloro-m-cresol ND 10 ug/	g/L
2-Chloronaphthalene ND 10 ug/	g/L
2-Chlorophenol ND 10 ug/	g/L
4-Chlorophenyl phenyl ND 10 ug/	g/L
ether	
Chrysene ND 10 ug/	g/L
Dibenz(a,h)anthracene ND 10 ug/	-
Di-n-butyl phthalate ND 10 ug/	g/L
1,2-Dichlorobenzene ND 10 ug/	g/L
1,3-Dichlorobenzene ND 10 ug/	g/L
1,4-Dichlorobenzene ND 10 ug/	
3,3'-Dichlorobenzidine ND 10 ug/	
2,4-Dichlorophenol ND 10 ug/	g/L
Diethyl phthalate ND 10 ug/	
2,4-Dimethylphenol ND 10 ug/	-
Dimethyl phthalate ND 10 ug/	
4,6-Dinitro-o-cresol ND 50 ug/	
2,4-Dinitrophenol ND 50 ug/	g/L

Client Sample ID: RWB23 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #: A0E070460-026	Work Order #: L06TG1AE	Matrix WG
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		REPORTING	
PARAMETER	RESULT	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)	ND	10	ug/L
phthalate	110		-5, -
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	·ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene			
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-	ND	10	ug/L
amine			
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-	ND	10	ug/L
benzene			
2,4,6-Trichloro-	ND	10	ug/L
phenol			
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
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)

Client Sample ID: RWB23 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #:	A0E070460-026	Work	Order	#:	L06TG1AA	Matrix WG
					05 /05 /10	

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

Decachlorobiphenyl

Dilution Factor: 1 Method....: CFR136A 608

31

		REPORTIN	īG
PARAMETER	RESULT	LIMIT	<u>UNITS</u>
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	${\tt ug/L}$
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	7
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	87	(15 - 13	31)

(10 - 114)

Client Sample ID: RWB23 05 10 (GRAB)

GC Semivolatiles

Matrix....: WG Lot-Sample #...: A0E070460-026 Work Order #...: L06TG1AC

Date Sampled...: 05/06/10 09:50 Date Received..: 05/07/10 Prep Date....: 05/11/10
Prep Batch #...: 0131044 Analysis Date..: 05/13/10

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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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
	Dilu	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
·	Dilu	tion Facto	or: 1			
Total Cyanide	ND Dilu	0.010	mg/L or: 1	SM18 4500-CN E	05/14/10	0134251

Client Sample ID: EW-2 05 10 (GRAB)

GC/MS Volatiles

Lot-Sample #: A0E070460-027 Date Sampled: 05/06/10 11:40 Prep Date: 05/13/10 Prep Batch #: 0133353	Work Order #: Date Received: Analysis Date:	05/07/10	Matrix WG
Dilution Factor: 2.5	Method:	CFR136A 62	4
DADAMERED	RESULT	REPORTING LIMIT	UNITS
PARAMETER 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)	-
	100	(04 110)	

(84 - 110)

(81 - 112)

102

86

Toluene-d8

Bromofluorobenzene

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

		REPORTIN	rc.
DADA MERINISTA	RESULT	LIMIT	UNITS
PARAMETER	ND	10	ug/L
o-Cresol	ND ND	10	ug/L
m-Cresol		10	ug/L
p-Cresol	ND		
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	${ m ND}$	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)	ND	10	ug/L
methane			
bis(2-Chloroethy1)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			
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
	ND	50	ug/L
4,6-Dinitro-o-cresol	ND ND	50	ug/L
2,4-Dinitrophenol	עות	J (49/11

Client Sample ID: EW-2 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #: A0E070460-027	Work Order #:	L06TK1AE	Matrix: WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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)	ND	10	ug/L
phthalate			
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene			
Hexachloroethane	ND	10	$\mathtt{ug/L}$
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-	ND	10	ug/L
amine			
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-	ND	10	ug/L
benzene			
2,4,6-Trichloro-	ND	10	ug/L
phenol			
_			
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	<u>LIMITS</u>	_
2-Fluorophenol	63	(10 - 135)	
Phenol-d5	64	(10 - 132)	
2,4,6-Tribromophenol	69	(10 - 142)	ł
2-Fluorobiphenyl	58	(38 - 110)	•
Terphenyl-d14	69	(24 - 135)	
Nitrobenzene-d5	66	(44 - 110)	•

Client Sample ID: EW-2 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E070460-027	Work Order #: L06TK1AA	Matrix WG
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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		
		REPORTI	NG
PARAMETER	RESULT	LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	ug/L
Aroclor 1232	ND	1.0	${ t ug/L}$
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	RECOVER	Y
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	85	(15 - 1	31)
Decachlorobiphenvl	50	(10 - 1)	14)

Client Sample ID: EW-2 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E070460-027	Work Order #: L06TK1AC	Matrix WG
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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	CFR136A 608		
		REPORTIN	īG		
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{L}		
Toxaphene	ND	2.0	ug/L		
	PERCENT	RECOVERY	Z.		
SURROGATE	RECOVERY	LIMITS			
Tetrachloro-m-xylene	69	(10 - 15)	51)		
_ 17 3 1 7	A C	/10 15	:1 \		

Toxaphene	ND	2.0
	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
Tetrachloro-m-xylene	69	(10 - 151)
Decachlorobiphenyl	46	(10 - 151)

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/14/10	0134056
	I	Dilution Facto	r: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/14/10	0134058
 ,	I	Dilution Facto	r: 1	•		,
Total Cyanide	0.016	0.010 Dilution Facto	mg/L or: 1	SM18 4500-CN E	05/14/10	0134251

Client Sample ID: RWB16 05 10 (COMP)

TOTAL Metals

Matrix..... WG

Lot-Sample #...: A0E070460-028

Date Correled . 05/06/10 09:30 Pate Received : 05/07/10

Date Sampled: 05/06/10 09:30 Date Received: 05/07/10								
PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #			
Prep Batch # Silver	.: 0130013 ND	1.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AA			
Arsenic	ND	5.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AC			
Beryllium	ND	1.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AK			
Cadmium	ND	1.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AD			
Chromium	ND	2.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AE			
Copper	ND	2.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AF			
Mercury	ND	0.20 ug/L Dilution Factor: 1	MCAWW 245.1	05/10-05/11/10	L06TM1AP			
Nickel	ND	2.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AG			
Lead	ND	1.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AH			
Antimony	ND	2.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AL			
Selenium	ND	5.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AM			
Thallium	ND	1.0 ug/L Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	L06TM1AN			
Zinc	ND	10.0 ug/L	MCAWW 200.8	05/10-05/11/10	L06TM1AJ			

Dilution Factor: 1

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
	Dilı	ution Facto	or: 1			
Nitrogen, as Ammonia		0.2	mg/L or: 1	SM18 4500NH3-F	05/18/10	0138248
Total phosphorus	0.16	0.10	mg/L or: 1	SM18 4500-P E	05/14/10	0134419
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096
	Dil	ution Facto	or: 1			

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

		REPORTIN	i G		PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #						-06-04-3
Silver	ND		ug/L	MCAWW 200.8	05/10-05/11/10	LU6T2TAA
		Dilution Fac	tor: 1			
7	MD	5.0	ng/T	MCAWW 200.8	05/10-05/11/10	T.በ6ሞ21 ልሮ
Arsenic	ND	Dilution Fac		MCAWW 200.0	03/10 03/11/10	B00121110
		Dilucion rac	COI. I	,		
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AK
2017 222 42		Dilution Fac				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AD
		Dilution Fac	tor: 1			
					05.40.05.44.40	. 0 (
Chromium	ND		ug/L	MCAWW 200.8	05/10-05/11/10	LU6T21AE
		Dilution Fac	tor: 1			
Gamman	4.1	2.0	na/T.	MCAWW 200.8	05/10-05/11/10	T-06T21AF
Copper	4.1	Dilution Fac	_	ERCAPPEW 200.0	03/10 03/11/10	200222
		Dilucion Fac	.001. 1			
Mercury	ND	0.20	ua/L	MCAWW 245.1	05/10-05/11/10	L06T21AP
1101 0 011 /		Dilution Fac	_			
Nickel	11.1	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AG
		Dilution Fac	ctor: 1			
			-		05/10 05/11/10	T 0 C = 0 1 3 II
Lead	ND	1.0	_	MCAWW 200.8	05/10-05/11/10	F09.1.5TAH
		Dilution Fac	ctor: 1			
Antimony	ND	2.0	ua/I.	MCAWW 200.8	05/10-05/11/10	L06T21AL
Affermony	ND .	Dilution Fac	_	11011,000	00, 20 00, 22, 23	
		DITUCION 1 ac				
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AM
		Dilution Fac	ctor: 1			
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L06T21AN
		Dilution Fac	ctor: 1			
_		46.0		MONTHUE DOO O	OE /10 OE /11 /10	ነ ፐብራመን1 ኣ ፕ
Zinc	44.2	10.0	-	MCAWW 200.8	05/10-05/11/10	LUGIZIAU
		Dilution Fac	ctor: 1			

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
panara (bob)	Dil	ution Facto	or: 1			
Nitrogen, as Ammonia		0.2 ution Facto	mg/L or: 1	SM18 4500NH3-F	05/18/10	0138248
Total phosphorus	ND pil	0.10 ution Facto	mg/L or: 1	SM18 4500-P E	05/14/10	0134419
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096
	Dil	ution Facto	or: 1			

Client Sample ID: EW-2 05 10 (COMP)

TOTAL Metals

Lot-Sample #...: A0E070460-030 Matrix....: WG

Date Sampled...: 05/06/10 11:40 Date Received..: 05/07/10

PARAMETER	RESULT	REPORTING	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	.: 0130013 ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AA
Arsenic	ND	5.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AC
Beryllium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AK
Cadmium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AD
Chromium	3.2	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AE
Copper	170	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AF
Mercury	ND	0.20 Dilution Fact	ug/L .or: 1	MCAWW 245.1	05/10-05/11/10	L06T51AP
Nickel	5.1	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	05/10-05/11/10	L06T51AG
Lead	57.0	1.0 Dilution Fact	ug/L	MCAWW 200.8	05/10-05/11/10	L06T51AH
Antimony	ND	2.0 Dilution Fact	ug/L cor: 1	MCAWW 200.8	05/10-05/11/10	L06T51AL
Selenium	ND	5.0 Dilution Fact	ug/L cor: 1	MCAWW 200.8	05/10-05/11/10	L06T51AM
Thallium	ND	1.0 Dilution Fact	ug/L cor: 1	MCAWW 200.8	05/10-05/11/10	L06T51AN
Zinc	124	10.0 Dilution Fact	ug/L cor: 1	MCAWW 200.8	05/10-05/11/10	L06T51AJ

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

PARAMETER	RESULT	RL	<u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH #</u>
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/07-05/12/10	0127405
,	Dilı	tion Facto	or: 1			
Nitrogen, as Ammonia	0.3	0.2	mg/L	SM18 4500NH3-F	05/18/10	0138248
	Dilı	ition Facto	or: 1			
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/14/10	0134419
	Dilı	ution Facto	or: 1			
Total Suspended Solids	6.0	4.0	mg/L	SM18 2540 D	05/12/10	0132096
	Dil	ition Facto	or: 1			



QUALITY CONTROL SECTION

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1GQ91AA Matrix.....: WATER

MB Lot-Sample #: A0E130000-353

Prep Date....: 05/12/10
Prep Batch #...: 0133353

Analysis Date..: 05/12/10

Dilution Factor: 1

RE		

		IVEL OIGETA	.00	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	\mathtt{ug}/\mathtt{L}	CFR136A 624
trans-1,2-Dichloroethene	ND	1.0	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{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	${\tt ug/L}$	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	\mathtt{ug}/\mathtt{L}	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	\mathtt{ug}/\mathtt{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
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS_		
1,2-Dichloroethane-d4	106	(80 - 1	25)	
Toluene-d8	102	(84 - 1	10)	
Bromofluorobenzene	88	(81 - 1	12)	

NOTE(S):

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AA Matrix.....: WATER

MB Lot-Sample #: A0E130000-306

Prep Date....: 05/12/10

Analysis Date..: 05/12/10 Prep Batch #...: 0133306

Dilution Factor: 1

		REPORTII	1G		
PARAMETER	RESULT	<u>LIMIT</u>	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	\mathtt{ug}/\mathtt{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	${\tt ug/L}$	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	\mathtt{ug}/\mathtt{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-	ND	1.0	ug/L	SW846 8260B	
2-butene					
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	

GC/MS Volatiles

		REPORTI	NG	
PARAMETER	RESULT	<u>LIMIT</u>	UNITS	METHOD
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
, 1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND .	1.0	ug/L	SW846 8260B
rans-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
richlorofluoromethane	ND	1.0	ug/L	SW846 8260B
n-Heptane	ND	1.0	ug/L	SW846 8260B
Mexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
?-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
o-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
Vaphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
L,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
L,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Petrahydrofuran	ND	5.0	ug/L	SW846 8260B
Coluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-	ND	1.0	ug/L	SW846 8260B
benzene	11.0		5.	
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-	ND	1.0	ug/L	SW846 8260B
1,2,2-trifluoroethane	112		5. –	
1,2,2-triffuoroethane 1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl acetate Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
n-Xylene % p-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
m-xylene & p-xylene 1,2-Dibromo-3-	ND	2.0	ug/L	SW846 8260B
•	IND	2.0	~9/ H	2
chloropropane (DBCP)	MID	10	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	ΤO	ug/ 11	5,,,010 02000
(MIBK)	NTI	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	٥.٠	ug/11	DW0-10 0200D

(Continued on next page)

(MTBE)

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AA Matrix....: WATER REPORTING PARAMETER <u>LIMIT UNITS METHOD</u> PERCENT RECOVERY SURROGATE LIMITS RECOVERY Dibromofluoromethane 102 (73 - 122)(61 - 128)91 1,2-Dichloroethane-d4 (76 - 110) 97 Toluene-d8 4-Bromofluorobenzene (74 - 116)97

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AA Matrix.....: WATER

MB Lot-Sample #: A0E140000-106

Prep Date....: 05/13/10

Analysis Date..: 05/13/10 Prep Batch #...: 0134106

Dilution Factor: 1

		REPORTI	NG	
PARAMETER	RESULT	LIMIT	<u>UNITS</u>	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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{L}	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-	ND	2.0	ug/L	SW846 8260B
chloropropane (DBCP)		•		
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	\mathtt{ug}/\mathtt{L}	SW846 8260B
trans-1,4-Dichloro-	ND	1.0	ug/L	SW846 8260B
2-butene				
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

GC/MS Volatiles

Client Lot #: A0E070460	Work Order #: L1HDX1AA	Matrix WATER

		REPORTII	NG	
PARAMETER	RESULT	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	${\rm N\!D}$	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	ND	10	ug/L	SW846 8260B
(MIBK)				·
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-	ND	1.0	ug/L	SW846 8260B
benzene				
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-	ND	1.0	ug/L	SW846 8260B
1,2,2-trifluoroethane				
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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD
SURROGATE Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene	PERCENT RECOVERY 99 82 94 97	RECOVERY LIMITS (73 - 122) (61 - 128) (76 - 110) (74 - 116)	

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AA Matrix...... WATER

MB Lot-Sample #: A0E140000-166

Prep Date...: 05/12/10
Analysis Date..: 05/12/10
Prep Batch #...: 0134166

Dilution Factor: 1

REPORTING

		REPORTII	NG	
PARAMETER	RESULT	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	${\tt ug/L}$	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Methyl ethyl ketone	ND	10	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	\mathtt{ug}/\mathtt{L}	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	$^{-}\mathrm{ND}$	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-	ND	1.0	ug/L	SW846 8260B
2-butene				
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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{L}	SW846 8260B
1,3-Dichloropropane	ND	1.0	\mathtt{ug}/\mathtt{L}	SW846 8260B

GC/MS Volatiles

Client Lot #: A0E070460	Work Order #: L1HL61AA	Matrix WATER

		REPORTI	1G	
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B
benzene				
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-	ND	1.0	ug/L	SW846 8260B
1,2,2-trifluoroethane				
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-	ND	2.0	ug/L	SW846 8260B
chloropropane (DBCP)				
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
(MIBK)				
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
(MTBE)				

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AA Matrix.....: WATER

		REPORTING	
PARAMETER	RESULT	LIMIT UNITS	<u>METHOD</u>
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	86	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L09D81AA Matrix.....: WATER

MB Lot-Sample #: A0E100000-039
Prep Date....: 05/10/10

Dilution Factor: 1

		REPORTII	1G	
PARAMETER	RESULT	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	ND	10	ug/L	CFR136A 625
ether				
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy)	ND	10	ug/L	CFR136A 625
methane				
bis(2-Chloroethyl)-	ND	10	ug/L	CFR136A 625
ether				
bis(2-Chloroisopropyl)	ND	10	ug/L	CFR136A 625
ether				
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	ND	10	ug/L	CFR136A 625
ether				
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	${\tt ug/L}$	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

GC/MS Semivolatiles

		REPORTING		
PARAMETER	RESULT	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)	ND	10	ug/L	CFR136A 625
phthalate				
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-	ND	10	ug/L	CFR136A 625
diene				
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-	ND	10	ug/L	CFR136A 625
amine		4.0	/ m	CTD1263 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-	ND	10	ug/L	CFR136A 625
phenol				
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	67	(10 - 1		
Phenol-d5	66	(10 - 1	32)	
2,4,6-Tribromophenol	66	(10 - 1)	42)	
2-Fluorobiphenyl	59	(38 - 1	10)	
Terphenyl-d14	78	(24 - 1	35)	
Nitrobenzene-d5	68	(44 - 1)	10)	

MOTE(S).

GC Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L1ANJ1AA Matrix.....: WATER

MB Lot-Sample #: A0E110000-044

Prep Date....: 05/11/10

Analysis Date..: 05/13/10 Prep Batch #...: 0131044

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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	${\tt ug/L}$	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	 79	(10 - 151	.)	
Decachlorobiphenyl	77	(10 - 151	•	

NOTE(S):

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

12/10 Prep Batch #...: 0131045

Dilution Factor: 1

		REPORTING	3	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	88	(15 - 13)	l)	
Decachlorobiphenyl	85	(10 - 114	1)	

NOTE(S):

TOTAL Metals

Client Lot #...: A0E070460 Matrix.....: WATER

D2 D21000000		REPORTING LIMIT		METHOD	PREPARATION- ANALYSIS DATE	WORK
PARAMETER	RESULT	TIMIT	ONIIS	METHOD	MINDIDIO DAID	ORDER II
MB Lot-Sample	#: A0E100000-	013 Prep Ba	atch #:	0130013		
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10) L09C81AL
		Dilution Fact	or: 1			
					05 (40 05 (44 /46	
Arsenic	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AC
		Dilution Fact	cor: 1			
Bervllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AK
DCITILL	21.20	Dilution Fact				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10) L09C81AD
		Dilution Fact	cor: 1			
61	7.77	2.0	ug/L	MCAWW 200.8	05/10-05/11/10) T.09C81AE
Chromium	ND	∠.U Dilution Fact	-	MCAWW 200.0	03/10 03/11/10	HOSCOTAL
		Difactor race				
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10) L09C81AF
		Dilution Fact	tor: 1			
					05/10 05/11/11	
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	LUSCSIAH
		Dilution Fact	cor: 1			
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10) L09C81AP
nercary	142	Dilution Fact	-			
Nickel	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10) L09C81AG
		Dilution Fact	tor: 1			
G = 1 = ==	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10) T.09C81AM
Selenium	עא	Dilution Fact	3 ·	LICHAAAA 200.0	03/10 03/11/10	3 203 00 22 22
		Direction 1 do				
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	D L09C81AA
		Dilution Fac	tor: 1			
					05 /10 05 /11 /1/) T ((((((((((((((((((
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	1 LUSCOTAN
		Dilution Fac	tor: 1			
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	0 L09C81AJ
		Dilution Fac	_			
MOTE (S).						

DISSOLVED Metals

Client Lot #...: A0E070460 Matrix....: WATER

					1			
		REPORTIN	G			PREPARATION-	WORK	
PARAMETER	RESULT	LIMIT	UNITS	METHOL)	ANALYSIS DATE	ORDER #	
7- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4-								
MB Lot-Sample #: A0E100000-012 Prep Batch #: 0130012								
Arsenic	ND	10.0	ug/L	SW846	6010B	05/10-05/11/10	L09C61AD	
		Dilution Fact	tor: 1					
Chromium	ND	5.0	ua/T.	SW846	6010B	05/10-05/11/10	L09C61AA	
CIII OILLI OIL	ND	Dilution Fac	3.	Directo	00202			
Lead	ND	3.0	ug/L	SW846	6010B	05/10-05/11/10	L09C61AC	
		Dilution Fac	tor: 1					
Nickel	ND	40.0	ug/L	SW846	6010B	05/10-05/11/10	L09C61AE	
		Dilution Fac	tor: 1					
MB Lot-Sample :	#. >0 <u></u> 0010000	1-01/ Pren B	atch # ·	0130014				
Arsenic	ND		ug/L		6010B	05/10-05/11/10	L09DA1C1	
ALSEILIC	ND	Dilution Fac	-	511010	00102	00,10 00,11,1		
		Dilacion lac						
Chromium	ND	5.0	ug/L	SW846	6010B	05/10-05/11/10	L09DA1C5	
		Dilution Fac	tor: 1					
Lead	ND	3.0	ug/L	SW846	6010B	05/10-05/11/10	L09DA1C2	
		Dilution Fac	tor: 1					
			•					
Nickel	ND	40.0	ug/L	SW846	6010B	05/10-05/11/10	L09DA1C6	
		Dilution Fac	tor: 1					
NOTE(S):								

General Chemistry

Matrix....: WATER

Client Lot #...: A0E070460

0110110 200					
		REPORTING		PREPARATION-	PREP
PARAMETER	RESULT	<u>LIMIT</u> <u>UNITS</u>	METHOD	ANALYSIS DATE	BATCH #
n-Hexane Extractab	le	Work Order #: L1G7X1AA	MB Lot-Sample #:	A0E140000-056	
Material	ND	5.0 mg/L Dilution Factor: 1	CFR136A 1664A HEM	05/14/10	0134056
n-Hexane Extractab Material, SGT	le	Work Order #: L1G711A	MB Lot-Sample #:	A0E140000-058	
Material, 561	ND	10.0 mg/L Dilution Factor: 1	CFR136A 1664A SGT	05/14/10	0134058
Biochemical Oxygen Demand (BOD)		Work Order #: L07T61A	A MB Lot-Sample #:	A0E070000-405	
Delitaria (202)	ND	2 mg/L Dilution Factor: 1	SM18 5210 B	05/07-05/12/10	0127405
Cyanide, Total	ND	Work Order #: L1L3W1AA 0.010 mg/L Dilution Factor: 1			0137360
Cyanide, Total	ND	Work Order #: L1MDT1AM 0.010 mg/L Dilution Factor: 1	A MB Lot-Sample #: SW846 9012A		0137418
Cyanide, Total	ND	Work Order #: L1MFT1AM 0.010 mg/L Dilution Factor: 1	A MB Lot-Sample #: SW846 9012A		0137439
Nitrogen, as Ammor	nia ND	Work Order #: L1NN41A 0.2 mg/L Dilution Factor: 1			0138248
Total phosphorus	ND	Work Order #: L1J031A 0.10 mg/L Dilution Factor: 1			0134419
Total Cyanide	ND	Work Order #: L1H241A 0.010 mg/L Dilution Factor: 1	A MB Lot-Sample #: SM18 4500-CN E	A0E140000-251 05/14/10	0134251
Total Phenols	ND	Work Order #: L1K3J1A 0.040 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 420.1		0135099

General Chemistry

Client Lot #...: A0E070460 Matrix.....: WATER

CITETO DOC II INDUITATION							
PARAMETER	RESULT	REPORTING LIMIT	G UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #	
Total Phenols	ИD	Work Order 0.040 Dilution Fact	mg/L	MB Lot-Sample #: MCAWW 420.1	A0E170000-201 05/17/10	0137201	
Total Suspended Solids		Work Order	#: L1DEP1AA	MB Lot-Sample #:	A0E120000-096		
DOTING	ND	4.0 Dilution Fact	mg/L cor: 1	SM18 2540 D	05/12/10	0132096	

NOTE(S):

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

PERCENT RECOVERY RPD PARAMETER RECOVERY LIMITS RPD LIMITS METHOD 106 (F4 156)	
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	

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1GQ91AC-LCS Matrix.....: WATER

LCS Lot-Sample#: A0E130000-353

L1GQ91AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	<u>LIMITS</u>	RPD_	<u>LIMITS</u>	METHOD
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
1227 2 3223223	82	(10 - 251)	0.56	(0-30)	CFR136A 624
		PERCENT		ERY	
SURROGATE		RECOVERY	LIMIT	'S	
1,2-Dichloroethane-d4		109	(80 -	125)	
1,2 5101101000110110 01		100	(80 -	. 125)	
Toluene-d8		1.07	(84 -	110)	
TOTACHE GO		103	• .	110)	
Bromofluorobenzene		98	•	112)	
DI OMOLITAGI ODENZENE		93	,	112)	
		<i>,</i> ,	(-	,	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
Chloromethane	74	(48 - 123)			SW846 8260B
	68		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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	<u>LIMITS</u>	METHOD
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
		•			

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	<u>LIMITS</u>	METHOD
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
20120110	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)	2 6	(0.20)	SW846 8260B
	99	(70 - 130)	3.6	(0-30)	SW846 8260B
n-Butylbenzene	87	(70 - 130)	0 0	(0.20)	SW846 8260B
	86	(70 - 130)	2.0	(0-30)	SW846 8260B
sec-Butylbenzene	89	(70 - 130)	2 2	(0.20)	SW846 8260B
	91	(70 - 130)	2.3	(0-30)	SW846 8260B
tert-Butylbenzene	93	(70 - 130)	0 = 4	(0.20)	SW846 8260B SW846 8260B
0 -11 1 1 1	93	(70 - 130)	0.54	(0-30)	SW846 8260B
2-Chlorotoluene	92	(70 - 130)	2 0	(0.30)	SW846 8260B
4 Ghlassatalisa	94	(70 - 130)	2.8	(0-30)	SW846 8260B
4-Chlorotoluene	92	(70 - 130)	4.5	(0-30)	SW846 8260B
Dilinary	96	(70 - 130)	4.5	(0-30)	SW846 8260B
Dibromomethane	95	(70 - 130)	0.30	(0-30)	SW846 8260B
	96	(70 - 130)	0.50	(0-30)	DW040 0200D

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1F9H1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
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)	
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)	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)	
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)	SW846 8260B
		PERCENT	RECOVERY	
SURROGATE		RECOVERY	<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.

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

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
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)	
Vinyl chloride	76	(61 - 120)		SW846 8260B
	77	(61 - 120)	1.8 (0-30)	
Chloroethane	85	(66 - 126)		SW846 8260B
•	81	(66 - 126)	4.9 (0-30)	
Methylene chloride	100	(78 - 118)		SW846 8260B
	100	(78 - 118)	0.080 (0-30)	
Acetone	92	(22 - 200)		SW846 8260B
	95	(22 - 200)	4.1 (0-95)	
Carbon disulfide	95	(73 - 139)		SW846 8260B
	95	(73 - 139)	0.31 (0-30)	
1,1-Dichloroethene	106	(63 - 130)		SW846 8260B
	106	(63 – 130)	0.26 (0-20)	
1,1-Dichloroethane	94	(86 - 123)		SW846 8260B
	94	(86 - 123)	0.54 (0-30)	
Chloroform	90	(84 - 128)		SW846 8260B
	93	(84 - 128)	3.1 (0-30)	
1,2-Dichloroethane	81	(79 - 136)		SW846 8260B
	83	(79 - 136)	2.5 (0-30)	
Methyl ethyl ketone	85	(28 - 237)		SW846 8260B
	87	(28 - 237)	2.9 (0-65)	
1,1,1-Trichloroethane	88	(78 - 140)		SW846 8260B
	89	(78 - 140)	1.2 (0-30)	
Carbon tetrachloride	84	(75 - 149)		SW846 8260B
	84	(75 - 149)	0.98 (0-30	
Bromodichloromethane	80 a	(87 - 130)		SW846 8260B
	80 a	(87 - 130)	0.10 (0-30	
1,2-Dichloropropane	92	(82 - 115)		SW846 8260B
	90	(82 - 115)	2.2 (0-30	
cis-1,3-Dichloropropene	79 a	(84 - 130)		SW846 8260B
	75 a	(84 - 130)	6.2 (0-30	
Trichloroethene	96	(75 - 122)		SW846 8260B
	97	(75 - 122)	1.3 (0-20	
Chlorodibromomethane	77 a	(81 - 138)		SW846 8260B
	77 a	(81 - 138)	0.45 (0-30	
1,1,2-Trichloroethane	90	(83 - 122)		SW846 8260B
	90	(83 - 122)	0.12 (0-30	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AC-LCS Matrix...... WATER

LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD

	PERCENT	RECOVERY		RPD	
	RECOVERY	LIMITS	RPD_	LIMITS	METHOD
PARAMETER	94	(80 - 116)	. 11111		SW846 8260B
Benzene	95	(80 - 116)	1.6	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	73 a	(84 - 130)	1.0	(0 20)	SW846 8260B
Crans-1,3-Dichiolopropene	73 a	(84 - 130)	0.69	(0-30)	SW846 8260B
Bromoform	72 a	(76 - 150)	0.02	(0 00)	SW846 8260B
BLOMOTOLM	75 a	(76 - 150)	3.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone (MIBK	87	(78 - 141)		()))	SW846 8260B
4-Methy 1 2 pendanone (mph	85	(78 - 141)	1.8	(0-32)	SW846 8260B
2-Hexanone	79	(35 - 200)		,	SW846 8260B
Z-mexamone	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
1,1,2,2 10010011101000110110	82 a	(85 - 118)	5.4	(0-30)	SW846 8260B
Toluene	89	(74 - 119)			SW846 8260B
Tordano	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
4-1-	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-	114	(70 - 130)			SW846 8260B
1,2,2-trifluoroethane					
	114	(70 - 130)	0.35	(0-30)	SW846 8260B
Methyl tert-butyl ether	100	(70 - 130)			SW846 8260B
(MTBE)					
	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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AC-LCS Matrix...... WATER

LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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-	80	(70 - 130)			SW846 8260B
propane					
	81	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2,4-Trichloro-	100	(70 - 130)			SW846 8260B
benzene		•			
	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
<u></u>	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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HDX1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: A0E140000-106 L1HDX1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
<u> </u>	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
		PERCENT	RECO\	ÆRV	
SURROGATE		RECOVERY	LIMIT		
Dibromofluoromethane		100		- 122)	
DIDIOITION		102		- 122)	
1,2-Dichloroethane-d4		82	-	- 128)	
I, Z-DICHIOTOECHAHE-U4		87	-	- 128)	
Toluene-d8		94		- 110)	
TOTHETIE-GO		99		- 110)	
4-Bromofluorobenzene		9 <i>9</i> 97		- 116)	
4-Promorrance openzene		99		- 116)	
		وو	(/==	110/	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	<u>LIMITS</u>	METHOD
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)		(0.00)	SW846 8260B
	100	(75 - 122)	0.34	(0-20)	SW846 8260B
Chlorodibromomethane	77 a	(81 - 138)		40.00:	SW846 8260B
	78 a	(81 - 138)	0.93	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(83 - 122)		(0.00)	SW846 8260B
	96	(83 - 122)	3.9	(0-30)	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix...... WATER

LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
I, Z DIDIOMOECHANE	91	(70 - 130)	1.2	(0-30)	SW846 8260B
Isopropylbenzene	92	(70 - 130)		()	SW846 8260B
TROPTOPYTHEITSEITE	94	(70 - 130)	2.0	(0-30)	SW846 8260B
) +	(10 130)	2.0	(0 50)	2

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix...... WATER

LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L1HL61AC-LCS Matrix....: WATER

LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
		PERCENT	RECOV	/ERY	
SURROGATE		RECOVERY	LIMIT		
Dibromofluoromethane		100		- 122)	
Distributed of the circuit		96		- 122)	
1,2-Dichloroethane-d4		87		- 128)	
a, a brothe committee of		87		- 128)	
Toluene-d8		100		- 110)	
10140110 40		100		- 110)	
4-Bromofluorobenzene		97		- 116)	
		94		- 116)	
			,		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

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

PERCENT	RECOVERY	
RECOVERY	LIMITS	METHOD
72	(54 - 110)	CFR136A 625
75	(52 - 110)	CFR136A 625
73	(54 - 110)	CFR136A 625
76	(48 - 112)	CFR136A 625
65	(51 - 111)	CFR136A 625
76	(55 - 110)	CFR136A 625
76	(45 - 113)	CFR136A 625
7 5	(53 - 114)	CFR136A 625
74	(56 - 110)	CFR136A 625
74	(44 - 129)	CFR136A 625
74	(60 - 110)	CFR136A 625
76	(63 - 115)	CFR136A 625
77	(55 - 120)	CFR136A 625
,		
78	(58 - 110)	CFR136A 625
70	(50 - 110)	CFR136A 625
77	(60 - 110)	CFR136A 625
75	(57 - 110)	CFR136A 625
74	(53 - 118)	CFR136A 625
78	(51 - 114)	CFR136A 625
76	(49 - 110)	CFR136A 625
64	(38 - 110)	CFR136A 625
61	(33 - 110)	CFR136A 625
69	(35 - 110)	CFR136A 625
52	(19 - 110)	CFR136A 625
75	(63 - 110)	CFR136A 625
68	(10 - 117)	CFR136A 625
60	(10 - 115)	CFR136A 625
50	(10 - 115)	CFR136A 625
70	(10 - 138)	CFR136A 625
	72 75 73 76 65 76 76 75 74 74 74 76 77 78 70 77 75 74 78 76 64 61 69 52 75 68 60 50	RECOVERY LIMITS 72 (54 - 110) 75 (52 - 110) 76 (48 - 112) 65 (51 - 111) 76 (45 - 113) 75 (53 - 114) 74 (56 - 110) 74 (44 - 129) 74 (60 - 110) 76 (63 - 115) 77 (55 - 120) 78 (58 - 110) 70 (50 - 110) 75 (57 - 110) 74 (53 - 110) 75 (57 - 110) 74 (53 - 110) 75 (57 - 110) 75 (57 - 110) 75 (57 - 110) 76 (49 - 110) 75 (49 - 110) 75 (57 - 110) 75 (63 - 110) 75 (63 - 110) 75 (63 - 110) 75 (63 - 110) 75 (61 - 110) 75 (79 - 110) 75

GC/MS Semivolatiles

Client Lot #...: A0E070460 Work Order #...: L09D81AC Matrix...... WATER

LCS Lot-Sample#: A0E100000-039

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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)	75	(50 - 134)	CFR136A 625
phthalate			
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-	81	(57 - 110)	CFR136A 625
amine			
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-	62	(42 - 112)	CFR136A 625
benzene			
2,4,6-Trichloro-	77	(54 - 110)	CFR136A 625
phenol			
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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)

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.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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.

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

 PERCENT
 RECOVERY

 PARAMETER
 RECOVERY
 LIMITS
 METHOD

 Aroclor 1016
 98
 (50 - 114)
 CFR136A 608

 Aroclor 1260
 97
 (8.0- 127)
 CFR136A 608

 SURROGATE
 RECOVERY
 LIMITS

 Tetrachloro-m-xylene
 85
 (15 - 131)

 Decachlorobiphenyl
 56
 (10 - 114)

NOTE(S):_

 $\label{lem:calculations} \textbf{Calculations} \ \textbf{are} \ \textbf{performed} \ \textbf{before} \ \textbf{rounding} \ \textbf{to} \ \textbf{avoid} \ \textbf{round-off} \ \textbf{errors} \ \textbf{in} \ \textbf{calculated} \ \textbf{results}.$

TOTAL Metals

Client Lot #:	A0E070460			Matrix	WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Silver	A0E100000- 97		MCAWW 200.8 pr: 1	05/10-05/11/10	L09C81AQ
Arsenic	92	(85 - 115) Dilution Facto	MCAWW 200.8 or: 1	05/10-05/11/10	L09C81AR
Cadmium	94	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81AT
Chromium	92	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81AU
Copper	99	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81AV
Nickel	98	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81AW
Lead	87	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81AX
Zinc	104	(85 - 115) Dilution Fact	MCAWW 200.8 or: 1	05/10-05/11/10	L09C81A0
Beryllium	92	(85 - 115) Dilution Fact	MCAWW 200.8 or: 1	05/10-05/11/10	L09C81A1
Antimony	91	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81A2
Selenium	93	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/11/10	L09C81A3
Thallium	88	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/12/10	L09C81A4
Mercury	89	(85 - 115) Dilution Fact		05/10-05/11/10	L09C81A5

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

DISSOLVED Metals

Client Lot #:	A0E070460			Matrix	: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Chromium			tch #: 0130012 SW846 6010B or: 1	05/10-05/11/10	L09C61AF
Lead	108	(80 - 120) Dilution Facto	SW846 6010B or: 1	05/10-05/11/10	L09C61AG
Arsenic	103	(80 - 120) Dilution Facto	SW846 6010B	05/10-05/11/10	L09C61AH
Nickel	108	(80 - 120) Dilution Facto	5	05/10-05/11/10	L09C61AJ
LCS Lot-Sample#: Arsenic	A0E100000- 104		2	05/10-05/11/10	L09DA1DU
Lead	105	(80 - 120) Dilution Facto	SW846 6010B	05/10-05/11/10	L09DA1DV
Chromium	103	(80 - 120) Dilution Facto	SW846 6010B or: 1	05/10-05/11/10	L09DA1DX
Nickel	106	(80 - 120) Dilution Facto	SW846 6010B	05/10-05/11/10	L09DA1D0

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

General Chemistry

Lot-Sample #: A0E0	70460	Matrix: WATER
PERCENT PARAMETER RECOVERY n-Hexane Extractable Material		PREPARATION- PREP METHOD ANALYSIS DATE BATCH # G7X1AD-LCSD LCS Lot-Sample#: A0E140000-056
96 92	(78 - 114) (78 - 114) 4.5 (0-11) Dilution Factor: 1	
n-Hexane Extractable Material, SGT	WO#:L1G711AC-LCS/L10	G711AD-LCSD LCS Lot-Sample#: A0E140000-058
96 92	·	CFR136A 1664A SGT 05/14/10 0134058 CFR136A 1664A SGT 05/14/10 0134058
Biochemical Oxygen Demand (BOD)	WO#:L07T61AC-LCS/L0	7T61AD-LCSD LCS Lot-Sample#: A0E070000-405
115 115	(85 - 115) (85 - 115) 0.65 (0-20) Dilution Factor: 1	SM18 5210 B 05/07-05/12/10 0127405 SM18 5210 B 05/07-05/12/10 0127405

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

General Chemistry

Matrix..... WATER Client Lot #...: A0E070460 PERCENT RECOVERY PREPARATION-PREP ANALYSIS DATE RECOVERY LIMITS METHOD BATCH # PARAMETER Work Order #: L1L3W1AC LCS Lot-Sample#: A0E170000-360 Cyanide, Total (69 - 118)SW846 9012A 05/17/10 0137360 95 Dilution Factor: 1 Work Order #: L1MDT1AC LCS Lot-Sample#: A0E170000-418 Cyanide, Total (69 - 118) SW846 9012A 05/17/10 0137418 96 Dilution Factor: 1 Work Order #: L1MFT1AC LCS Lot-Sample#: A0E170000-439 Cvanide, Total (69 - 118) SW846 9012A 05/17/10 0137439 76 Dilution Factor: 1 Work Order #: L1NN41AC LCS Lot-Sample#: A0E180000-248 Nitrogen, as Ammonia 100 (85 - 114) SM18 4500NH3-F 05/18/10 0138248 Dilution Factor: 1 Work Order #: L1J031AC LCS Lot-Sample#: A0E140000-419 Total phosphorus (53 - 134) SM18 4500-P E 05/14/10 0134419 96 Dilution Factor: 1 Work Order #: L1H241AC LCS Lot-Sample#: A0E140000-251 Total Cyanide (69 - 118) SM18 4500-CN E 05/14/10 0134251 92 Dilution Factor: 1 Work Order #: L1K3J1AC LCS Lot-Sample#: A0E150000-099 Total Phenols 103 (54 - 137) MCAWW 420.1 05/15/10 Dilution Factor: 1 Work Order #: L1LLG1AC LCS Lot-Sample#: A0E170000-201 Total Phenols 0137201 (54 - 137) MCAWW 420.1 05/17/10 90 Dilution Factor: 1 Work Order #: L1DEP1AC LCS Lot-Sample#: A0E120000-096 Total Suspended Solids 0132096 05/12/10 99 (73 - 113) SM18 2540 D

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Dilution Factor: 1

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	<u>LIMITS</u>	RPD	LIMITS	METHOD
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)	1 5	(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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08TH1AC-MS Matrix.....: WATER

MS Lot-Sample #: A0E080474-001 L08TH1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	<u>RPD</u>	RPD LIMITS	METHOD
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
		PERCENT		RECOVERY	
SURROGATE	_	RECOVERY		LIMITS	_
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.

a Spiked analyte recovery is outside stated control limits.

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix..... WG

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD_	LIMITS	METHOD
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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix..... WG

MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

	PERCENT RECOVERY	RECOVERY LIMITS	RPD_	RPD LIMITS	METHOD
PARAMETER	RECOVERI	DIMITO	11111	<u> </u>	PIB I II O D
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		(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
1,2 Distancellane	92	(70 - 130)	0.35	(0-30)	SW846 8260B
Isopropylbenzene	89	(70 - 130)	0.00	, ,	SW846 8260B
raobroblineuseus	87	(70 - 130)	1.9	(0-30)	SW846 8260B
	07	(/0 100)		(0 50)	

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix..... WG L06Q51A0-MSD

MS Lot-Sample #: A0E070460-010

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD_	RPD LIMITS	METHOD
PARAMETER	INDCOVERTE	<u> </u>	1(1 2		11011100
1,3-Dichlorobenzene	91	(70 - 130)			SW846 8260B
1,5 21011101020110110	92	(70 - 130)	0.71	(0-30)	SW846 8260B
1,4-Dichlorobenzene	92	(70 - 130)			SW846 8260B
2,1 21011201010101010101010101010101010101	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-	78	(70 - 130)			SW846 8260B
propane					
	78	(70 - 130)	0.61	(0-30)	SW846 8260B
1,2,4-Trichloro-	100	(70 - 130)			SW846 8260B
benzene					
	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		(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)	4.5	(0.00)	SW846 8260B
	99	(50 - 130)	1.3	(0-30)	SW846 8260B
Vinyl acetate	99	(70 - 130)	0 00	(0.20)	SW846 8260B
	100	(70 - 130)	0.99	(0-30)	SW846 8260B
Bromobenzene	95	(70 - 130)	0 05	(0.20)	SW846 8260B
	96	(70 - 130)	0.85	(0-30)	SW846 8260B SW846 8260B
Bromochloromethane	103	(70 - 130)	E 0	(0.20)	SW846 8260B
	98	(70 - 130)	5.0	(0-30)	SW846 8260B
n-Butylbenzene	80	(70 - 130)	0.40	(0-30)	SW846 8260B
73	81	(70 - 130) (70 - 130)	0.40	(0-30)	SW846 8260B
sec-Butylbenzene	85 87	(70 - 130)	2.0	(0-30)	SW846 8260B
tout Dutulbonsons	90	(70 - 130)	2.0	(0-30)	SW846 8260B
tert-Butylbenzene	93	(70 - 130)	3.2	(0-30)	SW846 8260B
2 Ohlerstelmen	92	(70 - 130)	٥.2	(0-30)	SW846 8260B
2-Chlorotoluene	91	(70 - 130)	0.84	(0-30)	SW846 8260B
4-Chlorotoluene	91	(70 - 130)	0.04	(0 50)	SW846 8260B
4-CIIIOI OCOLUEIIE	93	(70 - 130)	2.1	(0-30)	SW846 8260B
Dibromomethane	94	(70 - 130)	2 • -	(0 50)	SW846 8260B
DIDI OMOME CHAILE	93	(70 - 130)	0.85	(0-30)	SW846 8260B
	رر	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.03	(0 00)	

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L06Q51AX-MS Matrix..... WG

MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	<u>RPD</u>	LIMITS	METHOD
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
		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS _	_
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.

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	<u>LIMITS</u>	RPD	LIMITS	METHOD
1,1-Dichloroethene	113	(62 - 130)			SW846 8260B
-	114	(62 - 130)	1.1	(0-20)	SW846 8260B
Chloromethane	65	(40 - 137)			SW846 8260B
	61	(40 - 137)	5.2	(0-39)	SW846 8260B
Bromomethane	93	(55 - 145)			SW846 8260B
	93	(55 - 145)	0.10	(0-30)	SW846 8260B
Vinyl chloride	74 a	(88 - 126)			SW846 8260B
	81 a	(88 - 126)	5.9	(0-30)	SW846 8260B
Chloroethane	90	(59 - 142)			SW846 8260B
	88	(59 - 142)	2.9	(0-30)	SW846 8260B
Methylene chloride	104	(82 - 115)			SW846 8260B
	105	(82 - 115)	1.4	(0-30)	SW846 8260B
Acetone	93	(45 - 128)			SW846 8260B
	91	(45 - 128)	2.3	(0-30)	SW846 8260B
Carbon disulfide	99	(69 - 138)			SW846 8260B
	98	(69 - 138)	0.57	(0-41)	SW846 8260B
1,1-Dichloroethane	99	(88 - 127)			SW846 8260B
	100	(88 - 127)	1.6	(0-30)	SW846 8260B
Chloroform	94	(83 - 141)			SW846 8260B
	95	(83 - 141)	1.1	(0-30)	SW846 8260B
1,2-Dichloroethane	83	(71 - 160)			SW846 8260B
	82	(71 - 160)	0.52	(0-30)	SW846 8260B
Methyl ethyl ketone	76	(71 - 123)			SW846 8260B
	77	(71 - 123)	0.96	(0-30)	SW846 8260B
1,1,1-Trichloroethane	90	(71 - 162)			SW846 8260B
	91	(71 - 162)	1.6	(0-30)	SW846 8260B
Carbon tetrachloride	85	(63 - 176)			SW846 8260B
	86	(63 - 176)	1.1	(0-30)	SW846 8260B
Bromodichloromethane	82	(80 - 146)			SW846 8260B
	78 a	(80 - 146)	5.3	(0-30)	SW846 8260B
1,2-Dichloropropane	91	(87 - 114)			SW846 8260B
	89	(87 - 114)	2.9	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	73 a	(82 - 130)			SW846 8260B
	67 a	(82 - 130)	8.9	(0-30)	SW846 8260B
Trichloroethene	98	(62 - 130)			SW846 8260B
	96	(62 - 130)	1.8	(0-20)	SW846 8260B
Chlorodibromomethane	76	(71 - 158)	_		SW846 8260B
	76	(71 - 158)	0.68	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(86 - 129)			SW846 8260B
	92	(86 - 129)	2.7	(0-30)	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix..... WATER

MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
1,2,2 difficulty	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
I, I DIDIOMOCCIMIC	91	(70 - 130)	0.73	(0-30)	SW846 8260B
Isopropylbenzene	91	(70 - 130)	5.,5	(0 00)	SW846 8260B
TRODIODATNETITETIE	96	(70 - 130)	5.7	(0-30)	SW846 8260B
	J 0	(10 - 700)	5.,	(0 50)	2010 02002

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix..... WATER

MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	<u>RPD</u>	RPD LIMITS	METHOD
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-	83	(70 - 130)			SW846 8260B
propane	81	(70 - 130)	3.1	(0-30)	SW846 8260B
1,2,4-Trichloro-	106	(70 - 130)			SW846 8260B
benzene	109	(70 - 130)	2.1	(0-30)	SW846 8260B
o-Xylene	98	(70 - 130)			SW846 8260B
o ny tene	102	(70 - 130)	3.6	(0-30)	SW846 8260B
m-Xylene & p-Xylene	94	(70 - 130)		,	SW846 8260B
11, 10110 or p 1-1, 1-111	97	(70 - 130)	3.2	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether		(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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L08Q61AC-MS Matrix..... WATER

MS Lot-Sample #: A0E080464-005 L08Q61AD-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	<u>RPD</u>	LIMITS	METHOD
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
		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS	
Dibromofluoromethane		103		(73 - 122	
4.0 - 1.1 14		106		(73 - 122	
1,2-Dichloroethane-d4		80		(61 - 128	
_ " 10		82		(61 - 128	
Toluene-d8		98		(76 - 110	
		99		(76 - 110 (74 - 116	
4-Bromofluorobenzene		94		(74 - 116	
		99		(74 - 116)

NOTE(S):

 $\label{lem:calculations} \textbf{Calculations} \ \textbf{are} \ \textbf{performed} \ \textbf{before} \ \textbf{rounding} \ \textbf{to} \ \textbf{avoid} \ \textbf{round-off} \ \textbf{errors} \ \textbf{in} \ \textbf{calculated} \ \textbf{results}.$

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	<u>LIMITS</u>	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

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L019G1AQ-MS Matrix....: WATER

MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	<u>RPD</u>	LIMITS	METHOD
Benzene	91	(78 - 118)			SW846 8260B
	94	(78 - 118)	2.7	(0-20)	SW846 8260B
trans-1,3-Dichloropropene		(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		(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)	3.0	(0 30)	SW846 8260B
scyrene	82 a	(83 - 120)	3.6	(0-30)	SW846 8260B
aia 1 2 Diablemeethers	97	(87 - 120)	J.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	100	(87 - 114)	3.6	(0-30)	SW846 8260B
1 0 0 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1			3.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	97	(85 - 116)	1 ((0.20)	
	102	(85 - 116)	4.6	(0-30)	SW846 8260B
Dichlorodifluoromethane	41 a	(70 - 130)		(0.00)	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

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
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
Denzenc	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		(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)		40.55	SW846 8260B
	89	(70 - 130)	6.2	(0-30)	SW846 8260B
4-Chlorotoluene	85	(70 - 130)	0	40.000	SW846 8260B
	86	(70 - 130)	0.95	(0-30)	SW846 8260B
Dibromomethane	93	(70 - 130)	4 -	(0.00)	SW846 8260B
	92	(70 - 130)	1.5	(0-30)	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E070460 Work Order #...: L019G1AQ-MS Matrix..... WATER

MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

PARRMETER RECOVERY		PERCENT	RECOVERY		RPD	
1	PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
1						
2,2-Dichloropropane	1,3-Dichloropropane	89	(70 - 130)			SW846 8260B
74		87	(70 - 130)	2.2	(0-30)	SW846 8260B
1,1-Dichloropropene	2,2-Dichloropropane	71	(70 - 130)			SW846 8260B
Hexachlorobutadiene		74	(70 - 130)	4.2	(0-30)	SW846 8260B
Hexachlorobutadiene	1,1-Dichloropropene	85	(70 - 130)			SW846 8260B
Todomethane		90	(70 - 130)	5.5	(0-30)	SW846 8260B
Todomethane	Hexachlorobutadiene	66 a	(70 - 130)			SW846 8260B
108		61 a	(70 - 130)	8.0	(0-30)	SW846 8260B
P-Isopropyltoluene	Iodomethane	103	(70 - 130)			SW846 8260B
Naphthalene		108	(70 - 130)	4.7	(0-30)	SW846 8260B
Naphthalene 91 (70 - 130) SW846 8260B n-Propylbenzene 82 (70 - 130) 4.8 (0-30) SW846 8260B 1,1,1,2-Tetrachloroethane 82 (70 - 130) 7.1 (0-30) SW846 8260B 1,2,3-Trichlorobenzene 92 (70 - 130) 7.1 (0-30) SW846 8260B 1,2,3-Trichloropropane 97 (70 - 130) 4.4 (0-30) SW846 8260B 1,2,3-Trichloropropane 97 (70 - 130) SW846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) SW846 8260B 1,2,4-Trimethylbenzene 84 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 75 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 1,2,4-Dichloroethane 78 (70 - 130) SW846 8260B 1,2,4-Dichloroethane 78 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 1,2,4-Dichloroethane 78 (70 - 130) SW846 8260B 1,2-Dichloroethane 97 (70 - 130) SW846 8260B 1,2-Dichloroethane 97 (70 - 130) SW846 8260B 1,2-Dichloroethane 97 (70 - 130) SW846 8260B	p-Isopropyltoluene	79	(70 - 130)			SW846 8260B
Recovery Section Sec		80	(70 - 130)	0.85	(0-30)	SW846 8260B
n-Propylbenzene 82 (70 - 130) SW846 8260B 1,1,1,2-Tetrachloroethane 82 (70 - 130) 4.8 (0-30) SW846 8260B 1,1,1,2-Tetrachloroethane 82 (70 - 130) 7.1 (0-30) SW846 8260B 1,2,3-Trichlorobenzene 92 (70 - 130) 5W846 8260B 1,2,3-Trichloropropane 97 (70 - 130) 5W846 8260B 1,2,3-Trichloropropane 97 (70 - 130) 5W846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) 3.8 (0-30) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) 3.8 (0-30) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) 4.1 (0-30) SW846 8260B 1,2-Dichloroethane 102 (73 - 122) 106 (73 - 122) 106 106 (73 - 122) 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106 106	Naphthalene	91	(70 - 130)			SW846 8260B
86 (70 - 130) 4.8 (0-30) SW846 8260B 1,1,1,2-Tetrachloroethane 82 (70 - 130) 7.1 (0-30) SW846 8260B 1,2,3-Trichlorobenzene 92 (70 - 130) 5W846 8260B 1,2,3-Trichloropropane 97 (70 - 130) 5W846 8260B 1,2,3-Trichloropropane 97 (70 - 130) 5W846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) 5W846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) 3.8 (0-30) 5W846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) 5W846 8260B 82 (70 - 130) 4.1 (0-30) 5W846 8260B 85 (70 - 130) 3.8 (0-30) 5W846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) 5W846 8260B 82 (70 - 130) 4.1 (0-30) 5W846 8260B 80 (70 - 130) 4.1 (0-30) 5W846 8260B 80 (70 - 130) 4.1		89	(70 - 130)	2.0	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane 82 (70 - 130) SW846 8260B 1,2,3-Trichlorobenzene 92 (70 - 130) SW846 8260B 1,2,3-Trichloropropane 97 (70 - 130) SW846 8260B 1,2,3-Trichloropropane 97 (70 - 130) SW846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) SW846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 82 (70 - 130) SW846 8260B 82 (70 - 130) SW846 8260B 82 (70 - 130) SW846 8260B 83 (70 - 130) SW846 8260B 84 (70 - 130) SW846 8260B 85 (70 - 130) SW846 8260B 86 (70 - 130) SW846 8260B 87 (70 - 130) SW846 8260B 88 (70 - 130) SW846 8260B 89 (70 - 130) SW846 8260B 80 (70 - 130) SW846 8260B 81,3,5-Trimethylbenzene 82 (70 - 130) SW846 8260B 81,3,5-Trimethylbenzene 82 (70 - 130) SW846 8260B 82 (70 - 130) SW846 8260B 83 (70 - 130) SW846 8260B 84 (61 - 128) SW846 8260B 85 (70 - 110) SW846 8260B 86 (61 - 128) SW846 8260B 87 (76 - 110) SW846 8260B	n-Propylbenzene	82	(70 - 130)			SW846 8260B
88		86	(70 - 130)	4.8	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene 92 (70 - 130) SW846 8260B 1,2,3-Trichloropropane 97 (70 - 130) SW846 8260B 1,2,3-Trichloropropane 97 (70 - 130) SW846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) SW846 8260B 1,2,4-Trimethylbenzene 83 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 82 (70 - 130) 4.1 (0-30) SW846 8260B 82 (70 - 130) 4.1 (0-30) SW846 8260B SURROGATE Dibromofluoromethane 102 RECOVERY Dibromofluoromethane 102 (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)	1,1,1,2-Tetrachloroethane	82	(70 - 130)			SW846 8260B
1,2,3-Trichloropropane		88	(70 - 130)	7.1	(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 82 (70 - 130) 3.8 (0-30) SW846 8260B 82 (70 - 130) 4.1 (0-30) SW846 8260B 82 (70 - 130) SW846 8260B 82 (70 - 130) 4.1 (0-30) SW846 826	1,2,3-Trichlorobenzene	92	(70 - 130)			SW846 8260B
98		88	(70 - 130)	4.4	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene 83 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 82 (70 - 130) 4.1 (0-30) SW846 8260B PERCENT RECOVERY Dibromofluoromethane 102 (73 - 122) 1,2-Dichloroethane-d4 86 (61 - 128) 1,2-Dichloroethane-d4 86 (61 - 128) Toluene-d8 96 (76 - 110) 98 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)	1,2,3-Trichloropropane	97	(70 - 130)			SW846 8260B
Recovery Surrogate Recovery Limits L		98	(70 - 130)	0.48	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene 78 (70 - 130) SW846 8260B 82 (70 - 130) 4.1 (0-30) SW846 8260B PERCENT RECOVERY SURROGATE RECOVERY LIMITS Dibromofluoromethane 102 (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)	1,2,4-Trimethylbenzene	83	(70 - 130)			SW846 8260B
82		86	(70 - 130)	3.8	(0-30)	SW846 8260B
PERCENT RECOVERY SURROGATE RECOVERY LIMITS Dibromofluoromethane 102 (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)	1,3,5-Trimethylbenzene	78	(70 - 130)			SW846 8260B
SURROGATE RECOVERY LIMITS Dibromofluoromethane 102 (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)		82	(70 - 130)	4.1	(0-30)	SW846 8260B
SURROGATE RECOVERY LIMITS Dibromofluoromethane 102 (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)	•					
Dibromofluoromethane 102 (73 - 122) 106 (73 - 122) 1,2-Dichloroethane-d4 86 (61 - 128) 84 (61 - 128) Toluene-d8 96 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)			PERCENT		RECOVERY	
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)	SURROGATE		RECOVERY		LIMITS	_
1,2-Dichloroethane-d4 86 (61 - 128) 84 (61 - 128) Toluene-d8 96 (76 - 110) 98 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)	Dibromofluoromethane		102		(73 - 122))
84 (61 - 128) Toluene-d8 96 (76 - 110) 98 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)			106		(73 - 122))
Toluene-d8 96 (76 - 110) 98 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)	1,2-Dichloroethane-d4		86		(61 - 128))
98 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)			84		(61 - 128))
98 (76 - 110) 4-Bromofluorobenzene 97 (74 - 116)	Toluene-d8	•	96		(76 - 110))
			98		(76 - 110))
92 (74 - 116)	4-Bromofluorobenzene		97		(74 - 116))
			92		(74 - 116)	

NOTE(S):

 $\label{lem:calculations} \textbf{Calculations} \ \text{are performed before rounding to avoid round-off errors in calculated results}.$

a Spiked analyte recovery is outside stated control limits.

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

PARAMETER Aroclor 1016 Aroclor 1260	PERCENT RECOVERY 91 87	RECOVERY LIMITS (50 - 114) (8.0- 127)	METHOD CFR136A 608 CFR136A 608
SURROGATE Tetrachloro-m-xylene Decachlorobiphenyl		PERCENT <u>RECOVERY</u> 88 44	RECOVERY <u>LIMITS</u> (15 - 131) (10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

TOTAL Metals

Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10

	PERCENT	RECOVERY RPD		PREPARATION-	WORK
PARAMETER	RECOVERY	<u>LIMITS RPD LIMITS</u>	METHOD	ANALYSIS DATE	ORDER #
_			0.1.0.0.1.0		
		30468-004 Prep Batch #	: 0130013 MCAWW 200.8	05/10 05/11/10	T 0.0 D m 1.0 C
Antimony	98 97	(70 - 130) (70 - 130) 0.35 (0-20)		05/10-05/11/10 05/10-05/11/10	
	91	Dilution Factor: 1	MCAWW 200.0	03/10-03/11/10	HOOKITCII
		Dilucion Lucion.			
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			
D114	0.0	(70 - 130)	MCAWW 200.8	05/10-05/11/10	r 000m100
Beryllium	98 96	(70 - 130) $(70 - 130)$ 1.4 $(0-20)$		05/10-05/11/10	
	50	Dilution Factor: 1	110111111 200.0	03/10 03/11/10	100111101
Cadmium	97	(70 - 130)	MCAWW 200.8	05/10-05/11/10	
	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	T.በ8ጽጥ1 ል3
CIII OMII UM	97	(70 - 130) 0.92 (0-20)		05/10-05/11/10	
		Dilution Factor: 1			•
Copper	97	(70 - 130)	MCAWW 200.8	05/10-05/11/10	
	97	(70 - 130) 0.08 (0-20)	MCAWW 200.8	05/10-05/11/10	LU8KTTA6
		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			
	0.5	(60 124)	MG25.T.1 0 4 F . 1	OF /10 OF /11 /10	t O O D m 1 C N
Mercury	95 93	(69 - 134) (69 - 134) 2.3 (0-20)	MCAWW 245.1 MCAWW 245.1	05/10-05/11/10 05/10-05/11/10	
	93	Dilution Factor: 1	MCAWW Z45.I	03/10-03/11/10	HOORITCE
		Director rector.			
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	0.6	(70 - 130)	MCAWW 200.8	05/10-05/11/10	T.0.8.pm1.C.T
serenium	96 97	(70 - 130) $(70 - 130)$ 0.61 $(0-20)$		05/10-05/11/10	
	<i>J</i>	Dilution Factor: 1	110/11/1// 200.0	55,20 65,22,20	

TOTAL Metals

Client Lot #...: A0E070460 Matrix....: WATER

Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10

<u>PARAMETER</u> Silver	PERCENT RECOVERY 98 98	RECOVERY RPD LING (70 - 130) (70 - 130) 0.34 (0 Dilution Factor:	MITS METHOD MCAWW 200.8 -20) MCAWW 200.8	PREPARATION- WORK ANALYSIS DATE ORDER # 05/10-05/11/10 L08RT1AV 05/10-05/11/10 L08RT1AW
Thallium	9 4 95	(70 - 130) (70 - 130) 0.83 (0 Dilution Factor:	•	05/10-05/11/10 L08RT1CL 05/10-05/11/10 L08RT1CM
Zinc	96 97	(70 - 130) (70 - 130) 0.76 (0 Dilution Factor:	•	05/10-05/11/10 L08RT1CC 05/10-05/11/10 L08RT1CD

NOTE(S):

DISSOLVED Metals

Date Sampled...: 05/05/10 11:45 Date Received..: 05/07/10

PARAMETER	PERCENT RECOVERY	RECOVERY RPD LIMITS RPD LIMITS	METHOD	PREPARATION- WORK ANALYSIS DATE ORDER #
-		70460-010 Prep Batch #.		05/40 05/44/40 *060543.7
Arsenic	107 107	(75 - 125) (75 - 125) 0.34 (0-20)	SW846 6010B SW846 6010B	05/10-05/11/10 L06Q51AJ 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) Dilution Factor: 1	SW846 6010B	05/10-05/11/10 L06Q51AD
Lead	106	(75 - 125)	SW846 6010B	05/10-05/11/10 L06Q51AF
	107	(75 - 125) 0.12 (0-20) Dilution Factor: 1	SW846 6010B	05/10-05/11/10 L06Q51AG
Nickel	106 107	(75 - 125) (75 - 125) 0.54 (0-20)	SW846 6010B SW846 6010B	05/10-05/11/10 L06Q51AM 05/10-05/11/10 L06Q51AN
		Dilution Factor: 1		

NOTE(S):

DISSOLVED Metals

Client Lot #...: A0E070460 Matrix.....: WATER

Date Sampled...: 05/03/10 18:00 Date Received..: 05/08/10

PERCENT RECOVERY RPD PREPARATION- WORK

PARAMETER RECOVERY LIMITS RPD LIMITS METHOD ANALYSIS DATE ORDER #

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):

General Chemistry

Client Lot #...: A0E070460 Matrix....: WATER

Date Sampled...: 04/27/10 12:35 Date Received..: 04/30/10

<u>PARAMETER</u> Nitrogen, as	Ammonia	WO# (75 - 125 (75 - 125	RPD LIMITS: LOT8J1A9-MS/	SM18 4500NH3-F	PREPARATION- ANALYSIS DATE Lot-Sample #: A0 05/18/10 05/18/10	<u>BATCH #</u>)D300579-008 0138247
Total phospho		(10 - 199 (10 - 199)	SM18 4500-P E	Lot-Sample #: A0 05/14/10 05/14/10	0134419
Total Cyanid		(42 - 140) $(42 - 140)$)	SM18 4500-CN E	Lot-Sample #: A0 05/14/10 05/14/10	0134252
Total Cyanid	e 93 58 * `	(42 - 140) $(42 - 140)$)	SW846 9012A	Lot-Sample #: A0 05/17/10 05/17/10	0137438

NOTE(S):

^{*} Relative percent difference (RPD) is outside stated control limits.

General Chemistry

Client Lot #...: A0E070460 Matrix...... WG

Date Sampled...: 05/05/10 11:45 Date Received..: 05/07/10

	PERCENT	RECOVERY	RPD		PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD	ANALYSIS DATE	BATCH #
Cyanide, Tota	al	WO#:	L06Q51AU-MS/	'L06Q51AV-MSD	MS Lot-Sample #: AC)E070460-010
	67	(42 - 140)		SW846 9012A	05/17/10	0137360
	78	(42 - 140)	14 (0-20)	SW846 9012A	05/17/10	0137360
		Dilut	ion Factor: 1			
Cyanide, Tota	al	WO#:	L06R61AJ-MS/	'L06R61AK-MSD	MS Lot-Sample #: AC	E070460-021
	91	(42 - 140)		SW846 9012A	05/17/10	0137418
	83	(42 - 140)	8.4 (0-20)	SW846 9012A	05/17/10	0137418
		Dilut	ion Factor: 1			
Total Phenol:	S	WO#:	L06Q51AQ-MS/	L06Q51AR-MSD	MS Lot-Sample #: AC	E070460-010
	121	(10 - 155)		MCAWW 420.1	05/15/10	0135099
	111	(10 - 155)	6.5 (0-41)	MCAWW 420.1	05/15/10	0135099
		Dilut	ion Factor: 1			
Total Phenol	S				MS Lot-Sample #: AC	
	107	(10 - 155)		MCAWW 420.1		
	109	(10 - 155)	2.0 (0-41)	MCAWW 420.1	05/17/10	0137201
		Dilut	ion Factor: 1			

NOTE(S):

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

DUPLICATE RPD PREPARATION-PREP RESULT UNITS RPD LIMIT METHOD ANALYSIS DATE BATCH # PARAM RESULT _ Total Suspended SD Lot-Sample #: A0E070435-001 Solids ND mg/L 0 (0-20) SM18 2540 D 05/12/10 0132096 ND

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E070460 Work Order #...: L066W-SMP Matrix.....: WATER

L066W-DUP

Date Sampled...: 05/07/10 09:15 Date Received..: 05/07/10

RPD PREPARATION-PREP DUPLICATE ANALYSIS DATE BATCH # RESULT UNITS RPD LIMIT METHOD PARAM RESULT Total Suspended SD Lot-Sample #: A0E070498-001 Solids mg/L 67 (0-20) SM18 2540 D 05/12/10 0132097 ND ND

Dilution Factor: 1

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



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Kelinquished by:	national by.	Relinquished by:		Non-Hazard Flammable Ski	Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=INO3; 5=NaOH; 6= Other Possible Hazard Identification	70	190	28	0	MW-5	MI	Thesp	MW-2	MW-12	Mw-11	MW-10	Mw-104		•	P O #: 5133286	Site: South Bend	(231) 922-9055	(231) 922-9050	City/State/Zip: Traverse City, Michigan 49686	Address: 41 Hughes Drive	Company: MACTEC Engineering and Consulting, Inc.	
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North Canton 4101 Shuffel Street, N. W. North Canton, OH 44720 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	OH; 6= Other				2	4	3	S											-	-	-														[
Possible Hazard Identification Non-Hazard Flammable Skin Irritant	Poison B	птоичиј [Sample Disposal (A	mple Disposal (A f	Dis	7 P	2 🖺		ee /	naj	be	22	3 8	5 8	assessed if san	3	les	ar	Ľ.		etained Ion	<u> 5</u>	ğ	fee may be assessed if samples are retained longer than 1 month) Thisposal By Lah Month	5	3	<u> </u>	onth)	a	l	1	ı	ı
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TestAmerica Coole North Canton Facil	r Receipt Form/Narrative	Lot Number: \mathcal{A}_{ℓ}	0E076410Û
Client MACTE			., <u>/</u>
Cooler Received on	711111111111111111111111111111111111111	By: Chris	
		(\$	Signaturé)
Tedex A UPS DAL	. 🗌 FAS 🗌 Stetson 🔲 Client Drop Off 🗍 1	estAmerica Courier 🔲 Ot	ther
restAmerica Cooler #	Multiple Coolers X Foam Box		
1. vvere custody seals of	on the outside of the cooler(s)? Yes X No X		□ NA □
If YES, Quantity	2 Quantity Unsalvageable		
vvere custody seals of	on the outside of cooler(s) signed and dated?	Yes 🛛 No	
Were custody seals of		Yes □ . No	∪ 🔯
If YES, are there any		<u>.</u>	•
	p attached to the cooler(s)?	Yes ⊠ No	
Did custody papers a	ccompany the sample(s)? Yes 🖾 No 🗌	Relinquished by c	lient? Yes 💢 No 🗌
4. Were the custody par	pers signed in the appropriate place?	Yes ☑ No	
Packing material use	d: Bubble Wrap 💢 Foam 🗌 None 🗌	Other	<u> </u>
6. Cooler temperature u	ipon receipt °C See back of fo	rm for multiple coolers/tem	nps 🔯
1	R ☒, Other □		
COOLANT: Wet 1	ce 🛛 Blue Ice 🗌 Dry Ice 🗌 Water	☐ None ☐	
7. Did all bottles arrive i	in good condition (Unbroken)?	Yes 🗹 No	
	s be reconciled with the COC?	Yes 🗹 No	
Were sample(s) at the	e 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 ı	mm in any VOA vials?		· ☑ NA □
12. Sufficient quantity rec	ceived to perform indicated analyses?	Yes 🔲 No	
13. Was a trip blank pres		VOAs on the COC? Yes	
Contacted PM		via Verbal 🗌 Voic	e Mail Other O
Concerning			
14 CHAIN OF CUSTOD)//		
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14 CHAIN OF CUSTOD The following discrepance 15 SAMPLE CONDITIO Sample(s) Sample(s)	ies occurred; W were received afte	were received in a	broken container.
The following discrepance The following discrepance 15 SAMPLE CONDITION Sample(s) Sample(s) Sample(s)	ies occurred: W were received afte		broken container.
14 CHAIN OF CUSTOD The following discrepance 15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16 SAMPLE PRESERV	ies occurred: W were received afte	were received in a I with bubble >6 mm in dia	broken container. meter. (Notify PM)
14 CHAIN OF CUSTOD The following discrepance 15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) Sample(s) Sample(s) Sample(s) Sample(s)	were received after	were received in a with bubble >6 mm in dia were further preserved i	broken container. meter. (Notify PM)
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14. CHAIN OF CUSTOD The following discrepance 15. SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) Sample(s) Sample(s) Receiving to meet recommendations.	were received afte were received afte were received afte were received afte in the second of the	were received in a I with bubble >6 mm in dia were further preserved i	i broken container. Imeter. (Notify PM) in Sample
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The following discrepance The following discrepance 15 SAMPLE CONDITION Sample(s) Sample(s) Sample(s) Sample(s) Receiving to meet recommendation of the following to meet recommendation of the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following to the following the followi	were received after were received after were received ATION mended pH level(s). Nitric Acid Lot# 121709-HNC OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hy at time was preservative added to sample(s)? _ pH	were received in a d with bubble >6 mm in dia were further preserved i s; Sulfuric Acid Lot# 121709-i droxide and Zinc Acetate Lot#	in broken container. Imeter. (Notify PM) Imete
The following discrepance The following discrepance The following discrepance 15. SAMPLE CONDITION Sample(s) Sample(s) Sample(s) Sample(s) Receiving to meet recomme Hydroxide Lot# 100108 -Nac (CH ₃ COO) ₂ ZN/NaOH. What	were received after were received after afte	were received in a with bubble >6 mm in dia with bubble >6 mm in dia were further preserved in a were further pres	in Sample H ₂ SO ₄ ; Sodium # 100108-
The following discrepance The following discrepance 15. SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16. SAMPLE PRESERV Sample(s) Receiving to meet recommend the sample of the sam	were received afte were received afte were received ATION mended pH level(s). Nitric Acid Lot# 121709-HNC OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hy at time was preservative added to sample(s)? pH C2CZ >12 C2CZ >12	were received in a d with bubble >6 mm in dia were further preserved i s; Sulfuric Acid Lot# 121709-i droxide and Zinc Acetate Lot#	in broken container. Imeter. (Notify PM) Imete
14. CHAIN OF CUSTOD The following discrepance 15. SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16. SAMPLE PRESERV Sample(s) Receiving to meet recommend to	were received afte were received afte were received afte ATION mended pH level(s). Nitric Acid Lot# 121709-HNCOH; Hydrochloric Acid Lot# 092006-HCI; Sodium Hy at time was preservative added to sample(s)? pH C2CZ >12 C2CZ >12 C2CZ >12	were received in a d with bubble >6 mm in dia were further preserved i s; Sulfuric Acid Lot# 121709-i droxide and Zinc Acetate Lot#	in broken container. Imeter. (Notify PM) Imete
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14 CHAIN OF CUSTOD The following discrepance 15 SAMPLE CONDITIO Sample(s) Sample(s) Sample(s) 16 SAMPLE PRESERV Sample(s) Receiving to meet recommend to meet recommend to meet recommend to the followide Lot# 100108 - National CH3COO)2ZN/NaOH. What Client ID 53 59 514 515	were received after were r	were received in a d with bubble >6 mm in dia were further preserved i droxide and Zinc Acetate Lota Da 5-7-	in broken container. Imeter. (Notify PM) Imete

rth Canton Facili	IV	Date	Initial
Client ID	<u>pH</u> ~ ∠2 >12	5/7/10	<u> </u>
MW7 86-15 MSMSD	L2 L2 712	3/7/10	
80-10	Cr Cr 712	1	-
MW 104	62 62 712		
MWIO	L2 L2 712		
MWII	L2 L2 7/2	·	
MW2	42 42 >0		
MW4	62 12 70		
MW5	4 4 7/2		-
<u> </u>	6262 72		
<u>D8</u>	L2 L2 > 12		-
<u> </u>	12 (2 >12		+
7)	62 L2 712		· · · · ·
MW103 65 RWBIL G	7126266		1
RWBILL G RWB23 G	LILILIZ 712	-, 	
EWA a	L2212127 D		1
BWB16 C	LICILI		7
RWB23 e.	Lrun		
FW2 0	uu12		
		Masis a al	Coole
Cooler#		Method) D	Coola
241-184			100
241-538	2. 7		
461	3.9		
241-944	1.3		
241-1029	0.7		
241-867	1.4		
screpancies Cont'd:			<u> </u>
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END OF REPORT



4101 Shuffel Street, N. W. North Canton, OH 44720 phone 330.497.0772

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

9\$2 14 223 TestAmerica Laboratories, Inc. Sample Specific Notes: COCS Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) y of 4 Job No. COC No: SDG No. Arcmive For Ŵ Date: 5-6-10 Carrier: EES Disposal By Lab Ū C. Suspended Solids (TSS) - 2540D $\overline{\nabla}$ ro Lede - aurodqeod? v Biochemical Oxygen Demand (BOD) -8.002/L'002 - (uZ '34 V 7 mmonis, Nitrogen - 4500 NH3-F 1 5 3 3 Return To Client <u>6666</u> Site Contact: James Staley Lab Contact: Mark Loeb 3 2 2 1 1 2 r. Oil & Gresse (FOG) - 1664-HEM I. Cyanide - 4500 CN-E esticides, PCBs - 608 7 N 3 AOC? - 974 Missory Sum 2 z Matrix Cont. 7 CEMPOSITE NZO 92H Analysis Turnaround Time Calendar (C) or Work Days (W) *Опкно* Project Manager: Steve Murray Sample COMPOSI GRAB TAT if different from Below 2 weeks I week 2 days 1 day Tel/Fax: (231) 922-9050 Sample Time 5-6-10 0930 5-6-10 09.50 140 Poison B reservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 54-10 Sample Date Skin Irritant (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310090039.6100.1 Company: MACTEC Engineering and Consulting, Inc. Special Instructions/QC Requirements & Comments: COMPOSITE City/State/Zip: Traverse City, Michigan 49686 9 Sample Identification 5 Phone | Flammable S S 8 05 ossible Hazard Identification [1 Address: 41 Hughes Drive RWB16. RWR73 EW-7 -GRAB Non-Hazard Site: South Bend (231) 922-9050 P O #: 5133286

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TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310090039.6100.1

HONEYWELL - SOUTH BEND

Lot #: A0E050439

Steven Murray

Macted Engineering & Consultan 41 Hughes Drive Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

Mark J. Loeb

Project Manager

mark.loeb@testamericainc.com

May 24, 2010

Approved for release Mark J. Loeb Project Manager II

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 sampleE3S 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.

OC 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
,		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

OUALITY 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 repreparation 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

A0E050439

PARAMETER	RESULT	REPORTING	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
111011101000110110	~-		3,	20020 02002
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	${\tt ug/L}$	SW846 8260B
1,1-Dichloroethene	2.3	1.0	${ t ug/L}$	SW846 8260B
Trichloroethene	12	1.0	${ t ug/L}$	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
•				

EXECUTIVE SUMMARY - Detection Highlights

A0E050439

	PARAMETER	RESULT	REPORTING	UNITS	ANALYTICAL METHOD
S21 05	10 05/04/10 10:15 008				
	cis-1,2-Dichloroethene trans-1,2-Dichloroethene Trichloroethene	39 24 34	1.4 1.4 1.4	ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B
s25 05	10 05/04/10 12:00 010				
	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	12 5.1	1.0 1.0	ug/L ug/L	SW846 8260B SW846 8260B
EW3 05	10 (GRAB) 05/04/10 16:00 0	15			
	cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloroethene	28 24 52	1.0 1.0 2.0	ug/L ug/L ug/L	CFR136A 624 CFR136A 624 CFR136A 624
	(total) Trichloroethene	7.1	1.0	ug/L	CFR136A 624
EW1 05	10 (GRAB) 05/04/10 17:10 0	16			
	cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Trichloroethene Vinyl chloride	170 24 8.8 200 35 16	2.5 2.5 2.5 5.0 2.5 2.5	ug/L ug/L ug/L ug/L ug/L ug/L	CFR136A 624 CFR136A 624 CFR136A 624 CFR136A 624 CFR136A 624 CFR136A 624
	Total Cyanide	0.019	0.010	mg/L	SM18 4500-CN E
E3A 05	10 (GRAB) 05/04/10 18:00 0	17			
	cis-1,2-Dichloroethene trans-1,2-Dichloroethene Benzene 1,1-Dichloroethane 1,2-Dichloroethene (total) Vinyl chloride	7.3 1.3 1.9 7.0 8.6	1.0 1.0 1.0 2.0	ug/L ug/L ug/L ug/L	CFR136A 624 CFR136A 624 CFR136A 624 CFR136A 624 CFR136A 624
	Total Cyanide	0.017	0.010	mg/L	SM18 4500-CN E

EXECUTIVE SUMMARY - Detection Highlights

A0E050439

	PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EW3 05	10 (COMP) 05/04/10 16:00 01	8			
	Copper Nickel	16.0 7.0	2.0 2.0	ug/L ug/L	MCAWW 200.8 MCAWW 200.8
EW1 05	10 (COMP) 05/04/10 17:10 01	9			
	Arsenic Copper Nickel Lead Zinc Total Suspended Solids Nitrogen, as Ammonia	5.3 16.3 3.2 2.0 113 9.0	5.0 2.0 2.0 1.0 10.0 4.0	ug/L ug/L ug/L ug/L ug/L mg/L	MCAWW 200.8 MCAWW 200.8 MCAWW 200.8 MCAWW 200.8 MCAWW 200.8 SM18 2540 D
E3A 05	10 (COMP) 05/04/10 18:00 02	0			
	Nickel Zinc Nitrogen, as Ammonia	11.7 21.6 0.5	2.0 10.0 0.2	ug/L ug/L mg/L	MCAWW 200.8 MCAWW 200.8 SM18 4500NH3-F
D7 05 1	LO 05/04/10 09:49 021				
D4 05 1	1,2-Dichloroethane	21	1.0	ug/L	SW846 8260B
	Total Phenols	0.083	0.040	mg/L	MCAWW 420.1

ANALYTICAL METHODS SUMMARY

A0E050439

PARAMETER	ANALYTICAL METHOD
Ammonia as N by ISE Base/Neutrals and Acids Biochemical Oxygen Demand Cyanide, Total Inductively Coupled Plasma (ICP) Metals ICP-Mass Spectrometry ICP-Mass Spectrometry Mercury (Manual Cold Vapor Technique) N-Hexane Ext. Material, Silica Gel Treated-1664A N-Hexane Extractable Material (1664A) Organochlorine Pesticides and PCBs Phenolics Purgeables Total cyanide Total phosphorus Total Suspended Solids	SM18 4500NH3-F CFR136A 625 SM18 5210 B SW846 9012A SW846 6010B MCAWW 200.8 MCAWW 245.1
Poforongos.	

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

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
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	800	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):

- $\boldsymbol{\cdot}$ 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.

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

		REPORTIN	G
PARAMETER	RESULT	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-	ND	4.0	ug/L
chloropropane (DBCP)			
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-	ND	2.0	ug/L
2-butene			
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

Client Sample ID: S28 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-001 Work Order #...: L016T1AG Matrix...... WG

		DEDODETA	T.C.
	DECITE M	REPORTIÑ LIMIT	UNITS
PARAMETER	RESULT	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	
2,2-Dichloropropane	ND		ug/L
cis-1,3-Dichloropropene	ND	2.0 2.0	ug/L
trans-1,3-Dichloropropene	ND		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	ND	20	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	10	ug/L
(MTBE)			
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-	ND	2.0	ug/L
1,2,2-trifluoroethane			-
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 deetate Vinyl chloride	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
	ND	2.0	ug/L ug/L
o-Xylene		40	ug/L
Cyclohexanone	ND	2.0	ug/L ug/L
Trichlorofluoromethane	ND		
Trichloroethene	61	2.0	ug/L
1,2,4-Trichloro-	ND	2.0	ug/L
benzene		2 2	/T
1,1,1-Trichloroethane	ND	2.0	ug/L

Client Sample ID: S28 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-001	Work Order #:	L016T1AG	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	100	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	98	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	

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

		REPORTING	}		PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #	: 0127015					
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AK
		Dilution Facto	or: 1			
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AH
		Dilution Facto	or: 1			
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AD
		Dilution Facto	or: 1			
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L016T1AJ
2000		Dilution Facto	•		22, == 30, 11, 10	

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	05/17/10	0137418
	Dil	ution Fact	or: 1			
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTING	
PARAMETER	RESULT	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-	ND	18	ug/L
chloropropane (DBCP)			
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	$\mathtt{ug/L}$
trans-1,4-Dichloro-	ND	9.1	ug/L
2-butene			
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

Client Sample ID: S16 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-002 Work Order #...: L01661AG Matrix...... WG

		REPORTING		
DAD AMEMED	RESULT	LIMIT	UNITS	
PARAMETER 1 2 Dichloropropage	ND RESULT	9.1	ug/L	
1,2-Dichloropropane	ND	9.1	ug/L	
1,3-Dichloropropane	ND	9.1	ug/L	
2,2-Dichloropropane		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	18		
Diethyl ether	ND	9.1	ug/L	
Ethyl methacrylate	ND		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	ND	91	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	45	ug/L	
(MTBE)				
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-	ND	9.1	ug/L	
1,2,2-trifluoroethane				
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-	ND	9.1	ug/L	
benzene			_	
1,1,1-Trichloroethane	ND	9.1	ug/L	
_, _,			•	

Client Sample ID: S16 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-002	Work Order #: L01661AG	Matrix WG
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		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS_
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	96	(73 - 122)	
1,2-Dichloroethane-d4	88	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #	
Prep Batch #: 0127015							
Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01661AK	
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01661AH	
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01661AD	
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01661AJ	

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L .or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

			ī.
PARAMETER	RESULT	REPORTIN LIMIT	UNITS
Acetone	ND	<u>DIMII</u> 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-	ND	10	ug/L
chloropropane (DBCP)		2.0	5, -
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-	ND	5.0	ug/L
2-butene			J.
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
		- -	5 · –

Client Sample ID: S4A 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-003 Work Order #...: L01671AG Matrix...... WG

		REPORTIN	
PARAMETER	RESULT	LIMIT	<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	ND	50	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	25	ug/L
(MTBE)			
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-	ND	5.0	ug/L
1,2,2-trifluoroethane			3,
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 ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Trichloroethene			
	ND	5.0	ug/L
1,2,4-Trichloro-	ND	5.0	ug/L
benzene	3.77	F 2	
1,1,1-Trichloroethane	ND	5.0	ug/L

Client Sample ID: S4A 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-003	Work Order #:	L01671AG	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	89	(61 - 128)	
Toluene-d8	95	(76 - 110)	

(74 - 116)

92

4-Bromofluorobenzene

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01671AK
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01671AH
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01671AD
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L01671AJ

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTING	
PARAMETER	RESULT	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-	ND	8.0	ug/L
chloropropane (DBCP)			
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-	ND	4.0	ug/L
2-butene			
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

Client Sample ID: S24 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-004 Work Order #...: L017D1AE Matrix...... WG

		REPORTING	<u>u</u>
PARAMETER	RESULT	LIMIT	UNITS
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND 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	ND	40	ug/L
(MIBK)	דעם	±0	ug/ i
Methyl tert-butyl ether	ND	20	ug/L
(MTBE)	MD	20	ug/ L
Naphthalene	ND	4.0	ug/L
n-Propylbenzene	ND	4.0	ug/L
	ND	4.0	ug/L
Styrene	ND	4.0	
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane			ug/L
Tetrachloroethene	ND	4.0 20	ug/L
Tetrahydrofuran	ND		ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,1,2-Trichloro-	ND	4.0	ug/L
1,2,2-trifluoroethane	777	4 0	/T
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-	ND	4.0	ug/L
benzene			-
1,1,1-Trichloroethane	ND	4.0	ug/L

Client Sample ID: S24 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-004	Work Order #:	L017D1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	100	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	95	(76 - 110)	
4-Bromofluorobenzene	91	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #_
Prep Batch #	: 0127015					
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017D1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017D1AF
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017D1AA
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017D1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTIN	G
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{L}
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: S27 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-005 Work Order #...: L017E1AE Matrix...... WG

		REPORTIN	
PARAMETER	RESULT	LIMIT	<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	ND	10	ug/L
(MIBK)			•
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			.
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
	ND	1.0	ug/L ug/L
1,2,4-Trichloro- benzene	עונו	1.0	ug/11
1,1,1-Trichloroethane	8.9	1.0	ug/L
r, r, r-irrentoroethane	0.9	1.0	ug, n

Client Sample ID: S27 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-005	Work Order #:	L017E1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	86	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	: 0127015					
Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017E1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017E1AF
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017E1AA
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017E1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTING	
PARAMETER	RESULT	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 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-	ND	2.0	ug/L
chloropropane (DBCP)	1112	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-	ND	1.0	ug/L
2-butene	717	1.0	ug/ 11
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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Client Sample ID: S26 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-006 Work Order #...: L017F1AE Matrix..... WG

		REPORTIN	G
PARAMETER	RESULT	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	ND	10	ug/L
(MIBK)			-
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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	\mathtt{ug}/\mathtt{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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: S26 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-006	Work Order #:	L017F1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	94	(73 - 122)	
1,2-Dichloroethane-d4	87	(61 - 128)	
Toluene-d8	95	(76 - 110)	
4-Bromofluorobenzene	90	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	: 0127015					
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017F1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017F1AF
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017F1AA
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017F1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040 ution Facto	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTIN	IG.
PARAMETER	RESULT	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	ŃD	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: 2D 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-007 Work Order #...: L017G1AE Matrix...... WG

		REPORTIN	rc.
PARAMETER	RESULT	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
	ND	1.0	ug/L
1,1-Dichloropropene	ND ND	1.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Diethyl ether	ND	1.0	ug/L
Ethyl methacrylate		1.0	ug/L
Hexachlorobutadiene	ND	10	
2-Hexanone	ND		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	ND	10	ug/L
(MIBK)			r-
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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	\mathtt{ug}/\mathtt{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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene			_
1,1,1-Trichloroethane	ND	1.0	ug/L
_, _, _ ===============================			

Client Sample ID: 2D 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-007	Work Order #:	L017G1AE	Matrix: WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	96	(73 - 122)	
1,2-Dichloroethane-d4	88	(61 - 128)	
Toluene-d8	94	(76 - 110)	
4-Bromofluorobenzene	92	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	: 0127015					
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017G1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017G1AF
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017G1AA
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017G1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/17/10	0137418
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTIN	IC.
PARAMETER	RESULT	LIMIT	UNITS
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 ug/L
Carbon disulfide	ND	1.4	ug/L ug/L
Carbon tetrachloride	ND	1.4	ug/L
Chlorobenzene	ND	1.4	ug/L ug/L
Chlorodibromomethane	ND	1.4	ug/L ug/L
Chloroethane	ND	1.4	ug/L ug/L
2-Chloroethyl vinyl ether	ND	14	_
Chloroform	ND	1.4	ug/L
Chloromethane		1.4	ug/L
	ND		ug/L
2-Chlorotoluene	ND	1.4	ug/L
4-Chlorotoluene	ND	1.4	ug/L
1,2-Dibromo-3-	ND	2.9	ug/L
chloropropane (DBCP)	*	1 4	/ T
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-	ND	1.4	ug/L
2-butene			
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

Client Sample ID: S21 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-008 Work Order #...: L017H1AE Matrix...... WG

		D D D D D D D D D D D D D D D D D D D	T.C.
	D-20222 E	REPORTIN	
PARAMETER	RESULT	LIMIT	<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	ND	14	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	7.2	ug/L
(MTBE)			
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
		7.2	ug/L
Tetrahydrofuran	ND		_
Toluene	ND	1.4	ug/L
1,2,3-Trichlorobenzene	ND	1.4	ug/L
1,1,2-Trichloro-	ND	1.4	ug/L
1,2,2-trifluoroethane			
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-	ND	1.4	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.4	ug/L
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Client Sample ID: S21 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-008	Work Order #:	L017H1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	101	(73 - 122)	
1,2-Dichloroethane-d4	89	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	94	(74 - 116)	

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

PARAMETER	RESULT	REPORTING	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	.: 0127015					
Arsenic	ND	10.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017H1AH
Chromium	ND	5.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017H1AF
Nickel	ND	40.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017H1AA
Lead	ND	3.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017H1AG

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

PARAMETER	RESULT	RL,	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Dil	0.040 ution Facto	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTIN	'C
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene		*	
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

Client Sample ID: S20 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-009 Work Order #...: L017J1AE Matrix..... WG

		REPORTIN	TC.
PARAMETER	RESULT	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
	ND	10	ug/L
4-Methyl-2-pentanone	MD	10	ug/ n
(MIBK)	ND	5.0	nor/T.
Methyl tert-butyl ether	ИП	3.0	ug/L
(MTBE)	ATTO	1.0	110 /T
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		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-	ND	1.0	ug/L
1,2,2-trifluoroethane		1 0	/ =
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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: S20 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-009	Work Order #:	L017J1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	93	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	97	(76 - 110)	
4-Bromofluorobenzene	91	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	.: 0127015 ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017J1AH
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017J1AF
Nickel	ND	40.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017J1AA
Lead	ND	3.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017J1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

Description			REPORTING	
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 Bromomethane ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Chlorodinomomethane ND 1.0 ug/L Chlorodethane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L Chloropapane (DBCP) 1.0 ug/L 1,2-Dibromo-3- chloropapane (DBCP) 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- 2-butene ND 1.0 ug/L trans-1,4-Dichloro- 2-butene ND 1.0 ug/L trans-1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L	DARAMETER	ए.गारम्ब		INTTS
Acrolein ND 20 ug/L Acrylonitrile ND 20 ug/L Benzene ND 1.0 ug/L Bromochorzene ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromodichloromethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon tetrachloride ND 1.0 ug/L Chlorodenzene ND 1.0 ug/L Chlorodenzene ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chloroethane ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 1.0 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 1,3-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L Trans-1,4-Dichloro- ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 ug/L Trans-1,2-Dichloroethene ND 1.0 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 Bromochloromethane ND 1.0 ug/L Bromochloromethane ND 1.0 ug/L Bromoform ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L Bromomethane ND 1.0 ug/L Carbon tetnylbenzene ND 1.0 ug/L Carbon disulfide ND 1.0 ug/L Carbon tetrachloride ND 1.0 ug/L Chlorodibromomethane ND 1.0 ug/L Chlorodibromomethane ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chlorothane ND 1.0 ug/L Chlorotothane ND 1.0 ug/L Chlorotothane ND 1.0 ug/L Chlorotothane ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chlorototoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dibromomethane ND 1.0 ug/L 1,2-Dibromomethane ND 1.0 ug/L 1,2-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 1,2-Dichlorobenzene ND 1.0 ug/L 1,1-Dichlorobenzene ND 1.0 ug/L				-
Benzene				-
Bromobenzene ND	_			_
Bromochloromethane				_
Bromodichloromethane				-
Bromoform				-
### 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 Chloroethyl vinyl ether ND 1.0 ug/L Chloroform ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromoethane ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0				
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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- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 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-Dichloroenzene ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene 12 1.0 ug/L trans-1,2-Dichloroethene 5.1 1.0 ug/L				•
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1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 2-butene 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	•	ND	1.0	ug/L
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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		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	2-butene			
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	Dichlorodifluoromethane	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	1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene121.0ug/Ltrans-1,2-Dichloroethene5.11.0ug/L1,1-DichloroetheneND1.0ug/L	1,2-Dichloroethane	ND	1.0	ug/L
trans-1,2-Dichloroethene 5.1 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L		12	1.0	ug/L
1,1-Dichloroethene ND 1.0 ug/L		5.1	1.0	ug/L
			1.0	ug/L
Dichlorofluoromethane ND 2.0 ug/L	Dichlorofluoromethane	ND	2.0	ug/L

Client Sample ID: S25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-010 Work Order #...: L017K1AE Matrix..... WG

		REPORTIN		
PARAMETER	RESULT	<u>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	ND	10	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	5.0	ug/L	
(MTBE)				
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-	ND	1.0	ug/L	
1,2,2-trifluoroethane	21.2		3,	
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 acetate 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 ND	1.0	ug/L	
Trichlorothene		1.0	ug/L	
	ND	1.0	ug/L ug/L	
1,2,4-Trichloro-	ND	1.0	ug/ ii	
benzene	7.TD	1 0	110 /T	
1,1,1-Trichloroethane	ND	1.0	ug/L	

Client Sample ID: S25 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-010	Work Order #:	L017K1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	85	(61 - 128)	
Toluene-d8	94	(76 - 110)	

(74 - 116)

92

4-Bromofluorobenzene

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #						_ 0.4 =
Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017K1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017K1AF
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017K1AA
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017K1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND pil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTING	<u>.</u>
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: 7-50 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-011 Work Order #...: L017L1AE Matrix..... WG

		DEDODUTNA		
D3 D3347001D	DECLIT M	REPORTIN LIMIT	UNITS	
PARAMETER	RESULT ND	1.0	ug/L	
1,2-Dichloropropane	ND	1.0	ug/L ug/L	
1,3-Dichloropropane	ND	1.0	ug/L	
2,2-Dichloropropane		1.0	ug/L	
cis-1,3-Dichloropropene	ND ND	1.0	ug/L	
trans-1,3-Dichloropropene		1.0		
1,1-Dichloropropene	ND	1.0	ug/L	
Ethylbenzene	ND	2.0	ug/L	
Diethyl ether	ND		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	ND	10	ug/L	
(MIBK)		e e		
Methyl tert-butyl ether	ND	5.0	ug/L	
(MTBE)				
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-	ND	1.0	ug/L	
1,2,2-trifluoroethane				
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	
		1.0	ug/L ug/L	
1,2,4-Trichloro-	ND	1.0	ug/11	
benzene	ATT	1 0	ug /T	
1,1,1-Trichloroethane	ND	1.0	ug/L	

Client Sample ID: 7-50 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-011	Work Order #:	L017L1AE	Matrix WG
PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	97	(73 - 122)	
1,2-Dichloroethane-d4	86	(61 - 128)	
Toluene-d8	96	(76 - 110)	

(74 - 116)

94

4-Bromofluorobenzene

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #						
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017L1AH
Chromium	ND	5.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017L1AF
Nickel	ND	40.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017L1AA
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017L1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTIN	ra.
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			3,
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-	ND	1.0	ug/L
2-butene			5.
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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Client Sample ID: 7-25 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-012 Work Order #...: L017M1AE Matrix.....: WG

		REPORTIN	rc.
DADAMEMED.	RESULT	LIMIT	UNITS
PARAMETER 1,2-Dichloropropane	ND	1.0	ug/L
	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		1.0	ug/L
1,1-Dichloropropene	ND ND	1.0	ug/L
Ethylbenzene		2.0	
Diethyl ether	ND	·	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	ND	10	ug/L
(MIBK)			,_
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: 7-25 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-012	Work Order #:	L017M1AE	Matrix: WG
		REPORTING	
<u>PARAMETER</u>	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	98	(73 - 122)	
1,2-Dichloroethane-d4	86	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	.: 0127015					
Arsenic	ND	10.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017M1AH
Chromium	ND	5.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017M1AF
Nickel	ND	40.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017M1AA
Lead	ND	3.0 Dilution Fact	ug/L or: 1	SW846 6010B	05/11-05/12/10	L017M1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Dil	0.040	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		DEDODUTNIC	
PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND 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 ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L ug/L
1,2-Dibromo-3-	ND	2.0	
•	MD	2.0	ug/L
chloropropane (DBCP) 1.2-Dibromoethane	ND	1.0	110 /T
1,2-Dibromoethane Dibromomethane	ND	1.0	ug/L
		1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND		ug/L
1,4-Dichlorobenzene	ND ND	1.0 1.0	ug/L
trans-1,4-Dichloro-	ממ	1.0	ug/L
2-butene	777	1 0	/T
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

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A0E050439-013 Work Order #...: L017N1AA Matrix..... WQ

		REPORTING		
מי מי מי מי מי מי מי מי מי מי מי מי מי מ	RESULT	LIMIT _	<u>UNITS</u>	
PARAMETER 1 2 Dishlerences	ND	1.0	ug/L	
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	2.0	ug/L	
Diethyl ether	ND	1.0	ug/L	
Ethyl methacrylate Hexachlorobutadiene	ND	1.0	ug/L	
		10	ug/L	
2-Hexanone	ND	1.0	ug/L	
Iodomethane	ND			
Isopropylbenzene	ND	1.0 1.0	ug/L	
p-Isopropyltoluene	ND		ug/L	
Methylene chloride	ND	1.0	ug/L	
Methyl methacrylate	ND	2.0	ug/L	
4-Methyl-2-pentanone	ND	10	ug/L	
(MIBK)		F 0	17	
Methyl tert-butyl ether	ND	5.0	ug/L	
(MTBE)		4 0	/-	
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	${ m ug/L}$	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	
1,1,2-Trichloro-	ND	1.0	ug/L	
1,2,2-trifluoroethane				
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-	ND	1.0	ug/L	
benzene			-	
1,1,1-Trichloroethane	ND	1.0	ug/L	
_, _, _ ===============================			<u>-</u> .	

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #: A0E050439-013	Work Order #:	L017N1AA	Matrix:	WQ
		REPORTING		
PARAMETER	RESULT	<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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Dibromofluoromethane	97	(73 - 122)		
1,2-Dichloroethane-d4	85	(61 - 128)		
Toluene-d8	94	(76 - 110)		
4-Bromofluorobenzene	94	(74 - 116)		

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

		REPORTING	
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: MW-102 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-014 Work Order #...: L017P1AE Matrix...... WG

		REPORTING		
PARAMETER	RESULT	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		
		1.0	ug/L	
1,1-Dichloropropene	ND		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	ND	10	ug/L	
(MIBK)				
Methyl tert-butyl ether	ND	5.0	ug/L	
(MTBE)				
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-	ND	1.0	ug/L	
1,2,2-trifluoroethane			5 ·	
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		
Trichloroethene			ug/L	
1,2,4-Trichloro-	ND	1.0	ug/L	
	ND	1.0	ug/L	
benzene	NID	1 0	/T	
1,1,1-Trichloroethane	ND	1.0	ug/L	

Client Sample ID: MW-102 05 10

GC/MS Volatiles

Lot-Sample #:	A0E050439-014	Work Order #	1: L017P1AE	Matrix:	WG

		REPORTING	3
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	96	(73 - 122	2)
1,2-Dichloroethane-d4	85	(61 - 128	8)
Toluene-d8	95	(76 - 110	0)
4-Bromofluorobenzene	91	(74 - 116)	6)

Client Sample ID: MW-102 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-014

Date Sampled...: 05/04/10 Date Received..: 05/05/10

PREPARATION-REPORTING WORK ANALYSIS DATE ORDER # PARAMETER RESULT LIMIT UNITS METHOD Prep Batch #...: 0127015 SW846 6010B 05/11-05/12/10 L017P1AH 10.0 ug/L Arsenic NDDilution Factor: 1 05/11-05/12/10 L017P1AF 5.0 ug/L SW846 6010B Chromium NDDilution Factor: 1

Matrix..... WG

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

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ution Facto	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND ·	0.040	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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	
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
1,2-Dichloroethane-d4	107	(80 - 125)	
Toluene-d8	103	(84 - 110)	
Bromofluorobenzene	85	(81 - 112)	

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

		D-D-0			
	מהיכיוד ש	REPORTIN			
PARAMETER o-Cresol	RESULT ND	<u>LIMIT</u> 10	<u>UNITS</u> ug/L		
m-Cresol	ND ND	10	ug/L		
	ND ND	10	ug/L ug/L		
p-Cresol	ND ND	10			
Acenaphthene		10	ug/L		
Acenaphthylene	ND	10	ug/L		
Anthracene Benzidine	ND	100	ug/L		
	ND	100	ug/L		
Benzo(a) anthracene	ND		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	ND	10	ug/L		
ether	T.T.	1.0	. /=		
Butyl benzyl phthalate	ND	10	ug/L		
bis(2-Chloroethoxy)	ND	10	ug/L		
methane		4.0	/-		
bis(2-Chloroethyl)-	ND	10	ug/L		
ether		4.0	/-		
bis(2-Chloroisopropyl)	ND	10	ug/L		
ether		4.0	.		
p-Chloro-m-cresol	ND	10	ug/L		
2-Chloronaphthalene	ND	10	ug/L		
2-Chlorophenol	ND	10	ug/L		
4-Chlorophenyl phenyl	ND	10	ug/L		
ether					
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	\mathtt{ug}/\mathtt{L}		
4,6-Dinitro-o-cresol	ND	50	ug/L		
2,4-Dinitrophenol	ND	50	ug/L		

Client Sample ID: EW3 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #: A0E050439-	15 Work Order	#: L01701AV	Matrix WG
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REPORTING METER RESULT LIMIT UNITS Dinitrotoluene ND 10 ug/L Dinitrotoluene ND 10 ug/L -octyl phthalate ND 10 ug/L Diphenylhydrazine ND 10 ug/L
Dinitrotoluene ND 10 ug/L Dinitrotoluene ND 10 ug/L L-octyl phthalate ND 10 ug/L Diphenylhydrazine ND 10 ug/L
Dinitrotoluene ND 10 ug/L l-octyl phthalate ND 10 ug/L Diphenylhydrazine ND 10 ug/L
n-octyl phthalate ND 10 ug/L Diphenylhydrazine ND 10 ug/L
Diphenylhydrazine ND 10 ug/L
2-Ethylhexyl) ND 10 ug/L
hthalate
oranthene ND 10 ug/L
rene ND 10 ug/L
chlorobenzene ND 10 ug/L
chlorobutadiene ND 10 ug/L
chlorocyclopenta- ND 10 ug/L
liene
chloroethane ND 10 ug/L
no(1,2,3-cd)pyrene ND 10 ug/L
phorone ND 10 ug/L
thalene ND 10 ug/L
robenzene ND 10 ug/L
trophenol ND 10 ug/L
trophenol ND 50 ug/L
trosodimethylamine ND 10 ug/L
trosodiphenylamine ND 10 ug/L
trosodi-n-propyl- ND 10 ug/L
mine
achlorophenol ND 10 ug/L
nanthrene ND 10 ug/L
nol ND 10 ug/L
ene ND 10 ${ m ug/L}$
4-Trichloro- ND 10 ug/L
penzene
6-Trichloro- ND 10 ug/L
phenol
PERCENT RECOVERY
ROGATE RECOVERY LIMITS
Luorophenol 61 (10 - 135)
nol-d5 62 (10 - 132)
6-Tribromophenol 62 (10 - 142)
Luorobiphenyl 56 (38 - 110)
phenyl-d14 72 (24 - 135)
cobenzene-d5 62 (44 - 110)

Client Sample ID: EW3 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E050439-015	Work Order #: L01	701AR Matrix WG
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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

Method: CFR136A 608			
	REPORTING		
RESULT	LIMIT	UNITS	
ND	1.0	ug/L	
PERCENT	RECOVERY		
RECOVERY	LIMITS	_	
86	(15 - 131)	
62	(10 - 114)	
	RESULT ND ND ND ND ND ND ND ND PERCENT RECOVERY 86	REPORTING RESULT ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND PERCENT RECOVERY RECOVERY LIMITS 86 (15 - 131	

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

Dilution Factor: 1	Method CFR136A 608		
		REPORTING	
PARAMETER	RESULT	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	76	(10 - 151)	
Decachlorobiphenyl	60	(10 - 151)	

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
	Dilu	tion Facto	r: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
,	Dilu	tion Facto	r: 1			
Total Cyanide	ND Dilu	0.010 tion Facto	mg/L r: 1	SM18 4500-CN E	05/18/10	0138329

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			
		REPORTIN	··G	
PARAMETER	RESULT	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	$\mathtt{ug/L}$	
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	$\mathtt{ug/L}$	
Trichloroethene	35	2.5	ug/L	
Vinyl chloride	16	2.5	ug/L	
	PERCENT	RECOVERY	•	
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	110	(80 - 12		
Toluene-d8	100	(84 - 11		
Bromofluorobenzene	85	(81 - 11		
bromorradenzene	00	(OT - TT	.4)	

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

		REPORTIN	ra
PARAMETER	RESULT	LIMIT	<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	ND	10	ug/L
ether	110	20	
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane	142		3, -
bis(2-Chloroethyl)-	ND	10	ug/L
ether	212		3,
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			5.
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			•
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
-,			-

Client Sample ID: EW1 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #...: A0E050439-016 Work Order #...: L018D1AV Matrix..... WG

		REPORTIN	
PARAMETER	RESULT	LIMIT	<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)	ND	10	ug/L
phthalate			
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene			
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-	ND	10	ug/L
amine			
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-	ND	10	ug/L
benzene			_
2,4,6-Trichloro-	ND	10	ug/L
phenol			<u> </u>
	PERCENT	RECOVERY	Z
SURROGATE	RECOVERY	LIMITS	
2-Fluorophenol	53	(10 - 13	35)
Phenol-d5	56	(10 - 13	
2,4,6-Tribromophenol	59	(10 - 14	•
2-Fluorobiphenyl	52	(38 - 11	
Terphenyl-d14	50	(24 - 13	
Nitrobenzene-d5	55	(44 - 11)	
TAT CT OMETITETIE - CO	22	(22 11	-0,

Client Sample ID: EW1 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E050439-016	Work Order #: L018D1AR	Matrix WG
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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

Decachlorobiphenyl

Dilution Factor: 1 Method....: CFR136A 608

50

Dilution Factor: 1	Metnod: CFRI36A 608		
		REPORTIN	1G
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	Z
SURROGATE	RECOVERY	<u>LIMITS</u>	
Tetrachloro-m-xylene	90	(15 - 13	31)

(10 - 114)

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 Analysis Date..: 05/13/10 Prep Date....: 05/11/10

Prep Batch #...: 0131044

Dilution Factor: 1	Method:	.: CFR136A 608		
		REPORTING		
PARAMETER	RESULT	LIMIT	<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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
Tetrachloro-m-xylene	71	(10 - 151)	1	
Decachlorobiphenyl	43	(10 - 151)	ı	

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
	Dilı	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
,	Dil	ition Facto	or: 1			
Total Cyanide	0.019	0.010	mg/L or: 1	SM18 4500-CN E	05/18/10	0138329

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	
		REPORTIN	rG	
PARAMETER	RESULT	<u>LIMIT</u>	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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	107	(80 - 12	5)	
Toluene-d8	104	(84 - 11	0)	
D	0.0	(01 11	2.1	

	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
1,2-Dichloroethane-d4	107	(80 - 125)	
Toluene-d8	104	(84 - 110)	
Bromofluorobenzene	89	(81 - 112)	

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

PARAMETER RESULT 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 ND 10 ug/L
ether
Butyl benzyl phthalate ND 10 ug/L
bis(2-Chloroethoxy) ND 10 ug/L
methane
bis(2-Chloroethyl)- ND 10 ug/L
ether
bis(2-Chloroisopropy1) ND 10 ug/L
ether
p-Chloro-m-cresol ND 10 ug/L
2-Chloronaphthalene ND 10 ug/L
2-Chlorophenol ND 10 ug/L
4-Chlorophenyl phenyl ND 10 ug/L
ether
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

Client Sample ID: E3A 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #: A0E050439-017 Work Order #: L018H1AF Matrix:	Order #: L018H1AF	ler#	Work	A0E050439-017	ŧ •	Lot-Sample :	T.O
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1,2-Diphenylhydrazine ND 10 ug/L bis(2-Ethylhexyl) ND 10 ug/L phthalate ND 10 ug/L Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L Hexachlorocyclopentadiene ND 10 ug/L Nphthalene ND 10 ug/L Nphthalene ND 10 ug/L Nptrobenzene ND 10 ug/L Nphthalene ND 10 ug/L N-Nitrobenzene ND 10 ug/L N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodimethylamine ND 10				
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) ND 10 ug/L phthalate 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 Indenci,2,3-cd)pyrene ND 10 ug/L Indenci,2,3-cd)pyrene ND 10 ug/L Nitrobenzene ND 10 ug/			REPORTIN	I G
2,6-Dinitrotoluene	PARAMETER	RESULT	LIMIT	UNITS
Di-n-octyl phthalate	2,4-Dinitrotoluene	ND	10	ug/L
1,2-Diphenylhydrazine	2,6-Dinitrotoluene	ND	10	ug/L
Dis(2-Ethylhexyl) ND	Di-n-octyl phthalate	ND	10	ug/L
phthalate Fluoranthene	1,2-Diphenylhydrazine	ND	10	\mathtt{ug}/\mathtt{L}
Fluoranthene	bis(2-Ethylhexyl)	ND	10	ug/L
Fluorene	-		10	/
Hexachlorobenzene				
Hexachlorobutadiene				_
Hexachlorocyclopenta-diene				-
diene Hexachloroethane ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Isophorone 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 N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L Phenanthrene ND 10 ug/L Phenanthrene ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132)				-
Hexachloroethane		ND	10	ug/L
Indemo(1,2,3-cd)pyrene ND 10 ug/L Isophorone ND 10 ug/L Naphthalene ND 10 ug/L Nitrobenzene 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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY SURROGATE RECOVERY SURROGATE RECOVERY SURROGATE RECOVERY 2,4,6-Tribromophenol 70 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)		ND	10	ua/L
Isophorone				_
Naphthalene				-
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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol Percent RECOVERY SURROGATE RECOVERY SURROGATE RECOVERY SURROGATE RECOVERY SURROGATE RECOVERY LIMITS 2-Fluorophenol 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	-			-
ND	-			-
#-Nitrophenol ND 50 ug/L N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L namine Pentachlorophenol ND 10 ug/L N-Phenanthrene ND 10 ug/L N-Phenol ND 10 ug/L N-Phenol ND 10 ug/L N-Pyrene ND 10 ug/L ND 1				
N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- Amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L Pyrene ND 10 ug/L Pyrene ND 10 ug/L ND 10 ug/L Pyrene ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND 10 ug/L ND ND 10 ug/L ND ND 10 ug/L ND ND ND 10 ug/L ND ND ND ND ND ND ND ND ND ND ND ND ND	_			-
N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L L,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY phenol PERCENT RECOVERY SURROGATE RECOVERY PEND 10 10 10 10 10 10 10 10 10 10 10 10 10	~		•	<u> </u>
N-Nitrosodi-n-propyl- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY SURROGATE RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)				•
amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY SURROGATE RECOVERY 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)				_
Phenanthrene ND 10 ug/L Phenol ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY phenol PERCENT RECOVERY SURROGATE RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)				-5.
Phenol ND 10 ug/L Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY SURROGATE RECOVERY LIMITS Phenol-d5 70 (10 - 135) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	Pentachlorophenol	· ND	10	ug/L
Pyrene ND 10 ug/L 1,2,4-Trichloro- ND 10 ug/L benzene 2,4,6-Trichloro- ND 10 ug/L phenol PERCENT RECOVERY BURNOGATE RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	henanthrene	ND	10	ug/L
1,2,4-Trichloro-	Phenol	ND	10	ug/L
benzene 2,4,6-Trichloro- phenol PERCENT RECOVERY SURROGATE RECOVERY 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	?yrene	ND	10	ug/L
2,4,6-Trichloro- phenol PERCENT RECOVERY SURROGATE RECOVERY 2-Fluorophenol Phenol-d5 2,4,6-Tribromophenol 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	1,2,4-Trichloro-	ND	10	ug/L
PERCENT RECOVERY SURROGATE RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)				
PERCENT RECOVERY SURROGATE RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)		ND	10	ug/L
SURROGATE RECOVERY LIMITS 2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	phenol			
2-Fluorophenol 69 (10 - 135) Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)		PERCENT	RECOVERY	Z
Phenol-d5 70 (10 - 132) 2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	SURROGATE	RECOVERY		
2,4,6-Tribromophenol 72 (10 - 142) 2-Fluorobiphenyl 60 (38 - 110)	2-Fluorophenol	69	(10 - 13)	35)
2-Fluorobiphenyl 60 (38 - 110)	Phenol-d5	70	(10 - 13	32)
	2,4,6-Tribromophenol	72	(10 - 14	12)
	2-Fluorobiphenyl	60	(38 - 11	LO)
Terphenyl-d14 78 (24 - 135)	Terphenyl-d14	78	(24 - 13	35)
Nitrobenzene-d5 68 (44 - 110)	Nitrobenzene-d5	68	(44 - 11)	LO)

Client Sample ID: E3A 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #:	A0E050439-017	Work Order #:	L018H1AC	Matrix WG
Data Commission	OF/04/10 10.00	Data Pagaired .	05/05/10	

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 60	08
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	<u>LIMITS</u>	_
Tetrachloro-m-xylene	64	(15 - 131)	
Decachlorobiphenyl	24	(10 - 114)	

Client Sample ID: E3A 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E050439-017	Work Order #: L018H1AD	Matrix WG
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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

Directon receor. 20	110011001111111111111		,		
		REPORTING			
PARAMETER	RESULT	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		
	PERCENT	RECOVERY			
SURROGATE	RECOVERY	LIMITS	_		
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.

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
	Dilı	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
·	Dilı	tion Facto	or: 1			
Total Cyanide	0.017	0.010	mg/L or: 1	SM18 4500-CN E	05/18/10	0138329

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOL)	PREPARATION- ANALYSIS DATE	WORK ORDER #
<pre>Prep Batch # Silver</pre>	: 0130013 ND	1.0 Dilution Facto	=	MCAWW	200.8	05/10-05/11/10	L018L1AA
Arsenic	ND	5.0 Dilution Facto	_	MCAWW	200.8	05/10-05/11/10	L018L1AC
Beryllium	ND	1.0 Dilution Facto	-	MCAWW	200.8	05/10-05/11/10	L018L1AK
Cadmium	ND	1.0 Dilution Facto	•	MCAWW	200.8	05/10-05/11/10	L018L1AD
Chromium	ND	2.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L018L1AE
Copper	16.0	2.0 Dilution Factor	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L018L1AF
Mercury	ND	0.20 Dilution Factor	ug/L or: 1	MCAWW	245.1	05/10-05/11/10	L018L1AP
Nickel	7.0	2.0 Dilution Factor	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L018L1AG
Lead	ND	1.0 Dilution Factor	2	MCAWW	200.8	05/10-05/11/10	L018L1AH
Antimony	ND	2.0 Dilution Factor	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L018L1AL
Selenium	ND	5.0 Dilution Factor	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L018L1AM
Thallium	ND	1.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L018L1AN
Zinc	ND	10.0 Dilution Facto	-	MCAWW	200.8	05/10-05/11/10	L018L1AJ

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
	Dilu	tion Facto	r: 1			
Nitrogen, as Ammonia		0.2 tion Facto	mg/L er: 1	SM18 4500NH3-F	05/19/10	0139352
Total phosphorus	ND Dilu	0.10	mg/L or: 1	SM18 4500-P E	05/18/10	0138316
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/11/10	0131120
	ກຳໃນ	tion Facto	r· 1			

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

PARAMETER	RESULT	REPORTING LIMIT		METHOD		PREPARATION- ANALYSIS DATE	WORK
Prep Batch #				_			
Silver	ND	1.0	-	MCAWW 2	200.8	05/10-05/11/10	L018X1AA
		Dilution Fact	or: 1				
Arsenic	5.3	5.0	uq/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AC
		Dilution Fact	-				
Beryllium	ND		ug/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AK
		Dilution Fact	or: 1				
Cadmium	ND	1.0	ug/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AD
Cadillani	1413	Dilution Fact	3 .				
Chromium	ND		ug/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AE
		Dilution Fact	or: 1				
Copper	16.3	2.0	ug/L	MCAWW 2	200 8	05/10-05/11/10	T.018X1AF
Соррет	10.5	Dilution Fact	-	IICIIVIV 2		00, 20 00, 22, 20	
Mercury	ND	0.20	ug/L	MCAWW 2	245.1	05/10-05/11/10	L018X1AP
		Dilution Fact	cor: 1				
Nickel	3.2	2.0	ug/L	MCAWW 2	200 8	05/10-05/11/10	T.018X1AG
NICKEL	J.2	Dilution Fact	-	PACEAUUV Z	200.0	03,10 03,11,10	202022210
Lead	2.0	1.0	ug/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AH
		Dilution Fact	cor: 1				
7	ND	2.0	ug/L	MCAWW 2	200 8	05/10-05/11/10	T.N18¥1 AT.
Antimony	עע	2.0 Dilution Fact	-	PICAVVV 2	200.8	03/10 03/11/10	LOIOMIAD
		Dilucion 1 de	.01. 1				
Selenium	ND	5.0	ug/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AM
		Dilution Fact	or: 1			•	
_1 221		1 0	/-	ACCRETE S	200	0F/10 0F/11/10	T 01 03/1 3 3T
Thallium	ND	1.0 Dilution Fact	ug/L	MCAWW 2	200.8	05/10-05/11/10	LUIOXIAN
		Dilucion Fact	or: r				
Zinc	113	10.0	ug/L	MCAWW 2	200.8	05/10-05/11/10	L018X1AJ
		Dilution Fact	cor: 1				

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
,	Dil	ution Facto	or: 1			
Nitrogen, as Ammonia		0.2	mg/L	SM18 4500NH3-F	05/19/10	0139352
	Dil	ution Facto	or: 1.			
Total phosphorus	ND	0.10	mg/L	SM18 4500-P E	05/18/10	0138316
	Dil	ution Facto	or: 1			
Total Suspended Solids	9.0	4.0	mg/L	SM18 2540 D	05/11/10	0131120
	Dil	ution Facto	or: 1			

Client Sample ID: E3A 05 10 (COMP)

TOTAL Metals

Matrix..... WG

05/10-05/11/10 L01821AJ

Lot-Sample #...: A0E050439-020

Zinc

21.6

10.0

Dilution Factor: 1

Date Sampled...: 05/04/10 18:00 Date Received..: 05/05/10 REPORTING PREPARATION-WORK LIMIT UNITS METHOD ANALYSIS DATE ORDER #_ PARAMETER RESULT Prep Batch #...: 0130013 MD 1.0 ug/L MCAWW 200.8 05/10-05/11/10 L01821AA Silver Dilution Factor: 1 MCAWW 200.8 Arsenic ND 5.0 uq/L 05/10-05/11/10 L01821AC Dilution Factor: 1 Beryllium ND 1.0 uq/L MCAWW 200.8 05/10-05/11/10 L01821AK Dilution Factor: 1 Cadmium ND 1.0 MCAWW 200.8 05/10-05/11/10 L01821AD ua/L Dilution Factor: 1 Chromium MCAWW 200.8 05/10-05/11/10 L01821AE ND 2.0 ua/L Dilution Factor: 1 ND2.0 ua/L MCAWW 200.8 05/10-05/11/10 L01821AF Copper Dilution Factor: 1 0.20 05/10-05/11/10 L01821AP ND ug/L MCAWW 245.1 Mercury Dilution Factor: 1 Nickel 11.7 2.0 uq/L MCAWW 200.8 05/10-05/11/10 L01821AG Dilution Factor: 1 MCAWW 200.8 Lead ND 1.0 ug/L 05/10-05/11/10 L01821AH Dilution Factor: 1 Antimony ND 2.0 ua/L MCAWW 200.8 05/10-05/11/10 L01821AL Dilution Factor: 1 Selenium ND 5.0 ua/L MCAWW 200.8 05/10-05/11/10 L01821AM Dilution Factor: 1 Thallium MCAWW 200.8 05/10-05/11/10 L01821AN ND 1.0 ug/L Dilution Factor: 1

ug/L

MCAWW 200.8

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	05/05-05/10/10	0125386
, ,	Dilı	ution Facto	or: 1			
Nitrogen, as Ammonia		0.2 ution Facto	mg/L or: 1	SM18 4500NH3-F	05/19/10	0139352
Total phosphorus	ND Dil	0.10 ution Facto	mg/L or: 1	SM18 4500-P E	05/18/10	0138316
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/11/10	0131120
	ກຳໄາ	ition Facto	r. 1			

Dilution Factor: 1

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

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromobenżene	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: D7 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-021 Work Order #...: L01831AE Matrix...... WG

		THE COURT IN	
DARAMORE	DECITE E	REPORTING	IDITMO
PARAMETER	RESULT	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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene	w 1 w	2.0	~g, ~
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: D7 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-021	Work Order #:	L01831AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	95	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	94	(76 - 110)	
4-Bromofluorobenzene	91	(74 - 116)	

Client Sample ID: D7 05 10

DISSOLVED Metals

Matrix....: WG

Lot-Sample #...: A0E050439-021

Date Sampled...: 05/04/10 09:49 Date Received..: 05/05/10

		REPORTING			PREPARATION-	WORK
PARAMETER	RESULT	<u>LIMIT</u>	<u>UNITS</u>	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #	: 0127015					
Arsenic	ND	10.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AH
		Dilution Facto	or: 1			
Chromium	ND	5.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AF
		Dilution Facto	or: 1			
Nickel	ND	40.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AA
	,	Dilution Facto	or: 1			
Lead	ND	3.0	ug/L	SW846 6010B	05/11-05/12/10	L01831AG
		Dilution Facto	or: 1			

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTING	
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: D5 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-022 Work Order #...: L019A1AE Matrix...... WG

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L 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 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 ug/L
Isopropylbenzene	ND	1.0	ug/L ug/L
	ND	1.0	
p-Isopropyltoluene			ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methy1-2-pentanone (MIBK)	ND	10	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene			-
1,1,1-Trichloroethane	ND	1.0	ug/L

Client Sample ID: D5 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-022	Work Order #:	L019A1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	<u>LIMIT</u>	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	97	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	97	(76 - 110)	
4-Bromofluorobenzene	93	(74 - 116)	

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	: 0127015					
Arsenic	ND	10.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019A1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019A1AF
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019A1AA
Lead	ND	3.0 Dilution Factor	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019A1AG

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH</u> #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Dil	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/19/10	0139393

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

		REPORTING	
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: D4 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-023 Work Order #...: L019G1AE Matrix..... WG

		DEDODUTN	REPORTING		
DADAMENTO	DECILA				
PARAMETER 1 2 Dichlerence	RESULT ND	<u>LIMIT</u> 1.0	<u>UNITS</u> ug/L		
1,2-Dichloropropane		1.0	-		
1,3-Dichloropropane	ND	1.0	ug/L		
2,2-Dichloropropane	ND		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	ND	10	ug/L		
(MIBK)					
Methyl tert-butyl ether	ND	5.0	ug/L		
(MTBE)					
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-	ND	1.0	ug/L		
1,2,2-trifluoroethane	142		~=, ~		
1,2,4-Trimethylbenzene	ND	1.0	ug/L		
1,3,5-Trimethylbenzene	ND	1.0	ug/L		
	ND	2.0	ug/L		
Vinyl acetate		1.0			
Vinyl chloride	ND		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-	ND	1.0	ug/L		
benzene					
1,1,1-Trichloroethane	ND	1.0	ug/L		

Client Sample ID: D4 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-023	Work Order #:	L019G1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
Dibromofluoromethane	104	(73 - 122)	
1,2-Dichloroethane-d4	84	(61 - 128)	
Toluene-d8	97	(76 - 110)	
4-Bromofluorobenzene	94	(74 - 116)	

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 LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Arsenic	ND	10.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019G1AH
Chromium	ND	5.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019G1AF
Nickel	ND	40.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019G1AA
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846 6010B	05/11-05/12/10	L019G1AG

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

PARAMETER	RESULT	RL	<u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	0.083	0.040 ution Fact	mg/L or: 1	MCAWW 420.1	05/21/10	0141226

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

		REPORTIN	rc.
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			
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

Client Sample ID: MW-100 05 10

GC/MS Volatiles

Lot-Sample #...: A0E050439-024 Work Order #...: L019J1AE Matrix...... WG

		REPORTIN	
PARAMETER	RESULT	LIMIT	<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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			
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-	ND	1.0	ug/L
benzene			5
1,1,1-Trichloroethane	ND	1.0	ug/L
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Client Sample ID: MW-100 05 10

GC/MS Volatiles

Lot-Sample #: A0E050439-024	Work Order #:	L019J1AE	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	<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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
Dibromofluoromethane	105	(73 - 122)	
1,2-Dichloroethane-d4	85	(61 - 128)	
Toluene-d8	99	(76 - 110)	
4-Bromofluorobenzene	99	(74 - 116)	

Client Sample ID: MW-100 05 10

DISSOLVED Metals

Lot-Sample #...: A0E050439-024

Date Sampled...: 05/04/10

Date Received..: 05/05/10

Matrix..... WG

REPORTING PREPARATION-WORK PARAMETER ____RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Prep Batch #...: 0127015 Arsenic ND . 10.0 ug/L SW846 6010B 05/11-05/13/10 L019J1AH Dilution Factor: 1 5.0 SW846 6010B 05/11-05/13/10 L019J1AF Chromium ND ug/L Dilution Factor: 1 SW846 6010B 05/11-05/13/10 L019J1AA Nickel ND 40.0 ug/L Dilution Factor: 1 3.0 SW846 6010B 05/11-05/13/10 L019J1AG Lead NDug/L Dilution Factor: 1

Client Sample ID: MW-100 05 10

General Chemistry

Lot-Sample #...: A0E050439-024 Work Order #...: L019J Matrix.....: WG

Date Sampled...: 05/04/10 Date Received..: 05/05/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND Dil	0.010 ution Fact	mg/L or: 1	SW846 9012A	05/18/10	0138328
Total Phenols	ND Di:	0.040 Lution Fact	mg/L or: 1	MCAWW 420.1	05/20/10	0140296



QUALITY CONTROL SECTION

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

		REPORTING		
PARAMETER	RESULT	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
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.

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AA Matrix.....: WATER

MB Lot-Sample #: A0E130000-306

Prep Date....: 05/12/10

Analysis Date..: 05/12/10 Prep Batch #...: 0133306

Dilution Factor: 1

PARAMETER			REPORTING	7	
Acetone Acrolein Acrolein Acrylonitrile ND 20 ug/L SW846 8260B Acrylonitrile ND 20 ug/L SW846 8260B Benzene ND 1.0 ug/L SW846 8260B Benzene ND 1.0 ug/L SW846 8260B Bromochenzene ND 1.0 ug/L SW846 8260B Bromochenrene ND 1.0	PARAMETER	RESULT			METHOD
Acrolein			-		SW846 8260B
Acrylonitrile		ND	20	-	SW846 8260B
Benzene		ND			
Bromobenzene	-	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	Bromobenzene	ND	1.0	-	SW846 8260B
Bromoform	Bromochloromethane	ND	1.0	ug/L	SW846 8260B
### Bromomethane ND 1.0	Bromodichloromethane	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 Chloroderhane ND 1.0 ug/L SW846 8260B Chloroform ND 1.0 ug/L SW846 8260B Chlorothexane ND 1.0 ug/L SW846 8260B Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L	Bromoform	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene ND 1.0 ug/L SW846 8260B sec-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 Chlorodibromomethane ND 1.0 ug/L SW846 8260B Chlorodibromomethane ND 1.0 ug/L SW846 8260B Chloroform ND 1.0 ug/L SW846 8260B Chloroform ND 1.0 ug/L SW846 8260B Chlorothane ND 1.0 ug/L SW846 8260B Chlorothane ND 1.0 ug/L SW846 8260B Chlorothane ND 1.0 ug/L <t< td=""><td>Bromomethane</td><td>ND</td><td>1.0</td><td>ug/L</td><td>SW846 8260B</td></t<>	Bromomethane	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene ND 1.0 ug/L SW846 8260B sec-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 Chlorobenzene ND 1.0 ug/L SW846 8260B Chlorodibromomethane ND 1.0 ug/L SW846 8260B Chloroethane ND 1.0 ug/L SW846 8260B Chloroethyl vinyl ether ND 1.0 ug/L SW846 8260B 2-Chlorothyluene ND 1.0 ug/L SW846 8260B 1-Chlorobaluene ND 1.0 ug/L SW846 8260B 2-Chlorotoluene ND 1.0 ug/L SW846 8260B 4-Chlorotoluene ND 1.0 ug/L	Methyl ethyl ketone	ND	10	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 1.0 ug/L SW846 8260B 2-Chloroform ND 1.0 ug/L SW846 8260B 1-Chlorohexane ND 1.0 ug/L SW846 8260B 1-Chlorobenzane ND 1.0 ug/L SW846 8260B 1-Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L <td></td> <td>ND</td> <td>1.0</td> <td>ug/L</td> <td>SW846 8260B</td>		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 1.0 ug/L SW846 8260B Chloroform ND 1.0 ug/L SW846 8260B Chlorothane ND 1.0 ug/L SW846 8260B Chlorothane ND 1.0 ug/L SW846 8260B 2-Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B L,2-Dibromoethane ND 1.0 ug/L	sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride ND 1.0 ug/L SW846 8260B Chlorodenzene ND 1.0 ug/L SW846 8260B Chloroethome ND 1.0 ug/L SW846 8260B Chloroethyl vinyl ether ND 1.0 ug/L SW846 8260B 2-Chloroform ND 1.0 ug/L SW846 8260B Chloroform ND 1.0 ug/L SW846 8260B Chlorodexane ND 1.0 ug/L SW846 8260B Chlorotoluene 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 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B 1,2-Dichloroethane ND 1.0 ug/L S	tert-Butylbenzene	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 2-Chloroform ND 1.0 ug/L SW846 8260B 1-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 2-Chlorotoluene ND 1.0 ug/L SW846 8260B 2-Chlorotoluene ND 1.0 ug/L SW846 8260B 2-Chlorotoluene ND 1.0 ug/L SW846 8260B 1,2-Dibromomethane ND 1.0 ug/L SW846 8260B 1,2-Dibromomethane ND 1.0 ug/L SW846 8260B 1,2-Dichlorobenzene 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 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,2-Dichloroethene ND 1.0 ug/L SW846 8260B	Carbon disulfide	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 Chlorotoluene 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 4-Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanome ND 1.0 ug/L SW846 8260B 1,2-Dibromomethane ND 1.0 ug/L SW846 8260B 1,2-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,4-Dichlorobenzene ND 1.0 ug/L<	Carbon tetrachloride	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 1-Chlorotoluene 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 4-Chlorotoluene ND 1.0 ug/L SW846 8260B 2-Cyclohexanone ND 1.0 ug/L SW846 8260B 1,2-Dichoexanone ND 1.0 ug/L SW846 8260B 1,2-Dichoexanone 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 <td>Chlorobenzene</td> <td>ND</td> <td>1.0</td> <td>ug/L</td> <td>SW846 8260B</td>	Chlorobenzene	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 1-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 4-Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanone ND 20 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B 1,2-Dibromoethane 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 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B 1,2-Dichloroethene ND 1.0 ug/L SW846 8260B 1,2-Dichloroethene ND 1.0 ug/L SW846 8260B Dichlorofluoromethane ND 1.0 ug/L SW846 8260B Dichlorofluoromethane ND 1.0 ug/L SW846 8260B Dichlorofluoromethane ND 1.0 ug/L SW846 8260B	Chlorodibromomethane	ND	1.0	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 4-Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B 1,2-Dibromoethane ND 1.0 ug/L SW846 8260B 1,2-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,2-Dichloroethene ND 1.0 ug/L <td>Chloroethane</td> <td>ND</td> <td>1.0</td> <td>ug/L</td> <td>SW846 8260B</td>	Chloroethane	ND	1.0	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 4-Chlorotoluene ND 1.0 ug/L SW846 8260B Cyclohexanone ND 1.0 ug/L SW846 8260B 1,2-Dibromoethane ND 1.0 ug/L SW846 8260B 1,2-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,2-Dichloroethene ND 1.0 ug/L <td>2-Chloroethyl vinyl ether</td> <td>ND</td> <td>10</td> <td>ug/L</td> <td>SW846 8260B</td>	2-Chloroethyl vinyl ether	ND	10	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 1.0 ug/L SW846 8260B 1,2-Dibromoethane 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- ND 1.0 ug/L SW846 8260B 2-butene 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 cis-1,2-Dichloroethene <		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 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B trans-1,4-Dichloro- 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 bring 1.0 ug/L SW846 8260B 8260B 1,2-Dichloroethene ND 1.0 <td>1-Chlorohexane</td> <td>ND</td> <td>1.0</td> <td>ug/L</td> <td>SW846 8260B</td>	1-Chlorohexane	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 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B trans-1,4-Dichloro- ND 1.0 ug/L SW846 8260B trans-1,4-Dichloro- ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane 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 1,1-Dichloroethene ND 1.0 ug/L SW846 8260B cis-1,2-Dichloroethene ND 1.0 ug/L SW846 8260B cis-1,2-Dichloroethene ND 1.0 ug/L SW846 8260B bichlorofluoromethane ND 1.0 ug/L SW846 8260B SW846 8260B Dichlorofluoromethane ND 2.0 ug/L SW846 8260B SW846 8260B	Chloromethane	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 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B trans-1,4-Dichloro- ND 1.0 ug/L SW846 8260B 2-butene Dichlorodifluoromethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-Dichloroethene 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 Dichlorofluoromethane ND 1.0 ug/L SW846 8260B 1,2-Dichloropropane	2-Chlorotoluene	ND	1.0	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 1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B 1,4-Dichloro- ND 1.0 ug/L SW846 8260B trans-1,4-Dichloro- ND 1.0 ug/L SW846 8260B 2-butene Dichloroethane ND 1.0 ug/L SW846 8260B 1,1-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 brichlorofluoromethane ND 1.0 ug/L SW846 8260B 1,2-Dichloropropane ND 1.0 ug/L SW846 8260B	4-Chlorotoluene	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- ND 1.0 ug/L SW846 8260B 2-butene Dichlorodifluoromethane ND 1.0 ug/L SW846 8260B 1,1-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 Dichlorofluoromethane ND 1.0 ug/L SW846 8260B 1,2-Dichloropropane ND 1.0 ug/L SW846 8260B	Cyclohexanone	ND	20	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- ND 1.0 ug/L SW846 8260B 2-butene 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 1,1-Dichloroethene 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 Dichlorofluoromethane ND 2.0 ug/L SW846 8260B 1,2-Dichloropropane ND 1.0 ug/L SW846 8260B	1,2-Dibromoethane	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- ND 1.0 ug/L SW846 8260B 2-butene 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 1,1-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	Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene ND 1.0 ug/L SW846 8260B trans-1,4-Dichloro- ND 1.0 ug/L SW846 8260B 2-butene 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	1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro- ND 1.0 ug/L SW846 8260B 2-butene 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-Dichloroethane ND 1.0 ug/L SW846 8260B cis-1,2-Dichloroethane ND 1.0 ug/L SW846 8260B trans-1,2-Dichloroethane 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-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
2-butene 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-Dichloroethane ND 1.0 ug/L SW846 8260B cis-1,2-Dichloroethane ND 1.0 ug/L SW846 8260B trans-1,2-Dichloroethane 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	1,4-Dichlorobenzene	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-Dichloroethane ND 1.0 ug/L SW846 8260B cis-1,2-Dichloroethane ND 1.0 ug/L SW846 8260B trans-1,2-Dichloroethane 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	trans-1,4-Dichloro-	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	2-butene				
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	Dichlorodifluoromethane	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	1,1-Dichloroethane	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	1,2-Dichloroethane	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	1,1-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	cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane 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 Dightoronyonon ND 1 0 12/1 CMO16 0260D	1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-DICHIOLOPLOBURE ND 1.0 mg/L 2008	1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AA Matrix.....: WATER

		REPORTII	VG	
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B
benzene				
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-	ND	1.0	ug/L	SW846 8260B
1,2,2-trifluoroethane				
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-	ND	2.0	ug/L	SW846 8260B
chloropropane (DBCP)				
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
(MIBK)		F 0	,_	G**0.4.600.6.0=
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
(MTBE)				

GC/MS Volatiles

RESULT	REPORTING LIMIT UNITS	METHOD
PERCENT	RECOVERY	
RECOVERY	<u>LIMITS</u>	
102	(73 - 122)	
91	(61 - 128)	
97	(76 - 110)	
97	(74 - 116)	
	PERCENT RECOVERY 102 91	RESULT LIMIT UNITS PERCENT RECOVERY RECOVERY LIMITS 102 (73 - 122) 91 (61 - 128) 97 (76 - 110)

Calculations are performed before rounding to avoid round-off errors in calculated results.

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1HL61AA Matrix......: WATER

MB Lot-Sample #: A0E140000-166

Prep Date....: 05/12/10

Analysis Date..: 05/12/10 Prep Batch #...: 0134166

Dilution Factor: 1

		REPORTI	VG	
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B
2-butene				
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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1HL61AA Matrix.....: WATER

		REPORTI	1G		
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B	
benzene					
1,1,1-Trichloroethane	ND	1.0	\mathtt{ug}/\mathtt{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-	ND	1.0	\mathtt{ug}/\mathtt{L}	SW846 8260B	
1,2,2-trifluoroethane					
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-	ND	2.0	ug/L	SW846 8260B	
chloropropane (DBCP)					
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B	
(MIBK)					
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
(MTBE)					

GC/MS Volatiles

Client Lot #: A0E050439	Work Order #: L1HL61AA		Matrix WATER
PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	99	(73 - 122)	
1,2-Dichloroethane-d4	86	(61 - 128)	
Toluene-d8	96	(76 - 110)	
4-Bromofluorobenzene	96	(74 - 116)	
NOTE(S):			
MOTE(D).			

GC/MS Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L09D81AA Matrix...... WATER

MB Lot-Sample #: A0E100000-039

Prep Date....: 05/10/10

Analysis Date..: 05/17/10 Prep Batch #...: 0130039

Dilution Factor: 1

		REPORTIN	G		
PARAMETER	RESULT	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	ND	10	ug/L	CFR136A 625	
ether					
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625	
bis(2-Chloroethoxy)	ND	10	ug/L	CFR136A 625	
methane					
bis(2-Chloroethyl)-	ND	10	ug/L	CFR136A 625	
ether					
bis(2-Chloroisopropyl)	ND	10	ug/L	CFR136A 625	
ether					
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	ND	10	ug/L	CFR136A 625	
ether					
Chrysene	ND	10	ug/L	CFR136A 625	
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625	
Di-n-butyl phthalate	ND	10	\mathtt{ug}/\mathtt{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	

GC/MS Semivolatiles

		REPORTI	NG			
PARAMETER	RESULT	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)	ND	10	ug/L	CFR136A 625		
phthalate						
Fluoranthene	ND	10	ug/L	CFR136A 625		
Fluorene	ND	10	ug/L	CFR136A 625		
Hexachlorobenzene	ND	10	${\tt ug/L}$	CFR136A 625		
Hexachlorobutadiene	ND	10	\mathtt{ug}/\mathtt{L}	CFR136A 625		
Hexachlorocyclopenta-	ND	10	ug/L	CFR136A 625		
diene -						
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-	ND	10	ug/L	CFR136A 625		
amine			/-	CTT 1 2 CT		
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-	ND	10	ug/L	CFR136A 625		
benzene						
2,4,6-Trichloro-	ND	10	ug/L	CFR136A 625		
phenol						
	PERCENT	RECOVER	Y			
SURROGATE	RECOVERY	LIMITS				
2-Fluorophenol	67	(10 - 1				
Phenol-d5	66	(10 - 1				
2,4,6-Tribromophenol	66	(10 - 1	42)			
2-Fluorobiphenyl	59	(38 - 1	•			
Terphenyl-d14	78	(24 - 1	35)			
Nitrobenzene-d5	68	(44 - 1)	10)			

NOTE(S):

GC Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L1ANJ1AA Matrix..... WATER

MB Lot-Sample #: A0E110000-044

Prep Date....: 05/11/10

Analysis Date..: 05/13/10 Prep Batch #...: 0131044

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
Tetrachloro-m-xylene	79	(10 - 151	•	
Decachlorobiphenyl	77	(10 - 151	_)	

NOTE(S):

GC Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L1ANK1AA

Matrix..... WATER

MB Lot-Sample #: A0E110000-045

Prep Date....: 05/11/10
Prep Batch #...: 0131045

Analysis Date..: 05/12/10

Dilution Factor: 1

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		IVER OUT TING		
PARAMETER	RESULT	LIMIT	<u>UNITS</u>	METHOD
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
	PERCENT	RECOVERY		
SURROGATE	<u>RECOVERY</u>	LIMITS	_	
Tetrachloro-m-xylene	88	(15 - 131))	
Decachlorobiphenyl	85	(10 - 114))	

NOTE(S):

TOTAL Metals

Client Lot #...: A0E050439 Matrix....: WATER

PARAMETER	RESULT	REPORTIN	G <u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample	#- AOE100000	-013 Prep B	atch #:	0130013		
Antimony	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AL
		Dilution Fact	tor: 1			
Arsenic	ND	5.0 Dilution Fact	ug/L tor: 1	MCAWW 200.8	05/10-05/11/10	L09C81AC
m 11'	3.70	1 0	/T	34C 3 I-T-I 2 0 0 0	05/10 05/11/10	T 0000177
Beryllium	ND	1.0 Dilution Fact	ug/L	MCAWW 200.8	05/10-05/11/10	LUSCOLAR
		Direction rec				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AD
		Dilution Fact	tor: 1			
c.1	7.77	2 0	/T	MONITO 200 0	05/10-05/11/10	T 0000170
Chromium	ND	2.0 Dilution Fact	ug/L	MCAWW 200.8	05/10-05/11/10	LUSCOTAE
		DITUCTON FAC	COI. I			
Copper	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AF
		Dilution Fact	tor: 1			
		4 0			05/10 05/11/10	T 00001377
Lead	ND	1.0 Dilution Fac		MCAWW 200.8	05/10-05/11/10	LU9C8IAH
		DITUCION FAC	COI: I			
Mercury	ND	0.20	ug/L	MCAWW 245.1	05/10-05/11/10	L09C81AP
-		Dilution Fac	tor: 1			
						- 00 - 04
Nickel	ND		ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AG
		Dilution Fac	tor: 1			
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AM
		Dilution Fac	tor: 1			
•						
Silver	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AA
		Dilution Fac	tor: 1			
Thallium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AN
		Dilution Fac	_			
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L09C81AJ
		Dilution Fac	tor: 1			
NOTE(S):						

DISSOLVED Metals

PARAMETER	RESULT	REPORTING LIMIT	UNITS	<u>METHOI</u>	D	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample	#: A0E070000-	-015 Prep Ba	atch #:	0127015			
Arsenic	ND	10.0	ug/L	SW846	6010B	05/11-05/12/10	L051K1AE
		Dilution Fact	or: 1				
Chromium	ND	5.0	ug/L	SW846	6010B	05/11-05/12/10	L051K1AC
		Dilution Fact	3.			,,,	• •
Lead	ND	3.0	ug/L	SW846	6010B	05/11-05/12/10	L051K1AD
		Dilution Fact	or: 1				
Nickel	ND	40.0	ug/L	SW846	6010B	05/11-05/12/10	L051K1AA
21201102		Dilution Fact	5 .			,	
NOTE(S):							

General Chemistry

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractab		Work Order	#: L1MMG1AA	MB Lot-Sample #:	A0E180000-085	
100011101	ND	5.0 Dilution Fact		CFR136A 1664A HEM	05/18/10	0138085
n-Hexane Extractab Material, SGT	le	Work Order	#: L1MMJ1AA	MB Lot-Sample #:	A0E180000-086	
	ND	10.0 Dilution Fact	-	CFR136A 1664A SGT	05/18/10	0138086
Biochemical Oxygen Demand (BOD)		Work Order	#: L09XD1AA	MB Lot-Sample #:	A0E050000-386	
	ND	2 Dilution Fact	-	SM18 5210 B	05/05-05/10/10	0125386
Cyanide, Total	ND		mg/L	MB Lot-Sample #: SW846 9012A		0137418
Cyanide, Total	ND		mg/L	MB Lot-Sample #: SW846 9012A		0138328
Nitrogen, as Ammon	ia ND	Work Order 0.2 Dilution Fact	mg/L	MB Lot-Sample #: SM18 4500NH3-F		0139352
Total phosphorus	ND		mg/L	MB Lot-Sample #: SM18 4500-P E		0138316
Total Cyanide	ND	Work Order 0.010 Dilution Fact	mg/L	MB Lot-Sample #: SM18 4500-CN E		0138329
Total Phenols	ND		mg/L	MB Lot-Sample #: MCAWW 420.1		0139393
Total Phenols	0.056		mg/L	MB Lot-Sample #: MCAWW 420.1		0140296

General Chemistry

PARAMETER	RESULT	REPORTING	G <u>UNITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Phenols	ND	Work Order 0.040 Dilution Fact	mg/L	MB Lot-Sample #: MCAWW 420.1	A0E210000-226 05/21/10	0141226
Total Suspended		Work Order	#: L1ATL1AA	MB Lot-Sample #:	A0E110000-120	
501100	ND	4.0 Dilution Fact	mg/L cor: 1	SM18 2540 D	05/11/10	0131120

NOTE(S):

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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 - 1 38)	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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		112	(80 - 125)
Toluene-d8		105	(84 - 110)
Bromofluorobenzene		98	(81 - 112)

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.

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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-	125	(70 - 130)			SW846 8260B
1,2,2-trifluoroethane	119	(70 - 130)	5.5	(0-30)	SW846 8260B
Methyl tert-butyl ether	107	(70 - 130)			SW846 8260B
(MTBE)					
	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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix...... WATER LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

LCS Lot-Sample#: A0E130000-306

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
1 , 1 310 310 310	95	(70 - 130)	1.3	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
2,2 2.10.1. 0.1	94	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-	79	(70 - 130)		,	SW846 8260B
propane		,			
p.2.0p.0.1.0	80	(70 - 130)	1.1	(0-30)	SW846 8260B
1,2,4-Trichloro-	103	(70 - 130)			SW846 8260B
benzene					
	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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1F9H1AC-LCS Matrix....: WATER LCS Lot-Sample#: A0E130000-306 L1F9H1AD-LCSD

PERCENT RECOVERY RPD PARAMETER RECOVERY LIMITS RPD LIMITS METHOD 91 (70 - 130)SW846 8260B 1,3-Dichloropropane (70 - 130)2.9 (0-30)SW846 8260B 94 SW846 8260B 91 (70 - 130)2,2-Dichloropropane SW846 8260B 84 (70 - 130)7.8 (0-30)(70 - 130)SW846 8260B 96 1,1-Dichloropropene 94 (70 - 130)2.1 (0-30)SW846 8260B (70 - 130)SW846 8260B 80 Hexachlorobutadiene (70 - 130)0.020(0-30)SW846 8260B 80 (70 - 130)SW846 8260B Iodomethane 115 (70 - 130)SW846 8260B (0-30)105 9.3 SW846 8260B 94 (70 - 130)p-Isopropyltoluene SW846 8260B 95 (70 - 130)0.89 (0-30)Naphthalene 97 (70 - 130)SW846 8260B 95 (70 - 130)1.9 (0-30)SW846 8260B 95 (70 - 130)SW846 8260B n-Propylbenzene SW846 8260B (70 - 130)98 3.7 (0-30)(70 - 130)SW846 8260B 91 1,1,1,2-Tetrachloroethane SW846 8260B (70 - 130)(0-30)83 8.4 (70 - 130)SW846 8260B 1,2,3-Trichlorobenzene 105 (70 - 130)SW846 8260B 100 (0-30)4.6 (70 - 130)SW846 8260B 1,2,3-Trichloropropane 96 (70 - 130)SW846 8260B 101 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 (70 - 130)2.0 (0-30)93 RECOVERY PERCENT RECOVERY LIMITS SURROGATE Dibromofluoromethane 104 (73 - 122)(73 - 122)100 91 (61 - 128)1,2-Dichloroethane-d4 91 (61 - 128)(76 - 110)Toluene-d8 98 97 (76 - 110)4-Bromofluorobenzene 98 (74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results. Bold print denotes control parameters 94

(74 - 116)

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY	RPD	
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD
Chloromethane	69	(48 - 123)		SW846 8260B
	66	(48 - 123)	5.2 (0-30)	SW846 8260B
Bromomethane	98	(64 - 129)		SW846 8260B
	88	•	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		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	•	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		1.4 (0-30)	SW846 8260B
1,2-Dichloropropane	90	(82 - 115)		SW846 8260B
	94	•	4.1 (0-30)	SW846 8260B
cis-1,3-Dichloropropene	80 a	(84 - 130)		SW846 8260B
	84		4.8 (0-30)	SW846 8260B
Trichloroethene	99	(75 - 122)		SW846 8260B
	100		0.34 (0-20)	SW846 8260B
Chlorodibromomethane	77 a	(81 - 138)		SW846 8260B
	78 a	•	0.93 (0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(83 - 122)		SW846 8260B
	96	(83 - 122)	3.9 (0-30)	SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1HL61AC-LCS Matrix...... WATER

LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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-	113	(70 - 130)			SW846 8260B
1,2,2-trifluoroethane					
	111	(70 - 130)	1.9	(0-30)	SW846 8260B
Methyl tert-butyl ether	101	(70 - 130)			SW846 8260B
(MTBE)					
	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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1HL61AC-LCS Matrix....: WATER

LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

	PERCENT	RECOVERY RPI		RPD		
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD	
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-	82	(70 - 130)			SW846 8260B	
propane						
	79	(70 - 130)	4.6	(0-30)	SW846 8260B	
1,2,4-Trichloro-	96	(70 - 130)			SW846 8260B	
benzene						
	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	

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L1HL61AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0E140000-166 L1HL61AD-LCSD

	PERCENT	RECOVERY	RPD			
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD	
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	
		PERCENT	RECOV	TDV		
SURROGATE		RECOVERY	LIMIT			
Dibromofluoromethane		100	(73 -			
DIDI OMOLI GOL OMOCITALIO		96	(73 -			
1,2-Dichloroethane-d4		87	(61 -			
_,		87	(61 -			
Toluene-d8		100	(76 -			
		100	(76 – (76 <i>–</i>			
4-Bromofluorobenzene		97	(74 -			
1 DIOMOTIMOTODEMZEME		94	(74 -	•		
		24	(/4 -	TT0)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
<pre>bis(2-Chloroethoxy) methane</pre>	74	(60 - 110)	CFR136A 625
<pre>bis(2-Chloroethyl)- ether</pre>	76	(63 - 115)	CFR136A 625
<pre>bis(2-Chloroisopropyl) ether</pre>	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-	70	(10 - 138)	CFR136A 625
2-methylphenol			

GC/MS Semivolatiles

Client Lot #...: A0E050439 Work Order #...: L09D81AC Matrix.....: WATER

LCS Lot-Sample#: A0E100000-039

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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)	75	(50 - 134)	CFR136A 625
phthalate			
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-	81	(57 - 110)	CFR136A 625
amine			
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-	62	(42 - 112)	CFR136A 625
benzene			
2,4,6-Trichloro-	77	(54 - 110)	CFR136A 625
phenol			
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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)

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.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	<u>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.

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

PERCENT	RECOVERY	
RECOVERY	<u>LIMITS</u>	METHOD
98	(50 - 114)	CFR136A 608
97	(8.0- 127)	CFR136A 608
	PERCENT	RECOVERY
	RECOVERY 98	RECOVERY LIMITS 98 (50 - 114) 97 (8.0- 127)

 SURROGATE
 RECOVERY
 LIMITS

 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.

TOTAL Metals

Client Lot #:	A0E050439			Matrix	: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Silver	A0E100000- 97	013 Prep Batch # (85 - 115) MCAWW 2 Dilution Factor: 1		05/10-05/11/10	L09C81AQ
Arsenic	92	(85 - 115) MCAWW 2 Dilution Factor: 1	8.00.8	05/10-05/11/10	L09C81AR
Cadmium	94	(85 - 115) MCAWW 2 Dilution Factor: 1	8.00.8	05/10-05/11/10	L09C81AT
Chromium	92	(85 - 115) MCAWW 2	200.8	05/10-05/11/10	L09C81AU
Copper	99	(85 - 115) MCAWW 2 Dilution Factor: 1	8.00.8	05/10-05/11/10	L09C81AV
Nickel	98	(85 - 115) MCAWW 2	8.00.8	05/10-05/11/10	L09C81AW
Lead	87	(85 - 115) MCAWW 2	8.00.8	05/10-05/11/10	L09C81AX
Zinc	104	(85 - 115) MCAWW 2	200.8	05/10-05/11/10	L09C81A0
Beryllium	92	(85 - 115) MCAWW 2	200.8	05/10-05/11/10	L09C81A1
Antimony	91	(85 - 115) MCAWW 2	200.8	05/10-05/11/10	L09C81A2
Selenium	93	(85 - 115) MCAWW 2	200.8	05/10-05/11/10	L09C81A3
Thallium	88	(85 - 115) MCAWW 2	200.8	05/10-05/12/10	L09C81A4
Mercury	89	(85 - 115) MCAWW 2 Dilution Factor: 1	245.1	05/10-05/11/10	L09C81A5

DISSOLVED Metals

Client Lot #: A0E050439				Matrix	: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Nickel	A0E070000- 108	_	tch #: 0127015 SW846 6010B or: 1	05/11-05/12/10	L051K1AF
Chromium	102	(80 - 120) Dilution Facto	SW846 6010B or: 1	05/11-05/12/10	L051K1AG
Lead	108	(80 - 120) Dilution Facto	SW846 6010B	05/11-05/12/10	L051K1AH
Arsenic	104	(80 - 120) Dilution Facto	SW846 6010B	05/11-05/12/10	L051K1AJ
MOTE (C) .					

General Chemistry

Lot-Sample #: A0E05	50439	1	Matrix	: WATER
PERCENT PARAMETER RECOVERY n-Hexane Extractable	RECOVERY RPD LIMITS RPD LIMITS WO#:L1MMG1AC-LCS/L1M	METHOD		BATCH #
Material 99 92	(78 - 114) (78 - 114) 7.6 (0-11)			
,,,	Dilution Factor: 1		03/10/10	0130003
n-Hexane Extractable Material, SGT	WO#:L1MMJ1AC-LCS/L1M	MJ1AD-LCSD LCS Lo	t-Sample#: A0E1	80000-086
84	(64 - 132)	CFR136A 1664A SGT	05/18/10	0138086
85	(64 - 132) 0.59 (0-28)	CFR136A 1664A SGT	05/18/10	0138086
4	Dilution Factor: 1			
Biochemical Oxygen Demand (BOD)	WO#:L09XD1AC-LCS/L09	XD1AD-LCSD LCS Lo	t-Sample#: A0E0	50000-386
97	(85 - 115)	SM18 5210 B	05/05-05/10/10	0125386
88	(85 - 115) 9.5 (0-20) Dilution Factor: 1	SM18 5210 B	05/05-05/10/10	0125386
Total Phenols	WO#:L1TVM1AC-LCS/L17	CVM1AD-LCSD LCS Lo	t-Sample#: A0E2	00000-296
98	(54 - 137)			
95	(54 - 137) 2.8 (0-20)	MCAWW 420.1	05/20/10	0140296
	Dilution Factor: 1			

NOTE(S):

General Chemistry

Client Lot #	: A0E050439	_	Matrix WATER
<u>PARAMETER</u> Cyanide, Total	RECOVERY	RECOVERY LIMITS METHOD Work Order #: L1MDT1AC LCS Log (69 - 118) SW846 9012A Dilution Factor: 1	ot-Sample#: A0E170000-418
Cyanide, Total	93	Work Order #: L1N1V1AC LCS Lo (69 - 118) SW846 9012A Dilution Factor: 1	
Nitrogen, as Am		Work Order #: L1QQQ1AC LCS Lo (85 - 114) SM18 4500NH3-F Dilution Factor: 1	
Total phosphoru		Work Order #: L1N0T1AC LCS Lo (53 - 134) SM18 4500-P E Dilution Factor: 1	-
Total Cyanide	93	Work Order #: L1N2W1AC LCS Lo (69 - 118) SM18 4500-CN E Dilution Factor: 1	
Total Phenols	93	Work Order #: L1Q5R1AC LCS Lo (54 - 137) MCAWW 420.1 Dilution Factor: 1	
Total Phenols	77	Work Order #: L1WG91AC LCS Lo (54 - 137) MCAWW 420.1 Dilution Factor: 1	-
Total Suspended		Work Order #: L1ATL1AC LCS Lo	ot-Sample#: A0E110000-120
204400	93	(73 - 113) SM18 2540 D Dilution Factor: 1	05/11/10 0131120

NOTE(S):

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix.....: WATER

MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
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
z, z bibi omoceilalie	92	(70 - 130)	0.35	(0-30)	SW846 8260B
Isopropylbenzene	89	(70 - 130)	0.55	(0 50)	SW846 8260B
TOOPT OPA TOCITY CITE	87	(70 - 130)	1.9	(0-30)	SW846 8260B
	J ,	(,0 10)	٠.٧	(0 50)	5,,010 02000

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix..... WATER

MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	<u>RPD</u>	RPD LIMITS	METHOD
1,310111111	111100 V 11111		11111	<u> </u>	111111011
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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L06Q51AX-MS Matrix.....: WATER

MS Lot-Sample #: A0E070460-010 L06Q51A0-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	<u>RPD</u>	LIMITS	METHOD
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
		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS _	_
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.

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	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

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix.....: WG

MS Lot-Sample #: A0E050439-023

L019G1AR-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	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
\ <i></i> /	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
		,		/	

GC/MS Volatiles

L019G1AR-MSD

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix..... WG

MS Lot-Sample #: A0E050439-023

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	<u>RPD</u>	LIMITS	METHOD
		/=a			
1,3-Dichlorobenzene	85	(70 - 130)	1 0	(0.00)	SW846 8260B
4 4 7 1 1 1	87	(70 - 130)	1.9	(0-30)	SW846 8260B
1,4-Dichlorobenzene	85	(70 - 130)	2 0	(0.20)	SW846 8260B
1.0 0 1.1	88	(70 - 130)	3.0	(0-30)	SW846 8260B
1,2-Dichlorobenzene	88	(70 - 130)	2 1	(0.20)	SW846 8260B
1 0 7 1 2 1 7	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-	90	(70 - 130)			SW846 8260B
benzene		(======================================			
	90	(70 - 130)	0.27	(0-30)	SW846 8260B
o-Xylene	88	(70 - 130)			SW846 8260B
0 11, 10110	92	(70 - 130)	3.7	(0-30)	SW846 8260B
m-Xylene & p-Xylene	85	(70 - 130)		(,	SW846 8260B
1-2 1. c t. F 1	88	(70 - 130)	3.1	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether		(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
	0.0	(50 130)	1 -	(0.20)	CENTO A C. OO COD

(Continued on next page)

92

(70 - 130) 1.5 (0-30) SW846 8260B

GC/MS Volatiles

Client Lot #...: A0E050439 Work Order #...: L019G1AQ-MS Matrix..... WG

MS Lot-Sample #: A0E050439-023 L019G1AR-MSD

	PERCENT	RECOVERY	DDD	RPD	MERILOD
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
, <u> </u>	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
		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS	
Dibromofluoromethane		102		(73 - 122))
2202 01110 2 2 40 2 0110 0110110		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.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
Aroclor 1016	91	(50 - 114)	CFR136A 608
Aroclor 1260	87	(8.0- 127)	CFR136A 608
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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

TOTAL Metals

Client Lot #...: A0E050439 Matrix....: WATER

Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10

PARAMETER	PERCENT RECOVERY	RECOVERY RPD LIMITS RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sampl Antimony	.e #: A0E08 98 97	30468-004 Prep Batch # (70 - 130) (70 - 130) 0.35 (0-20) Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Arsenic	98 98	(70 - 130) (70 - 130) 0.0 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Beryllium	98 96	(70 - 130) (70 - 130) 1.4 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Cadmium	97 97	(70 - 130) (70 - 130) 0.58 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Chromium	96 97	(70 - 130) (70 - 130) 0.92 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Copper	97 97	(70 - 130) (70 - 130) 0.08 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Lead	95 95	(70 - 130) (70 - 130) 0.26 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Mercury	95 93	(69 - 134) (69 - 134) 2.3 (0-20) Dilution Factor: 1	MCAWW 245.1 MCAWW 245.1	05/10-05/11/10 05/10-05/11/10	
Nickel	99 100	(70 - 130) (70 - 130) 0.69 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Selenium	96 97	(70 - 130) (70 - 130) 0.61 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	

(Continued on next page)

TOTAL Metals

Client Lot #...: A0E050439 Matrix....: WATER

Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10

PARAMETER Silver	PERCENT <u>RECOVERY</u> 98	RECOVERY LIMITS RPD (70 - 130)	RPD <u>LIMITS</u>	METHOD MCAWW 200.8	PREPARATION- ANALYSIS DATE 05/10-05/11/10	WORK ORDER #
SIIVEL	98	(70 - 130) 0.34 Dilution Fac	, ,	MCAWW 200.8	05/10-05/11/10	
Thallium	94 95	(70 - 130) (70 - 130) 0.83 Dilution Fac	, ,	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
Zinc	96 97	(70 - 130) (70 - 130) 0.76 Dilution Fac	, ,	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	

NOTE(S):

DISSOLVED Metals

Date Sampled...: 05/04/10 15:01 Date Received..: 05/05/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS RPD	RPD <u>LIMITS</u>	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sampl	e #: A0E05	0439-023 Prep B	atch #	.: 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 Fac	tor: 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 Fac	tor: 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 Fac	tor: 1			
					0= /// 0= //0 // 0	- 04 0 - 4
Nickel	109	(75 - 125)		SW846 6010B	05/11-05/12/10	
	108	(75 - 125) 1.1		SW846 6010B	05/11-05/12/10	L019G1AK
		Dilution Fac	tor: 1			

NOTE(S):

General Chemistry

Date Sampled...: 05/06/10 14:45 Date Received..: 05/07/10

PERCE	NT RECOVERY	RPD		PREPARATION-	- PREP
PARAMETER RECOV	ERY LIMITS	RPD LIMITS	METHOD	ANALYSIS DAT	<u> PE_BATCH #</u>
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
	Dilut	ion Factor: 1			
Nitrogen, as Ammor	ia 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
	Dilu	ion 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
	Dilu	ion Factor: 1			

MOTE(S).

General Chemistry

Date Sampled...: 05/04/10 15:01 Date Received..: 05/05/10

	PERCENT	RECOVE	ERY		RPD			PREPARATION- PREP
PARAMETER	RECOVERY	LIMITS	5	<u>RPD</u>	LIMITS	METHOD		ANALYSIS DATE BATCH #
Cyanide, Tota	al		WO#:	L019	G1AN-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
			Dilut	ion Fa	ctor: 1			
Total Phenol:	s		WO#:	L019	A1AJ-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
			Dilut	ion Fa	ctor: 1			
Total Phenol	s		WO#:	T ₁ 019	GLAL-MS/	L019G1AM-MSD	MS	Lot-Sample #: A0E050439-023
10001 11101102	~ 70	(10 -			11.0,	MCAWW 420.1		05/21/10 0141226
	67			2.2	(0-41)	MCAWW 420.1		05/21/10 0141226
		•	Dilut	ion Fa	ctor: 1			

NOTE(S):

^{*} Relative percent difference (RPD) is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E050439 Work Order #...: L018L-SMP Matrix.....: WG

L018L-DUP

Date Sampled...: 05/04/10 16:00 Date Received..: 05/05/10

RPD PREP DUPLICATE PREPARATION-ANALYSIS DATE BATCH # RESULT UNITS RPD LIMIT METHOD PARAM RESULT SD Lot-Sample #: A0E050439-018 Total Suspended Solids (0-20) SM18 2540 D 05/11/10 0131120 ND mg/L 200 ND

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E050439 Work Order #...: L04GJ-SMP Matrix.....: WATER

L04GJ-DUP

Date Sampled...: 05/05/10 08:00 Date Received..: 05/06/10

RPD PREPARATION-PREP DUPLICATE RESULT UNITS RPD LIMIT METHOD ANALYSIS DATE BATCH # PARAM RESULT SD Lot-Sample #: A0E060462-002 Total Suspended Solids (0-20) SM18 2540 D 05/11/10 13 mg/L 59 0131123 24

Dilution Factor: 1

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



Relinquished by: Relinquished Relinquished by Special Instructions/QC Requirements & Comments: Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ossible Hazard Identification

I Flammable Site: South Bend (231) 922-9055 231) 922-9050 0 #: 5133286 roject Name: Honeywell South Bend - 3310090039.6100.1 City/State/Zip: Traverse City, Michigan 49686 Address: 41 Hughes Drive Company: MACTEC Engineering and Consulting, Inc. 575 05 10 520 05 10 SZ105 10 526 05 10 2D 05 10 S27 05 10 824 SYA 25/2 S28 05 10 Sample Identification 05/0 05 10 Client Contact 05 10 05 10 05 10 ξX Phone Skin Irritant MACTEL Company: Company: 5-4-10/437 5-4-10 1445 GRAB 755 5-4-10 1700 5-4-10 1100 5-4-10/015 5-3-10 2045 GRAB 5-3-10/845 GRAB 5-3-10 1757 5-3-10 1710 5-3-101630 5-3-10 1545 5-3-10 Project Manager: Steve Murray Tel/Fax: (231) 922-9050 Poison B Calendar (C) or Work Days (W) TAT if different from Below Sample Analysis Turnaround Time 1440 Metri GRAB GRAZ GRAIS GRAB GRAS 1 week GRAB 2 days 2 weeks GRAR GRAB 83 1 day Sample D'A Date/Time: Haco 8 1170 12C 120 Noo 1170 H20 120 W20 S) 9 9 D # of 6 J 9 F3 71 Site Contact: James Staley Received by: Received by: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Rothive For Month 7/2 .. س Ŵ w w VOCs - 8260 B Dissolved Metals (As, Cr, Pb, Ni) - 6020 T. Phenols - 420.1 T. Cyanide - 9012 A Disposal By Lab Date: 5-4-10 Carrier: F67 Company Company M Date/Time: Date/Time: Date/Time: SDG No. Jab No. TestAmerica Laboratories, Inc. COC No: Sample Specific Notes: Months 175 of|18⁻

North Canton
4101 Shuffel Street, N.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



Client Contact Company: MACTEC Engineering and Consulting, Inc. Address: 41 Hughes Drive City/State/7in: Tracess Co.	Project Manager: Steve Muirray Tel/Fax: (231) 922-9050 Analysis Turnaround Time	Site Contact: James Staley Lab Contact: Mark Loeb	Date: 5-4-10 Carrier: FGD &X	TestAmerica Laboratories, Inc. COC No: 2 of 4 COCs
(231) 922-9050 Phone (231) 922-9055 FAX Project Name: Honeywell South Bend - 3310090039.6100.1 Site: South Bend P O #: 5133286.	Calendar (C) or Work Days (W) TAT if different from Below 2 weeks week 2 days	ıls (As, Cr, Pb, Ni) - 602 0.1		SDG No.
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enter the second state of	Company: Date/Time:	Received by:	Company:	Date/Time:

North Canton
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North Canton, OH 44720
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Chain of Custody Record



TestAmerica Laboratories, Inc.

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Relinquished by:	resinguished by.	Relinquished by:	Diss.	Irritant	Possible Hazard Identification	Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other					MW-100 05 10	DY 05 10 MS/MSD	10	10	D7 05 ID	Sample Identification	P O #. 5133286	Site: South Bend	oneywell South Ber	(231) 922-9055 FAX ·	(231) 922-9050 Phone	City/State/Zip: Traverse City, Michigan 49686	Address: 41 Hughes Drive	Company: MACTEC Engineering and Consulting, Inc.	Client Contact
Company:	Company:	Company:	metals Sield	Poison B U		OH; 6= Other					5/4/10 6	5/4/10 (S:01 GI	5/4/10 15:01 6	54/10 12:35 G		Sample Sample Sa	1 day	2 days	1 week	2 weeks	TAT if different from Below	Calendar (C) or Work Days (W)	Analysis Turnaround Time	Tel/Fax: (231) 922-9050	Project Manager: Steve Murray
Date/Time:	Date/Time:	Date Time: 20. Received by:	Eld 1.1	Unknown 🗀							GRAB MO 6 X		GRAB HO 6 X	120	3	Sample # of E	·		*	eks .	Below)ays (W)			
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Company:	Company:	Company:		Disposal By Lab . Larichive For	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			Carrier: FED EX	Date: 5-4-10
Date/Time:	Date/Time:	Date/Time:		For Months	longer than 1 month)						_					Sample Specific Notes:				SDG No.			H	4 of 4/ COCs	COC No:

	Receipt Form/Narrative	Lot N	lumber:	AOT 05	0439
North Canton Facilit		- 11 1 1	<u> </u>		
Client Martec		South bend	_ By:	(Signatur	200
Cooler Received on	5-5-10 Opened	on		(Signatu	E
FedEx LAL UPS LI DHLI	☐ FAS ☐ Stetson ☐ Clien	Drop On LitestAmence	ouner L	Other	
TestAmerica Cooler#	Multiple Coolers	Foam Box L Clien	t Cooler [_	Other	1 A [7]
	the outside of the cooler(s)?		P Yes Æ	No 🗆 V	IA 🗌
If YES, Quantity		Unsalvageable			
	n the outside of cooler(s) signs	ed and dated?	Yes ≰		IA 🗌
Were custody seals or	` ·		Yes _	No 📈	
If YES, are there any	exceptions?				
2. Shippers' packing slip	attached to the cooler(s)?		Yes 🛛	No □	. #
	company the sample(s)? Yes		elinquished	by client?	res Ø No □
	ers signed in the appropriate p		Yes 🔼	No 🔲	
	l: Bubble Wrap 🔀 Foam				
	on receipt°C	See back of form for mul	tiple coole	rs/temps∠±	•
METHOD: IF					
	e 🗹 Blueice 🗌 Dryic	e 🔲 Water 🔲 None			
	good condition (Unbroken)?	·	Yes 左	h No □	
8. Could all bottle labels	be reconciled with the COC?		Yes 🗹		
Were sample(s) at the	correct pH upon receipt?		Yes.∠	No 🔲 N	IA 🗌
10. Were correct bottle(s)	used for the test(s) indicated?	•	Yes 💆	No 🗀	
11. Were air bubbles >6 n	nm in any VOA vials?		Yes 🗀	I No ☑ N	IA 🗌
12. Sufficient quantity rec	eived to perform indicated and	ilyses?	Yes 左	No 🗌	
13. Was a trip blank prese	ent in the cooler(s)? Yes 🔟	No Were VOAs on	the COC?	Yes / N	lo 🔲
Contacted PM			a Verbal 🗌] Voice Mail	Other
Concerning					
Concerning					
14 CHAIN OF CUSTOD	Y The second sec				
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END OF REPORT



North Canton 4101 Shuffel Street, N. W.
North Canton, OH. 44720
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Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

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TestAmerica Laboratories, Inc.		3 of 4 COCs	Job No.	,		SDG No.				Samule Specific Notes:				-								- : :		iger than 1 month) Months		Date/Time:	Date/Time:	Date/Time:
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	Project Manager: Steve Murray Si		Analysis Turnaround Time	Calendar (C) or Work Days (W)	TAT if different from Below	2 weeks	1 week	2 days	1 day	Sample Sample Sample # of 1	COMPOSTI	S-4/0 1600 GENE NZO 1/	5-4-10 1710 CONTROSTIGE Nº20 17 NO	5-4-10 1800 composition 17 N									(OH; 6= Other	Poison B		 Company: Date/Time:	npany.	Company: Date/Time:
phone 330.497.9396 fax 330.497.0772	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		S	EW-3 05 10	6111-1 05 10	0						COMPOSITE = C GRAB=G	<u> </u>		Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	Possible Hazard Identification	& Comme	Relinquished by	Rodfaquished by:	Relinquished by:



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310090039.6100.1

SOUTH BEND

Lot #: A0E080468

Steven Murray

Macted Engineering & Consultan 41 Hughes Drive Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

Mark J. Loeb Project Manager

mark.loeb@testamericainc.com

May 20, 2010

100520 TOMANDE POUS NELECTE

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 included in a separate report.

OUALITY 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.

OC 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
	·	Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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

A0E080468

PARAMETER	RESULT	REPORTIN LIMIT	G <u>UNITS</u>	ANALYTICAL METHOD
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	uq/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

A0E080468

PARAMETER		ANALYTICAL METHOD
	s N by ISE rals and Acids	SM18 4500NH3-F CFR136A 625
	Spectrometry ICP-Mass Spectrometry	MCAWW 200.8
	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
Organochl	orine Pesticides and PCBs	CFR136A 608
Purgeable	es	CFR136A 624
Total cya		SM18 4500-CN E
Total pho		SM18 4500-P E
Total Suspended Solids		SM18 2540 D
Reference	es:	
CFR136A	"Methods for Organic Chemical Analysis of Industrial Wastewater", 40CFR, Part 136, October 26, 1984 and subsequent revision	Appendix A,
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 Wastewater", 18th Edition, 1992.	E Water and

SAMPLE SUMMARY

A0E080468

WO # SAMPLE# CLIENT SAMPLE	E ID	SAMPLED DATE	SAMP TIME
L08RR 003 EW-5 05 10 (CL08RT 004 EW-4 05 10 (CL	GRAB) GRAB) COMP) COMP)	05/07/10 05/07/10 05/07/10 05/07/10 05/07/10	10:05 12:05 10:05

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.

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		
		REPORTING		
PARAMETER	RESULT	LIMIT	<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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	-	
1,2-Dichloroethane-d4	113	(80 - 125)		
Toluene-d8	100	(84 - 110)		
Bromofluorobenzene	86	(81 - 112)		

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

		REPORTIN	1G
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{L}
Trichloroethene	8.1	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
	PERCENT	RECOVER	Y
SURROGATE	RECOVERY	LIMITS	
1,2-Dichloroethane-d4	114	(80 - 12	
Toluene-d8	102	(84 - 13	•
Bromofluorobenzene	85	(81 - 13	12)

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

		REPORTIN	G
PARAMETER	RESULT	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	ND	10	ug/L
ether			
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane			
bis(2-Chloroethy1)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			
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)

Client Sample ID: EW-4 05 10 (GRAB)

GC/MS Semivolatiles

		DEDORMIN	C	
ני א די א אתדיתודיים	ספכווו ת	REPORTIN LIMIT	UNITS	
<u>PARAMETER</u> 2,4-Dinitrotoluene	RESULT ND	<u> </u>	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)	ND	10	ug/L	
phthalate	לדואז	10	ug/ ii	
Fluoranthene	ND	10	ug/L	
Fluorene	ND	10	ug/L	
Hexachlorobenzene	ND	10	ug/L	
Hexachlorobutadiene	ND	10	ug/L	
Hexachlorocyclopenta-	ND	10	ug/L	
diene	140	10	49/1	
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-	ND	10	ug/L	
amine				
Pentachlorophenol	ND	10	ug/L	
Phenanthrene	ND	10	ug/L	
Phenol	ND	10	ug/L	
Pyrene	ND	10	ug/L	
1,2,4-Trichloro-	ND	10	ug/L	
benzene				
2,4,6-Trichloro-	ND	10	ug/L	
phenol				
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	48	(10 - 135)		
Phenol-d5	54	(10 - 13	2)	
2,4,6-Tribromophenol	63	(10 - 14	2)	
2-Fluorobiphenyl	48	(38 - 11		
Terphenyl-d14	70	(24 - 13		
Nitrobenzene-d5	52	(44 - 11		

Client Sample ID: EW-4 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E080	468-002 Work Order	#: L08RP1AA	Matrix WG
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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

		REPORTIN	IG
PARAMETER	RESULT	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	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	88	(15 - 13	1)
Decachlorobiphenyl	32	(10 - 11	4)

Client Sample ID: EW-4 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E080468-002	Work Order #: L08RP1AC	Matrix WG
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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

Dilution Factor: 1	Method	.: CFR136A 608		
		REPORTING		
PARAMETER	RESULT	LIMIT	<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	
	PERCENT	RECOVERY	•	
SURROGATE ·	RECOVERY	LIMITS		
Tetrachloro-m-xylene	78	(10 - 151)	- !	
Decachlorobiphenyl	29	(10 - 151)		
		(10 101)		

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

					PREPARATION-	PREP
PARAMETER	RESULT	<u>RL</u>	<u>UNITS</u>	METHOD	ANALYSIS DATE	BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
	Dilu	tion Facto	r: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
	Dilu	tion Facto	r: 1			
Total Cyanide	ND Dilu	0.010 tion Facto	mg/L er: 1	SM18 4500-CN E	05/18/10	0138359

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	CFR136A 624		
		REPORTIN			
PARAMETER	RESULT	LIMIT	<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		
	PERCENT	RECOVERY	•		
SURROGATE	<u>RECOVERY</u>	LIMITS			
1,2-Dichloroethane-d4	97	(80 - 12			
Toluene-d8	104	(84 - 11			
Bromofluorobenzene	92	(81 - 11	.2)		

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

DARAMETER			REPORTING	
o-Cresol ND 10 ug/L m-Cresol ND 10 ug/L p-Cresol ND 10 ug/L p-Cresol ND 10 ug/L Acenaphthene ND 10 ug/L Acenaphthylene ND 10 ug/L Acenaphthylene ND 10 ug/L Benzidine ND 10 ug/L Benzidine ND 10 ug/L Benzo (a) anthracene ND 10 ug/L Benzo (b) fluoranthene ND 10 ug/L Benzo (b) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L Benzo (k) fluoranthene ND 10 ug/L bis (2-Chlorothoxy) ND 10 ug/L ether bis (2-Chloroethyl) ND 10 ug/L ether bis (2-Chloroethyl) ND 10 ug/L ether bis (2-Chloronaphthalene ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenol ND 10 ug/L bibenz (a, h) anthracene ND 10 ug/L cther Chrysene ND 10 ug/L 1, 2-Dichlorobenzene ND 10 ug/L 1, 3-Dichlorobenzene ND 10 ug/L 1, 3-Dichlorobenzene ND 10 ug/L 2, 4-Dichlorobenzene ND 10 ug/L 3, 3'-Dichlorobenzene ND 10 ug/L 1, 4-Dichlorobenzene ND 10 ug/L	DADAMETED	RESIILT		INTTS
m-Cresol ND				
D				
Acenaphthene ND 10 ug/L Acenaphthylene 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(b) fluoranthene ND 10 ug/L Benzo(b) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(c) fluoranthene ND 10 ug/L Benzo(c) fluoranthene ND 10 ug/L Benzo(c) fluoranthene ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L ether Bis(2-Chloroethoxy) ND 10 ug/L ether bis(2-Chloroethyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenol ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L Dibenz(a,h)anthracene 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 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dichlorobenzidine ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate 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(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L d-Bromophenyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L methane bis(2-Chloroethoxy) ND 10 ug/L ether bis(2-Chloroethoxy) ND 10 ug/L ether p-Chloronaphthalene ND 10 ug/L ether p-Chloromaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenol ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L 1,2-Dichlorobenzene 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 2,4-Dichlorophenol ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L				
Anthracene ND 10 ug/L Benzidine ND 100 ug/L Benzo(a) anthracene ND 100 ug/L Benzo(a) pyrene ND 10 ug/L Benzo(b) fluoranthene ND 10 ug/L Benzo(b) fluoranthene ND 10 ug/L Benzo(b) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L benzyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl)- ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L Din-butyl phthalate 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 1,3-Dichlorobenzene ND 10 ug/L 3,3'-Dichlorobenzene ND 10 ug/L 3,3'-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dichlorobenzene ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	_			-
Benzidine	- -			=
Benzo(a) anthracene				-
Benzo(a) pyrene				
Benzo(b) fluoranthene				
Benzo (ghi) perylene				_
Benzo(k) fluoranthene	• •			-
### A-Bromophenyl phenyl ether Butyl benzyl phthalate ND 10 ug/L				_
### Butyl benzyl phthalate	• •			
Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L ether """"""""""""""""""""""""""""""""""""			•	J .
bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L bis(2-Chloroethyl) - ether ND 10 ug/L bis(2-Chloroisopropyl) ND 10 ug/L ether		ND	10	ug/L
methane bis(2-Chloroethyl) - ND 10 ug/L ether		ND	10	ug/L
bis(2-chloroethyl) - ND 10 ug/L ether ND 10 ug/L ether ND 10 ug/L p-Chloro-m-cresol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether ND 10 ug/L Chrysene ND 10 ug/L Dibenz(a,h)anthracene 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-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol ND 10 ug/L Diethyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 <td< td=""><td>- '</td><td></td><td></td><td>_</td></td<>	- '			_
ether bis(2-Chloroisopropyl) ND 10 ug/L ether "Ug/L 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 ND 10 ug/L ether "Ug/L ug/L 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 2,6-Dinitro-o-cresol ND 50 ug/L		ND	10	ug/L
ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L 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	-			_
ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenyl phenyl ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L 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 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	bis(2-Chloroisopropyl)	ND	10	ug/L
2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 2,4-Dichlorobenzidine ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L				
2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dichlorobenzidine 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 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	p-Chloro-m-cresol	ND	10	ug/L
2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 2,4-Dichlorobenzidine ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	-	ND	10	ug/L
4-Chlorophenyl phenyl ND 10 ug/L ether 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 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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	-	ND	10	ug/L
ether 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 2,4-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 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	-	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 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	ether			
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 2,4-Dimethylphenol ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	Chrysene	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 2,4-Dimethylphenol ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	_	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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L		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 Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L	1,2-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	1,3-Dichlorobenzene	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	1,4-Dichlorobenzene	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	3,3'-Dichlorobenzidine	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-Dichlorophenol	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		ND	10	ug/L
Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L		ND	10	ug/L
4,6-Dinitro-o-cresol ND 50 ug/L		ND	10	ug/L
2,4-Dinitrophenol ND 50 ug/L		ND	50	ug/L
	2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

Client Sample ID: EW-5 05 10 (GRAB)

GC/MS Semivolatiles

Lot-Sample #:	A0E080468-003	Work Order #.	- LOSER1AE	Matrix	· MG

		DEDODMING	
DADAMERED	RESULT	REPORTII LIMIT	IG <u>UNITS</u>
PARAMETER 2,4-Dinitrotoluene	ND	<u> </u>	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)	ND	10	ug/L
phthalate		_3	~5 <i>,</i> =
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene			-
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-	ND	10	ug/L
amine			
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-	ND	10	ug/L
benzene			
2,4,6-Trichloro-	ND	10	ug/L
phenol			
			_
	PERCENT	RECOVERS	Z.
SURROGATE	RECOVERY	LIMITS	
2-Fluorophenol	54	(10 - 135)	
Phenol-d5	54	(10 - 132)	
2,4,6-Tribromophenol	55	(10 - 14	
2-Fluorobiphenyl	48	(38 - 13	
Terphenyl-d14	82	(24 - 13	
Nitrobenzene-d5	56	(44 - 12	LU)

Client Sample ID: EW-5 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #:	A0E080468-003	Work Order #: LO8RR1AA	Matrix	: WG
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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		
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	
SURROGATE	RECOVERY	LIMITS	_
Tetrachloro-m-xylene	83	(15 - 131)	
Decachlorobiphenyl	61	(10 - 114)	

Client Sample ID: EW-5 05 10 (GRAB)

GC Semivolatiles

Lot-Sample #: A0E080468-003 Work Order #: L08RR1AC Matrix	Tot-Sample #:	A0E080468-003	Work Order #	: L08RR1AC	Matrix	: WG
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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

Decachlorobiphenyl

61

Dilution Factor: 1	Method: CFR136A 608			
		REPORTIN	ī G	
PARAMETER	RESULT	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	76	(10 - 15	1)	
~				

(10 - 151)

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	05/18/10	0138085
	Dilu	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	05/18/10	0138086
	Dilu	tion Facto	or: 1			
Total Cyanide	ND Dilu	0.010	mg/L or: 1	SM18 4500-CN E	05/18/10	0138359

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

		REPORTING	3			PREPARATION-	WORK	
PARAMETER	RESULT	LIMIT	UNITS	METHO:	D	ANALYSIS DATE	ORDER #	
	0420042							
Prep Batch # Silver	ND	1.0	ug/L	MC 7\ TATTAT	200.8	05/10-05/11/10	ተ.በደውጣ1 አ አ	
STIVET	IND	Dilution Fact		LICWAAA	200.0	03/10-03/11/10	HOURTIAA	
		DIIICIOII I GCC	01. I					
Arsenic	ND	5.0	ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AC	
		Dilution Fact	or: 1					
Beryllium	ND	1.0	J .	MCAWW	200.8	05/10-05/11/10	L08RT1AK	
		Dilution Fact	or: 1					
Cadmium	ND	1.0	ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AD	
	112	Dilution Fact	٥.		20010	00,20 00,22,20	200311111	
Chromium	ND	2.0	ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AE	
		Dilution Fact	or: 1					
G	23.4	2.0	/T	36/13 L.W.7	200.8	05/10-05/11/10	T 0.00m1 3 13	
Copper	23.4	2.0 Dilution Fact	ug/L	MCAWW	200.8	05/10-05/11/10	LUSKITAF	
		Dilucion Face	OI: I					
Mercury	ND	0.20	ug/L	MCAWW	245.1	05/10-05/11/10	L08RT1AP	
_		Dilution Fact	or: 1					
Nickel	ND .		ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AG	
		Dilution Fact	or: 1					
Lead	3.0	1.0	uq/L	MC A Tallet	200.8	05/10-05/11/10	T.በደውጥ1 ልዝ	
heau	3.0	Dilution Fact	_	THUTTHERE	200.0	05/10 05/11/10	HOOKILAH	
		D22402011 1400	- L					
Antimony	ND	2.0	ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AL	
		Dilution Fact	or: 1					
Selenium	ND		ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AM	
		Dilution Fact	or: 1					
Thallium	ND	1.0	ug/L	Μα Διαπα	200.8	05/10-05/11/10	T.08RT1AN	
au	-112	Dilution Fact	J .			13,20 33,11,10		
Zinc	48.0	10.0	ug/L	MCAWW	200.8	05/10-05/11/10	L08RT1AJ	
		Dilution Fact	or: 1					

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia		0.2 tion Facto	mg/L or: 1	SM18 4500NH3-F	05/18/10	0138248
Total phosphorus	ND Dilu	0.10	mg/L or: 1	SM18 4500-P E	05/14/10	0134419
Total Suspended Solids	8.0	4.0	mg/L	SM18 2540 D	05/12/10	0132096

Dilution Factor: 1

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

		REPORTIN	IG		PREPARATION-	WORK
PARAMETER	RESULT	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	ANALYSIS DATE	ORDER #
1 "	0120012					
Prep Batch # Silver	.: 0130013 . ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	T.N8R21AA
DIIVEL	ND	Dilution Fac	-	renww 200.0	03/10 03/11/10	E O O I (Z Z Z Z Z Z
Arsenic	ND		ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AC
		Dilution Fac	tor: 1			
Beryllium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	T.08R21AK
Deryrram	ND	Dilution Fac		11011000 200.0	03/10 03/11/10	Loonzin
Cadmium	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AD
		Dilution Fac	ctor: 1			
Chromium	ND	2.0	ug/L	MCAWW 200.8	05/10-05/11/10	1.08R21AE
	112	Dilution Fac			00, 20 00, 22, 20	
Copper	5.1	2.0	_	MCAWW 200.8	05/10-05/11/10	L08R21AF
		Dilution Fac	tor: 1			
Mercury	ND	0.20	ua/L	MCAWW 245.1	05/10-05/11/10	L08R21AP
1101 0 011 1		Dilution Fac	-		,	
Nickel	ND	2.0	-	MCAWW 200.8	05/10-05/11/10	L08R21AG
	·	Dilution Fac	ctor: 1			
Lead	ND	1.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AH
		Dilution Fac	tor: 1			
Antimony	ND		ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AL
		Dilution Fac	ctor: 1			
Selenium	ND	5.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AM
		Dilution Fac	ctor: 1			
					05 44 0 05 444 44 0	- 00-01
Thallium	ND		ug/L	MCAWW 200.8	05/10-05/11/10	LU8R21AN
		Dilution Fac	cor: 1			
Zinc	ND	10.0	ug/L	MCAWW 200.8	05/10-05/11/10	L08R21AJ
		Dilution Fac	ctor: 1			

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia		0.2 ution Facto	mg/L or: 1	SM18 4500NH3-F	05/18/10	0138248
Total phosphorus	ND Dil	0.10	mg/L or: 1	SM18 4500-P E	05/14/10	0134419
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	05/12/10	0132096

Dilution Factor: 1



QUALITY CONTROL SECTION

GC/MS Volatiles

Client Lot #...: A0E080468 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

		REPORTING	;	
PARAMETER	RESULT	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	<u> </u>	
1,2-Dichloroethane-d4	106	(80 - 125		
Toluene-d8	102	(84 - 110		
Bromofluorobenzene	88	(81 - 112	2)	

NOTE(S):

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1JP31AA Matrix.....: WATER

MB Lot-Sample #: A0E140000-386

Prep Date....: 05/13/10

Analysis Date..: 05/13/10 Prep Batch #...: 0134386

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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	${\tt ug/L}$	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
1,2-Dichloroethane-d4	103	(80 - 125	5)	
Toluene-d8	105	(84 - 110		
Bromofluorobenzene	89	(81 - 112	2)	

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L09D81AA Matrix.....: WATER

MB Lot-Sample #: A0E100000-039

Prep Date....: 05/10/10

Analysis Date..: 05/17/10 Prep Batch #...: 0130039

Dilution Factor: 1

PARAMETER			REPORTI	viG	
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 10 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 (k) fluoranthene ND 10 ug/L CFR136A 625 Benzo (k) fluoranthene ND 10 ug/L CFR136A 625 Benzo (k) fluoranthene ND 10 ug/L CFR136A 625 Benzo (k) fluoranthene ND 10 ug/L CFR136A 625 Benzo (k) fluora	PARAMETER	RESULT	LIMIT	UNITS	METHOD
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 Anthracene 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(b) fluoranthene ND 10 ug/L CFR136A 625 Benzo(k) fluoranthene ND 10 ug/L CFR136A 625 Benzo(h) flu		ND	10	ug/L	CFR136A 625
Decresor ND	m-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) apyrene ND 10 ug/L CFR136A 625 Benzo(b) fluoranthene ND 10 ug/L CFR136A 625 Benzo(gh) perylene ND 10 ug/L CFR136A 625 benzo(k) fluoranthene ND 10 ug/L CFR136A 625 bether Butyl benzyl phthalate ND 10 ug/L CFR136		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 100 ug/L CFR136A 625 Benzo(a) pyrene 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	
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(b) fluoranthene ND 10 ug/L CFR136A 625 Benzo(k) fluoranthene ND 10 ug/L CFR136A 625 Benzo(Acenaphthylene	ND	10	ug/L	CFR136A 625
Benzo(a) anthracene	-	ND	10	ug/L	CFR136A 625
Benzo (a) pyrene	Benzidine	ND	100	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 ND 10 ug/L CFR136A 625 ether Ug/L CFR136A 625 CFR136A 625 bis(2-Chloroethoxy) ND 10 ug/L CFR136A 625 methane ND 10 ug/L CFR136A 625 ether ND 10 ug/L CFR136A 625 2-Chloropanthalene ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 2-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 2-Chlorophenyl phenyl ND 1	Benzo(a)anthracene	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 ND 10 ug/L CFR136A 625 ether Butyl benzyl phthalate ND 10 ug/L CFR136A 625 bis(2-Chloroethoxy) ND 10 ug/L CFR136A 625 methane ND 10 ug/L CFR136A 625 ether ND 10 ug/L CFR136A 625 ether ND 10 ug/L CFR136A 625 ether ND 10 ug/L CFR136A 625 2-Chloron-m-cresol ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 4-Chlorophenol ND 10 ug/L CFR136A 625 Chrysene ND 10 ug/L CFR136A 625 Dibenz(a, h) anthra	Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(k) fluoranthene	Benzo(b) fluoranthene	ND	10	ug/L	CFR136A 625
### A-Bromophenyl phenyl ether Butyl benzyl phthalate	Benzo(ghi)perylene	ND .	10	ug/L	CFR136A 625
## Buty1 benzy1 phthalate	Benzo(k) fluoranthene	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate ND 10	4-Bromophenyl phenyl	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) ND 10 ug/L CFR136A 625 methane bis(2-Chloroethyl) - ND 10 ug/L CFR136A 625 ether bis(2-Chloroisopropyl) ND 10 ug/L CFR136A 625 ether r r r r p-Chloro-m-cresol ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 Dibenz(a,h) anthracene ND 10 ug/L CFR136A 625 Dibutyl phthalate ND 10 ug/L CFR136A 625 1,2-Dichlorobenzene ND 10 ug/L CFR136A 625 1,4-Dichlorobenzene ND 10 ug/L	ether				
methane bis(2-Chloroethyl) - ND 10 ug/L CFR136A 625 ether bis(2-Chloroisopropyl) ND 10 ug/L CFR136A 625 bis(2-Chloroisopropyl) ND 10 ug/L CFR136A 625 ether 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 ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 ether ND 10 ug/L CFR136A 625 Chrysene ND 10 ug/L CFR136A 625 Di-n-butyl phthalate ND 10 ug/L CFR136A 625 Di-n-butyl phthalate ND 10 ug/L CFR136A 625 1,3-Dichlorobenzene ND 10 ug/L CFR136A 625 1,4-Dichlorobenzene ND 10<	Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl) - ether ND 10 ug/L CFR136A 625 ether bis(2-Chloroisopropyl) ether ND 10 ug/L CFR136A 625 ether cether vg/L CFR136A 625 p-Chloron-m-cresol ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 2-Chlorophenol ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl 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 Di-n-butyl phthalate ND 10 ug/L CFR136A 625 1,3-Dichlorobenzene ND 10 ug/L CFR136A 625 1,4-Dichlorobenzene ND 10 ug/L CFR136A 625 2,4-Dichlorobenzidine ND 10 ug/L CFR	bis(2-Chloroethoxy)	ND	10	ug/L	CFR136A 625
## bis (2-Chloroisopropyl)	methane				
bis(2-Chloroisopropyl) ND 10 ug/L CFR136A 625 ether 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 ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 ether 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-Dichlorobenzidine ND 10 ug/L CFR136A 625 2,4-Dichlorophenol ND 10 ug/L CFR136A 625 Diethyl phthalate ND 10 <t< td=""><td>bis(2-Chloroethyl)-</td><td>ND</td><td>10</td><td>ug/L</td><td>CFR136A 625</td></t<>	bis(2-Chloroethyl)-	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 ND 10 ug/L CFR136A 625 ether 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 1,4-Dichlorobenzene ND 10 ug/L CFR136A 625 2,4-Dichlorophenol ND 10 ug/L CFR136A 625 2,4-Dichlorophenol ND 10 ug/L CFR136A 625 2,4-Dimethyl phthalate ND 10 ug/L CFR136A 625 2,4-Dimethylphenol ND 10 ug/L CFR136A 625 Dimethyl phthalate ND 10 ug/L CFR136A 625 2,4-Dimethylphenol ND 10 ug/L CFR136A 625 2,4-Dinitro-o-cresol ND 50 ug/L CFR136A 625 4,6-Dinitro-o-cresol ND 50 ug/L CFR136A 625 2,4-Dinitrophenol ND 50 ug/L CFR136A 625	ether				
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 ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 ether C Ug/L CFR136A 625 CFR136A 625 Dibenz(a, h) anthracene 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 1,4-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 </td <td>bis(2-Chloroisopropyl)</td> <td>ND</td> <td>10</td> <td>ug/L</td> <td>CFR136A 625</td>	bis(2-Chloroisopropyl)	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 ND 10 ug/L CFR136A 625 ether 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 1,4-Dichlorobenzene ND 10 ug/L CFR136A 625 2,4-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 2,4-Dimethylphenol ND 10 ug/L CFR136A 625 Dimethyl phthalate ND 10 ug/L CFR136A 625 2,4-Dinitro-o-cresol ND 50 ug/L CFR136A 625 2,4-Dinitrophenol ND 50 ug/L CFR136A 625 2,4-Dinitrophenol ND 50 ug/L CFR136A 625	ether				
2-Chlorophenol ND 10 ug/L CFR136A 625 4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 ether 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 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 2,4-Dinitro-o-cresol 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	p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ND 10 ug/L CFR136A 625 ether 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 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 Dimethyl phthalate ND 10 ug/L CFR136A 625 2,4-Dinitro-o-cresol ND 50 ug/L CFR136A 625 2,4-Dinitrophenol ND 50 ug/L CFR136A 625 2,4-Dinitrophenol ND 50 ug/L CFR136A 625	2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
ether 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-Dimethyl phthalate 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-Chlorophenol	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 1,4-Dichlorobenzene ND 10 ug/L CFR136A 625 1,4-Dichlorobenzidine ND 10 ug/L CFR136A 625 2,4-Dichlorophenol ND 10 ug/L CFR136A 625 Diethyl phthalate ND 10 ug/L CFR136A 625 Dimethyl phthalate 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	4-Chlorophenyl phenyl	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-Dimethyl phenol 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	ether				
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-Dimethyl phenol 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	Chrysene	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 4,6-Dinitro-o-cresol ND 50 ug/L CFR136A 625 2,4-Dinitrophenol ND 50 ug/L CFR136A 625	Dibenz(a,h)anthracene	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	Di-n-butyl phthalate	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	1,2-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	1,3-Dichlorobenzene	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	1,4-Dichlorobenzene	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	3,3'-Dichlorobenzidine	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-Dichlorophenol	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	Diethyl 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-Dimethylphenol	ND	10	ug/L	CFR136A 625
2,4-Dinitrophenol ND 50 ug/L CFR136A 625	Dimethyl phthalate	ND	10	ug/L	CFR136A 625
	4,6-Dinitro-o-cresol	ND	50	ug/L	CFR136A 625
2 / Dinitrotolyono ND 10 ya/r CED1267 625	2,4-Dinitrophenol	ND	50	ug/L	CFR136A 625
5'4-DIMICIOCOINGUE MD IO MG/D CEKTOON 052	2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene ND 10 ug/L CFR136A 625	2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

(Continued on next page)

GC/MS Semivolatiles

Client Lot #: A0E080468	Work Order	#: L09D8	1AA I	Matrix: WATER		
		REPORTI	NG			
PARAMETER	RESULT	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)	NĎ	10	ug/L	CFR136A 625		
phthalate						
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-	ND	10	ug/L	CFR136A 625		
diene						
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	\mathtt{ug}/\mathtt{L}	CFR136A 625		
N-Nitrosodi-n-propyl-	ND	10	ug/L	CFR136A 625		
amine			1			
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-	ND	10	ug/L	CFR136A 625		
benzene						
2,4,6-Trichloro-	ND	10	ug/L	CFR136A 625		
phenol						
	PERCENT	RECOVER	У			
SURROGATE	RECOVERY	LIMITS				
2-Fluorophenol	67	(10 - 1				
Phenol-d5	66	(10 - 1)				
2,4,6-Tribromophenol	66	(10 - 1				
2-Fluorobiphenyl	59	(38 - 1	•			
Terphenyl-d14	78	(24 - 1	35)			
Nitrobenzene-d5	68	(44 - 1)	10)			

NOTE(S):

GC Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L1ANJ1AA Matrix......: WATER

MB Lot-Sample #: A0E110000-044

Prep Date....: 05/11/10

Analysis Date..: 05/13/10 Prep Batch #...: 0131044

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	79	(10 - 151	.)	
Decachlorobiphenyl	77	(10 - 151	•	

NOTE(S):

GC Semivolatiles

Client Lot #...: A0E080468 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

		REPORTI	NG	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	${\tt ug/L}$	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
	PERCENT	RECOVER.	Y	
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	88	(15 - 1	31)	
Decachlorobiphenyl	85	(10 - 1)	14)	

NOTE(S):

TOTAL Metals

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD)	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample # Antimony	: A0E100000- ND	013 Prep Ba 2.0 Dilution Factor	ug/L)130013 MCAWW	200.8	05/10-05/11/10	L09C81AL
Arsenic	ND	5.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AC
Beryllium	ND	1.0 Dilution Factor	_	MCAWW	200.8	05/10-05/11/10	L09C81AK
Cadmium	ND	1.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AD
Chromium	ND	2.0 Dilution Facto		MCAWW	200.8	05/10-05/11/10	L09C81AE
Copper	ND	2.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AF
Lead	ND	1.0 Dilution Facto		MCAWW	200.8	05/10-05/11/10	L09C81AH
Mercury	ND	0.20 Dilution Facto	5 .	MCAWW	245.1	05/10-05/11/10	L09C81AP
Nickel	ND	2.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AG
Selenium	ND	5.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AM
Silver	ND	1.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AA
Thallium	ND	1.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AN
Zinc	ND .	10.0 Dilution Facto	ug/L or: 1	MCAWW	200.8	05/10-05/11/10	L09C81AJ
NOTE(S):							

General Chemistry

Matrix....: WATER

Client Lot #...: A0E080468

PARAMETER	ਾ.ਜ਼ਾਨਕਰ	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	PREP
n-Hexane Extractab				MB Lot-Sample #:		<u> </u>
	ND	5.0 Dilution Fact	-	CFR136A 1664A HEM	05/18/10	0138085
n-Hexane Extractab	le	Work Order	#: L1MMJ1AA	MB Lot-Sample #:	A0E180000-086	
	ND	10.0 Dilution Fact	mg/L or: 1	CFR136A 1664A SGT	05/18/10	0138086
Nitrogen, as Ammon	ia ND	****	mg/L	MB Lot-Sample #: SM18 4500NH3-F		0138248
Total phosphorus	ND		mg/L	MB Lot-Sample #: SM18 4500-P E	A0E140000-419 05/14/10	0134419
Total Cyanide	ND	Work Order 0.010 Dilution Fact	mg/L	MB Lot-Sample #: SM18 4500-CN E	A0E180000-359 05/18/10	0138359
Total Suspended Solids		Work Order	#: L1DEP1AA	MB Lot-Sample #:	A0E120000-096	
	ND	4.0 Dilution Fact	mg/L or: 1	SM18 2540 D	05/12/10	0132096

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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

(Continued on next page)

GC/MS Volatiles

Client Lot #.	:	A0E080468	Work Order	#:	L1GQ91AC-LCS	Matrix:	WATER

LCS Lot-Sample#: A0E130000-353 L1GQ91AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD_	LIMITS	METHOD
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
		PERCENT	RECOV	ERY	
SURROGATE		<u>RECOVERY</u>	LIMIT	'S	
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

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L1JP31AC Matrix....: WATER

LCS Lot-Sample#: A0E140000-386

Analysis Date..: 05/13/10 Prep Date....: 05/13/10

Prep Batch #...: 0134386

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		98	(80 - 125)
Toluene-d8		104	(84 - 110)
Bromofluorobenzene		97	(81 - 112)

(Continued on next page)

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.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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	7 5	(53 - 114)	CFR136A 625
4-Bromophenyl phenyl	74	(56 - 110)	CFR136A 625
ether			
Butyl benzyl phthalate	74	(44 - 129)	CFR136A 625
bis(2-Chloroethoxy)	74	(60 - 110)	CFR136A 625
methane			
bis(2-Chloroethyl)-	76	(63 - 115)	CFR136A 625
ether			
bis(2-Chloroisopropyl)	77	(55 - 120)	CFR136A 625
ether			
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	75	(57 - 110)	CFR136A 625
ether		•	•
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	6 4	(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 - 11 7)	CFR136A 625
2,4-Dimethylphenol	60	(10 - 115)	CFR136A 625
Dimethyl phthalate	50	(10 - 115)	CFR136A 625
4,6-Dinitro-	70	(10 - 138)	CFR136A 625
2-methylphenol			

(Continued on next page)

GC/MS Semivolatiles

Client Lot #...: A0E080468 Work Order #...: L09D81AC Matrix.....: WATER

LCS Lot-Sample#: A0E100000-039

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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)	75	(50 - 134)	CFR136A 625
phthalate			
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-	81	(57 - 110)	CFR136A 625
amine		ŧ	
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-	62	(42 - 112)	CFR136A 625
benzene			
2,4,6-Trichloro-	77	(54 - 110)	CFR136A 625
phenol			
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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)

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.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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.

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

PARAMETER Aroclor 1016 Aroclor 1260	PERCENT RECOVERY 98 97	RECOVERY LIMITS (50 - 114) (8.0- 127)	METHOD CFR136A 608 CFR136A 608
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS
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.

TOTAL Metals

Client Lot #: A	.0E080468	Matrix:	WATER
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PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Silver	A0E100000- 97		MCAWW 200.8	05/10-05/11/10	L09C81AQ
Arsenic	92	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81AR
Cadmium	94	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81AT
Chromium	92	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81AU
Copper	99	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81AV
Nickel	98	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81AW
Lead	87	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81AX
Zinc	104	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81A0
Beryllium	92	(85 - 115) Dilution Facto	MCAWW 200.8	05/10-05/11/10	L09C81A1
Antimony	91	(85 - 115) Dilution Factor	MCAWW 200.8	05/10-05/11/10	L09C81A2
Selenium	93	(85 - 115) Dilution Factor	MCAWW 200.8	05/10-05/11/10	L09C81A3
Thallium	88	(85 - 115) Dilution Fact	MCAWW 200.8	05/10-05/12/10	L09C81A4
Mercury	89	(85 - 115) Dilution Fact	MCAWW 245.1 or: 1	05/10-05/11/10	L09C81A5

NOTE(S):

General Chemistry

Lot-Sample #...: A0E080468 Matrix.....: WATER

	PERCENT	RECOVERY	RPD			PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS RPD	LIMITS	METHOD		ANALYSIS DATE	BATCH_#
n-Hexane Ext	ractable	WO#:L1MMG1AC	-LCS/L1M	MG1AD-LCSD	LCS Lot	-Sample#: A0E1	.80000-085
Material							
	99	(78 - 114)		CFR136A 1	664A HEM	05/18/10	0138085
	92	(78 - 114) 7.6	(0-11)	CFR136A 1	664A HEM	05/18/10	0138085
		Dilution Fac	tor: 1				
n-Hexane Ext Material,		WO#:L1MMJ1AC	-LCS/L1M	MJ1AD-LCSD	LCS Lot	-Sample#: A0E1	.80000-086
·	84	(64 - 132)		CFR136A 1	664A SGT	05/18/10	0138086
	85	(64 - 132) 0.59	(0-28)	CFR136A 1	664A SGT	05/18/10	0138086
		Dilution Fac	tor: 1				

NOTE(S):

General Chemistry

Matrix....: WATER

05/12/10 0132096

<u>PARAMETER</u> Nitrogen, as Am	PERCENT RECOVERY monia 100	SM18 4500NH3-F	PREPARATION- ANALYSIS DATE S Lot-Sample#: A0E180000 05/18/10	PREP <u>BATCH #</u> -248 0138248
Total phosphoru	s 96	 SM18 4500-P E	S Lot-Sample#: A0E140000 05/14/10	-419 0134419
Total Cyanide	92	 SM18 4500-CN E	S Lot-Sample#: A0E180000 05/18/10	-359 0138359

(73 - 113) SM18 2540 D

Dilution Factor: 1

Work Order #: L1DEP1AC LCS Lot-Sample#: A0E120000-096

NOTE(S):

Solids

Total Suspended

Client Lot #...: A0E080468

Calculations are performed before rounding to avoid round-off errors in calculated results.

99

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

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY_	LIMITS	RPD	LIMITS_	METHOD
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		(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		(77 - 133)	_		CFR136A 624
	92	(77 - 133)	3.7	(0-30)	CFR136A 624

(Continued on next page)

GC/MS Volatiles

Client Lot #...: A0E080468 Work Order #...: L08TH1AC-MS Matrix..... WATER

MS Lot-Sample #: A0E080474-001

L08TH1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
111,611,111					
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
		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS	
1,2-Dichloroethane-d4	_	117		(80 - 125	5)
1,1 210111010101111		102		(80 - 125	5)
Toluene-d8	1	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.

a Spiked analyte recovery is outside stated control limits.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		104	(80 - 125)
Toluene-d8		105	(84 - 110)
Bromofluorobenzene		96	(81 - 112)
promorranconemzene		J 0	(01 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

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

PARAMETER Aroclor 1016 Aroclor 1260	PERCENT RECOVERY 91 87	RECOVERY <u>LIMITS</u> (50 - 114) (8.0- 127)	METHOD CFR136A 608 CFR136A 608
SURROGATE Tetrachloro-m-xylene Decachlorobiphenyl		PERCENT RECOVERY 88 44	RECOVERY <u>LIMITS</u> (15 - 131) (10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

TOTAL Metals

Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10

PARAMETER	PERCENT RECOVERY	RECOVERY RPD LIMITS RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sampl	e #: A0E08	0468-004 Prep Batch #	.: 0130013		
Antimony	98	(70 - 130)	MCAWW 200.8	05/10-05/11/10	
•	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
Deryrrram	96	(70 - 130) 1.4 (0-20)		05/10-05/11/10	
		Dilution Factor: 1			
	0.5	(70 120)	MCAWW 200.8	05/10-05/11/10	T 000m1 3.1
Cadmium	97 97	(70 - 130) (70 - 130) 0.58 (0-20)	· · ·	05/10-05/11/10	
	<i>J</i> ,	Dilution Factor: 1	22011111 20010	., _, _, _, _,	
Chromium	96	(70 - 130)	MCAWW 200.8	05/10-05/11/10	
	97	(70 - 130) 0.92 (0-20) Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	LUORTIA4
		Dilucion Faccor.			
Copper	97	(70 - 130)	MCAWW 200.8	05/10-05/11/10	
	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	LOSRTICN
Mercary	93	(69 - 134) 2.3 (0-20)	MCAWW 245.1	05/10-05/11/10	
		Dilution Factor: 1			
	0.0	(50 120)	MC N.T.T. 1 200 0	05/10 05/11/10	T 000m177
Nickel	99 100	(70 - 130) (70 - 130) 0.69 (0-20)	MCAWW 200.8 MCAWW 200.8	05/10-05/11/10 05/10-05/11/10	
	±00	Dilution Factor: 1	11011000 200.0	00,20 00,22,20	_ 3 0212 22.40
Selenium	96	(70 - 130)	MCAWW 200.8	05/10-05/11/10	
	97	(70 - 130) 0.61 (0-20) Dilution Factor: 1	MCAWW 200.8	05/10-05/11/10	TORKLICK
		DILUCTOR FACTOR: I			

(Continued on next page)

TOTAL Metals

Date Sampled...: 05/07/10 10:05 Date Received..: 05/08/10

<u>PARAMETER</u> Silver	PERCENT RECOVERY 98 98	RECOVERY RPD <u>LIMITS</u> RPD LIMI (70 - 130) (70 - 130) 0.34 (0-2	MCAWW 200.8	PREPARATION- WORK ANALYSIS DATE ORDER # 05/10-05/11/10 L08RT1AV 05/10-05/11/10 L08RT1AW
		Dilution Factor: 1		
Thallium	94 95	(70 - 130) (70 - 130) 0.83 (0-2 Dilution Factor: 1	MCAWW 200.8 0) MCAWW 200.8	05/10-05/11/10 L08RT1CL 05/10-05/11/10 L08RT1CM
Zinc	96 97	(70 - 130) (70 - 130) 0.76 (0-2 Dilution Factor: 1	MCAWW 200.8 0) MCAWW 200.8	05/10-05/11/10 L08RT1CC 05/10-05/11/10 L08RT1CD

NOTE(S):

General Chemistry

Date Sampled...: 05/07/10 10:10 Date Received..: 05/08/10

PARAMETER_	PERCENT RECOVERY	RECOVERY LIMITS	RPD <u>RPD</u> <u>LIMITS</u>	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Tot	al	WO#:	L08WR1AU-MS/		S Lot-Sample #: A	
	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
		Dilut	ion Factor: 1			
Nitrogen, as	Ammonia	WO#:	L0T8J1A9-MS/	L0T8J1CA-MSD M	S Lot-Sample #: A	DD300579-008
	93	(75 - 125)		SM18 4500NH3-F	05/18/10	0138247
	97	(75 - 125)	3.5 (0-20)	SM18 4500NH3-F	05/18/10	0138247
		Dilu	ion Factor: 1			
Total phosph	orus	WO#:	L08251AD-MS/	L08251AE-MSD M	S Lot-Sample #: A	
	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
		Dilut	ion Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

NC The recovery and/or RPD were not calculated.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E080468 Work Order #...: L06FC-SMP

Matrix....: WATER

L06FC-DUP Date Sampled...: 05/06/10 14:45 Date Received..: 05/07/10

PARAM RESULT Total Suspended	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE A0E070435-001	PREP <u>BATCH</u> #
Solids ND	ND	mg/L	0	(0-20)	SM18 2540 D	05/12/10	0132096

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0E080468 Work Order #...: L066W-SMP Matrix.....: WATER

L066W-DUP

Date Sampled...: 05/07/10 09:15 Date Received..: 05/07/10

 PARAM PESULT
 RESULT
 UNITS
 RPD
 PREPARATION PREPA

Dilution Factor: 1

TestAmerica Coolei	Receipt Form/Narrat	IV6	ot Number:	LAGAR	DULX
	***************************************		oc.redii3ber.		
North Canton Facili		ct South Bend	B.:: /1/	wu	
Client MACTE Cooler Received on		ned on 5/8/10	By: <u>C/C</u>	(Signatur	<u></u>
	☐ FAS ☐ Stetson ☐ Ci		erica Courier	Other	
	Multiple Cool			Other	
	n the outside of the cooler(^ □
If YES, Quantity		tity Unsalvageable3	1801: 163 M	NO III	Λ.Ш.
	n the outside of cooler(s) si		Voc 8	No □ N	, FT
Were custody seals o		gileu allu daleu :		No 🔀	ΛЦ.
If YES, are there any		* •	162	NO EX	
•	attached to the cooler(s)?		Yes 🗹	No 🗆	
	company the sample(s)?	/es XX No IT	Relinquished	hy client? V	ac Min []
	ers signed in the appropria		Yes 🔯	No. [7]	es E (140 🗀
	i: Bubble Wrap 🕅 For			140.	
6. Cooler temperature u		°C See back of form for		temps X	
	₹	O OCO DOCK OF TOTAL TOT	·	rempo <u>ir 1</u>	
	Blue Ice Dr	Ice Water N	lone 🗆	i.	
	good condition (Unbroken		Yes to ₹	No 🗆	
	be reconciled with the COC		Yes 🛣		
1	correct pH upon receipt?		Yes 🛣		A 🗆
	used for the test(s) indicate	ed?	Yes 🗹		•
11. Were air bubbles >6 r				No N	ΑΠ
	eived to perform indicated	analyses?	Yes 🕅		` —
	ent in the cooler(s)? Yes		on the COC?		оП
Contacted PM		by	_ via Verbal □		
Concerning					
14. CHAIN OF CUSTOD	Y				
The following discrepanci	es occurred:				
Istill for XIA	3 Total Motals (200 T. Phasalon	nc 4735	11 /	Ω
6. 0/2			<i>3</i>	/ / / /	-
Sangros pa	- past w	ll log romaines	ACH OT A	maysos	<u> </u>
Grab pur	past.		· .	<u> </u>	·
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CONTROL OF THE PROPERTY OF THE					
15 SAMPLE CONDITIO	(N			1-1	
Sample(s)		were received after the re			
Sample(s) Sample(s)			were received		
16 SAMPLE PRESERV	ATION	were received with	Duddie >6 mm i	n diarneter,	(Notity PM)
	47/OW	· · · · · · · · · · · · · · · · · · ·	- 43 · · · · · · · · · · · · · · · · · ·		
Sample(s)	mended pH level(s). Nitric A	· Wei	re further preser	ved in Sam	pie
Hydroxide Lot# 100108 -Nei	OH; Hydrochloric Acid Lot# 09:	010 L01# 121709-111103; Sulf 2006-HCl: Sodium Hudrovida	unc Add Lol# 121 a and Zinc Acetate	/ 09-172504, a / 01# 10010	S00IUM 8_
	at time was preservative ad		· ·	2,2011-10010	U -
Client ID		рН		Date	Initials
EW-4	126262 62 712 6			18/10	9-
EW-5		2 62 62	·	-	1
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orth Canton Facil			T -
Client ID	На На	<u>Date</u>	Initial
			
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Cooler#	Temp. °C	Method	Coola
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	(8C C - C)	4-10-	
	11, 7	1-	4
	1, 7		1-
41-954	11, 7		J -
	1, 7		
41-954	1, 7		
41- 954	1, 7		
41-954	1, 7		
41- 954	1, 7		
41-954	1, 7		
41- 954	1, 7	1	
41- 954	1, 7		
41- 954	1, 7	1	
41- 954	1, 7	1	
crepancies Contid:	1, 7	1	
crepancies Contid:	1, 7	1	
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41 - 954	1, 7		
qt - 954 crepancies Cont'd:	1, 7		
41 - 954	1, 7		
qt - 954	1, 7		
41 - 954	1, 7		
crepancies Cont'd:	1, 7		
41 - 954	1, 7		



END OF REPORT



4101 Shuffel Street, N. W. North Canton, OH 44720 phone 330,497.9796 fax 330,497.0772

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING
THERE LEADER IN ENVIRONMENTAL TESTING

Sample Specific Notes: 000 Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) COC No: SDG No. ob No. Arcmive For Carrier: F8TO 8X Date: 5-7-10 Disposal By Lab Zuspended Solids (TSS) - 2540D Į 34 4200 NH3-E Ŋ 7 3 Return To Client Site Contact: James Staley Lab Contact: Mark Loeb 7 1 (N (S) L. Cyanide - 4509 CN-E 2 2 N Pesticides, PCBs - 608 12|E|N I 7 AOC# - 654 5-7-10/1720 2 # of Cont. 1 CHESTIN HZO 17 Date/Time: CEAR HZO HZO Matrix Analysis Turnaround Time Unknown Calendar (C) or Work Days (W) Sample Type Project Manager: Steve Murray TAT if different from Below 2 weeks 2 days 1 week MASTER 1 day Tel/Fax: (231) 922-9050 Sample 1005 205 Time Poison B Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Company: 2.7.10 Sample Date 01-4-5 Skin Irritant Project Name: Honeywell South Bend - 3310090039.6100.1 Special Instructions/QC Requirements & Comments: Company: MACTEC Engineering and Consulting, Inc. City/State/Zip: Traverse City, Michigan 49686 Sample Identification Phone 0 TRIP BLANK S 00 assible Hazard Identification Address: 41 Hughes Drive EW-4 EW-5 Non-Hazard Site: South Bend Relinquished by: (231) 922-9050 P O #: 5133286 (231) 922-9055

Date/Time:

Company:

Received by:

Date/Time:

Company:

Relinquished by:

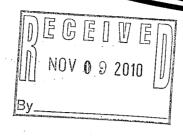
Relinquished by

Company:

Date/Tirhe:

Company





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.

Mark J. Loeb

Project Manager

mark.loeb@testamericainc.com

November 05, 2010

10 NOT Test America 1020

Approved for release Mark J. Loeb Project Manager II 11/5/2010 12:44 PM

1 of 36

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 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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

A0J210463

		REPORTING		ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD
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

PARAMETER ANALYTICAL METHOD

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

₩O #	SAMPLE#	CLIENT SAMPLE ID			 SAMPLED DATE	SAMP TIME
L8VA3 L8VA6 L8VA7 L8VA8	001 002 003 004	S-22 10 10 PZ-22A 10 10 S-23 10 10 PZ-23A 10 10	 ÷	• .	10/18/10 10/18/10 10/18/10 10/18/10	14:45 16:30
MOME (C	١.					

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.

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			REPORTING	
Acetone	PARAMETER	RESULT		UNITS
Acrolein				
Acrylonitrile	Acrolein	ND	20	_
Benzene				_
Bromobenzene ND 1.0	-	ND		-
Bromochloromethane	Bromobenzene	ND	1.0	-
Bromodichloromethane ND 1.0 ug/L	Bromochloromethane	ND	1.0	- .
Bromoform	Bromodichloromethane	ND	1.0	ug/L
Bromomethane	Bromoform	ND	1.0	-
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 Chloroethyl vinyl ether ND 10 ug/L Chloroform ND 1.0 ug/L Chloroethyl vinyl ether ND 1.0 ug/L Chloro	Bromomethane	ND	1.0	-
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 Chlorototethene ND 1.0 ug/L Chlorodibromomethane ND 1.0 ug/L Chloroethane ND 1.0 ug/L 2-Chloroethyl vinyl ether ND 1.0 ug/L Chloroform ND 1.0 ug/L Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 1. 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND	Methyl ethyl ketone	ND	10	_
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 Chloroethane ND 1.0 ug/L Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND	-	ND	1.0	-
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 1.0 ug/L Chloroform ND 1.0 ug/L Chloromethane ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 1.0 ug/L chloropoppane (DBCP) ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,1-Dichloroethane ND <td></td> <td>ND</td> <td>1.0</td> <td>-</td>		ND	1.0	-
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 Chloroform ND 1.0 ug/L Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND	-	ND		-
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 1.0 ug/L Chloroform ND 1.0 ug/L Chloroform ND 1.0 ug/L 2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) 1.2 ug/L ug/L 1,2-Dibromoethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,3-Dichlorobenzene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethene 36 <td>-</td> <td>2.2</td> <td>1.0</td> <td></td>	-	2.2	1.0	
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 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane 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 1,1-Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L 1,1-Dichloroethene 1	Carbon tetrachloride	ND	1.0	
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- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromomethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND 1.0 ug/L 2-butene Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 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	Chlorobenzene	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- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromomethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND 1.0 ug/L 2-butene Dichloroethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 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	Chlorodibromomethane	ND	1.0	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- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane 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- ND 1.0 ug/L 2-butene ND 1.0 ug/L Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene 17 1.0 ug/L trans-1,2-Dichloroethene ND 1.0 ug/L	Chloroethane	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- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromomethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L 1,4-Dichloroethane ND 1.0 ug/L 2-butene 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	2-Chloroethyl vinyl ether	ND	10	ug/L
2-Chlorotoluene ND 1.0 ug/L 4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromomethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 2-butene ND 1.0 ug/L 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	Chloroform	ND	1.0	ug/L
4-Chlorotoluene ND 1.0 ug/L 1,2-Dibromo-3- ND 2.0 ug/L chloropropane (DBCP) ND 1.0 ug/L 1,2-Dibromoethane ND 1.0 ug/L Dibromomethane ND 1.0 ug/L 1,2-Dichlorobenzene ND 1.0 ug/L 1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 2-butene ND 1.0 ug/L 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	Chloromethane	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 1,2-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	2-Chlorotoluene	ND	1.0	ug/L
chloropropane (DBCP) 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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene 17 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	4-Chlorotoluene	ND	1.0	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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene 17 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	1,2-Dibromo-3-	ND	2.0	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- ND 1.0 ug/L 2-butene ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-1,2-Dichloroethene 17 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	chloropropane (DBCP)			
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- ND 1.0 ug/L 2-butene Dichlorodifluoromethane ND 1.0 ug/L 1,1-Dichloroethane ND 1.0 ug/L 1,2-Dichloroethane ND 1.0 ug/L trans-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	1,2-Dibromoethane	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- ND 1.0 ug/L 2-butene 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	Dibromomethane	ND	1.0	ug/L
1,4-Dichlorobenzene ND 1.0 ug/L trans-1,4-Dichloro- ND 1.0 ug/L 2-butene 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	1,2-Dichlorobenzene	ND	1.0	ug/L
trans-1,4-Dichloro- ND 1.0 ug/L 2-butene 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	1,3-Dichlorobenzene	ND	1.0	ug/L
2-butene 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	1,4-Dichlorobenzene	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	trans-1,4-Dichloro-	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	2-butene			
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	Dichlorodifluoromethane	ND	1.0	ug/L
cis-1,2-Dichloroethene361.0ug/Ltrans-1,2-Dichloroethene171.0ug/L1,1-DichloroetheneND1.0ug/L	1,1-Dichloroethane	ND	1.0	ug/L
trans-1,2-Dichloroethene 17 1.0 ug/L 1,1-Dichloroethene ND 1.0 ug/L	1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene ND 1.0 ug/L	cis-1,2-Dichloroethene	36	1.0	
· ·	trans-1,2-Dichloroethene	17	1.0	ug/L
Dichlorofluoromethane ND 2.0 ug/L	1,1-Dichloroethene	ND	1.0	ug/L
	Dichlorofluoromethane	ND	2.0	ug/L

Client Sample ID: S-22 10 10

GC/MS Volatiles

Lot-Sample #...: A0J210463-001 Work Order #...: L8VA31AA Matrix..... WG

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DADAMENTO	DECIT M	REPORTIN	
PARAMETER 1. 2. Di ghloroppopopo	RESULT ND	LIMIT	UNITS
1,2-Dichloropropane		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	${ t ug/L}$
2-Hexanone	ND	10	${ t ug/L}$
Iodomethane	ND	1.0	${ t ug/L}$
Isopropylbenzene	ND	1.0	${ t ug/L}$
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	ND	10	ug/L
(MIBK)			
Methyl tert-butyl ether	ND	5.0	ug/L
(MTBE)			-
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-	ND	1.0	ug/L
1,2,2-trifluoroethane	ND	1.0	ag, n
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	
			ug/L
Vinyl chloride	ND	2.0	ug/L
Vinyl chloride	25 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-	ND	1.0	ug/L
benzene			
1,1,1-Trichloroethane	ND	1.0	${ t ug/L}$

Client Sample ID: S-22 10 10

GC/MS Volatiles

Lot-Sample #: A0J210463-001	Work Order #:	L8VA31AA	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	108	(75 - 121)	
1,2-Dichloroethane-d4	98	(63 - 129)	
Toluene-d8	99	(74 - 115)	
4-Bromofluorobenzene	89	(66 - 117)	

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

		REPORTIN	IC
PARAMETER	RESULT	LIMIT	UNITS
Acetone	ND 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 ug/L
Carbon disulfide	ND ND	2.0	_
Carbon disullide Carbon tetrachloride		2.0	ug/L
	ND		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-	ND	4.0	${ t ug/L}$
chloropropane (DBCP)			
1,2-Dibromoethane	ND	2.0	ug/L
Dibromomethane	ND	2.0	${ t ug/L}$
1,2-Dichlorobenzene	ND	2.0	${ t ug/L}$
1,3-Dichlorobenzene	ND	2.0	${ t ug/L}$
1,4-Dichlorobenzene	ND	2.0	ug/L
trans-1,4-Dichloro-	ND	2.0	ug/L
2-butene			
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

Client Sample ID: PZ-22A 10 10

GC/MS Volatiles

Lot-Sample #...: A0J210463-002 Work Order #...: L8VA61AA Matrix..... WG

		REPORTIN	IC
DA DA MEMED	חה כווו ש		
PARAMETER	RESULT	<u>LIMIT</u> 2.0	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		ug/L
1,1-Dichloropropene	ND	2.0 2.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate	ND .		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	ND	10	ug/L
(MTBE)			
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	$\mathtt{ug/L}$
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-	ND	2.0	ug/L
1,2,2-trifluoroethane			
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-	ND	2.0	ug/L
benzene		_••	31
1,1,1-Trichloroethane	ND	2.0	ug/L
1, 1, 1 111011101000110110	212	2.0	~9/ ~

Client Sample ID: PZ-22A 10 10

GC/MS Volatiles

Lot-Sample #: A0J210463-002	Work Order #:	L8VA61AA	Matrix WG
. * · · · · · · · · · · · · · · · · · ·		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	107	(75 - 121)	
1,2-Dichloroethane-d4	97	(63 - 129)	
Toluene-d8	98	(74 - 115)	
4-Bromofluorobenzene	88	(66 - 117)	

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

REPORTING
PARAMETER RESULT 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- ND 2.0 ug/L
chloropropane (DBCP)
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- ND 1.0 ug/L
2-butene
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

Client Sample ID: S-23 10 10

GC/MS Volatiles

Lot-Sample #...: A0J210463-003 Work Order #...: L8VA71AA Matrix..... WG

		DEDODUTY	
PARAMETER	RESULT	REPORTIN 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 ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L ug/L
1,1-Dichloropropene	ND	1.0	
	ND	1.0	ug/L
Ethylbenzene Diethyl ether	ND	2.0	ug/L
Ethyl methacrylate			ug/L
Hexachlorobutadiene	ND	1.0	ug/L
	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	ND	10	ug/L
(MIBK)			
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-	ND	1.0	ug/L
1,2,2-trifluoroethane			J.
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 ug/L
Trichloroethene	4.6	1.0	ug/L ug/L
1,2,4-Trichloro-	ND	1.0	-
	IND	1.0	ug/L
benzene 1,1,1-Trichloroethane	NID	1 0	12 cr / T
r, r, r-rrrchroroethane	ND	1.0	ug/L

Client Sample ID: S-23 10 10

GC/MS Volatiles

Lot-Sample #: A0J210463-003	Work Order #:	L8VA71AA	Matrix WG
		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
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
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	107	(75 - 121)	
1,2-Dichloroethane-d4	94	(63 - 129)	
Toluene-d8	94	(74 - 115)	
4-Bromofluorobenzene	85	(66 - 117)	

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

		REPORTIN	IG.
PARAMETER	RESULT	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-	ND	2.0	ug/L
chloropropane (DBCP)			
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-	ND	1.0	ug/L
2-butene			-
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

Client Sample ID: PZ-23A 10 10

GC/MS Volatiles

Lot-Sample #...: A0J210463-004 Work Order #...: L8VA81AA Matrix..... WG

D 2 D 2 M CO CO CO	· DECITA	REPORTIN	
PARAMETER 1,2-Dichloropropane	RESULT ND	1.0	UNITS
			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	${ t ug/L}$
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-	ND	1.0	ug/L
1,2,2-trifluoroethane	ND	1.0	ug/ i
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 acetate Vinyl chloride	ND	1.0	
=	ND	2.0	ug/L
m-Xylene & p-Xylene			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

Client Sample ID: PZ-23A 10 10

GC/MS Volatiles

Work Order #:	L8VA81AA	Matrix WG
	REPORTING	
RESULT	LIMIT	UNITS
ND	1.0	ug/L
PERCENT	RECOVERY	
RECOVERY	LIMITS	
112	(75 - 121)	
100	(63 - 129)	and the second s
94	(74 - 115)	
85	(66 - 117)	
	RESULT ND ND ND ND ND PERCENT RECOVERY 112 100 94	RESULT LIMIT ND 1.0 ND 1.0 ND 1.0 ND 1.0 PERCENT RECOVERY RECOVERY LIMITS 112 (75 - 121) 100 (63 - 129) 94 (74 - 115)



QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AA Matrix.....: WATER

MB Lot-Sample #: A0K010000-407

Prep Date....: 10/31/10

Analysis Date..: 10/31/10 Prep Batch #...: 0305407

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B
2-butene				
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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AA Matrix...... WATER

	π	REPORTI	NG.	
PARAMETER	RESULT	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-	ND	1.0	ug/L	SW846 8260B
benzene				2
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-	ND	1.0	ug/L	SW846 8260B
1,2,2-trifluoroethane			5, -	
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-	ND	2.0	ug/L	SW846 8260B
chloropropane (DBCP)			57 —	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
(MIBK)	- · -	- -	5,	,
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
(MTBE)			5,	
,,				

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #: A0J210463	Work Order #.	: L9EEW1AA	Matrix WATER
PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	107	$\overline{(75 - 121)}$	
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.

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0K010000-407 L9EEW1AD-LCSD

Prep Batch #...: 0305407

Dilution Factor: 1

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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	(76117)	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

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0K010000-407 L9EEW1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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-	108	(74 - 151)			SW846 8260B
1,2,2-trifluoroethane					
	104	(74 - 151)	4.2	(0-30)	SW846 8260B
Methyl tert-butyl ether	135	(52 - 144)			SW846 8260B
(MTBE)					
	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

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0K010000-407 L9EEW1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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-	58	(42 - 136)		(/	SW846 8260B
propane		,			
p I op and	58	(42 - 136)	1.2	(0-30)	SW846 8260B
1,2,4-Trichloro-	67	(48 - 135)			SW846 8260B
benzene	0,	(10 2007			2
	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
1	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
1	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
				,,	

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L9EEW1AC-LCS Matrix..... WATER

LCS Lot-Sample#: A0K010000-407 L9EEW1AD-LCSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
1,3-Dichloropropane	100	(79 - 116)			SW846 8260B
	101	(79 - 116)	0.90	(0-30)	SW846 8260B
2,2-Dichloropropane	67	(50 - 129)			SW846 8260B
	68	(50 - 129)	1.7	(0-30)	SW846 8260B
1,1-Dichloropropene	103	(83 - 114)			SW846 8260B
	104	(83 - 114)	1.2	(0-30)	SW846 8260B
Hexachlorobutadiene	70	(36 - 134)			SW846 8260B
	70	(36 - 134)	0.47	(0-30)	SW846 8260B
Iodomethane	106	(72 - 141)			SW846 8260B
	108	(72 - 141)	1.5	(0-30)	SW846 8260B
p-Isopropyltoluene	94	(74 - 120)			SW846 8260B
	93	(74 - 120)	0.79	(0-30)	SW846 8260B
Naphthalene	50	(32 - 141)			SW846 8260B
	51	(32 - 141)	2.0	(0-30)	SW846 8260B
n-Propylbenzene	101	(74 - 121)			SW846 8260B
	102	(74 - 121)	1.5	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	95	(72 - 116)			SW846 8260B
	96	(72 - 116)	0.86	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	66	(54 - 126)			SW846 8260B
	67	(54 - 126)	1.3	(0-30)	SW846 8260B
1,2,3-Trichloropropane	86	(73 - 129)			SW846 8260B
	83	(73 - 129)	2.5	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	100	(76 - 120)			SW846 8260B
	98	(76 - 120)	1.5	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	96	(72 - 118)			SW846 8260B
	94	(72 - 118)	1.4	(0-30)	SW846 8260B
		PERCENT	RECOV	ERY	
SURROGATE		RECOVERY	LIMIT	S	
Dibromofluoromethane		103	(75 -	121)	
		104	(75 -	121)	
1,2-Dichloroethane-d4		97	(63 -	129)	
		95	(63 -		
Toluene-d8		107	(74 -		
		105	(74 –	115)	
4-Bromofluorobenzene		105	(66 –		
		104	(66 –		
			•	•	

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.

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

	PERCENT	RECOVERY		RPD	•
PARAMETER	RECOVERY	LIMITS	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

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L8VD11AC-MS Matrix..... WATER

MS Lot-Sample #: A0J210469-007 L8VD11AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	105	(72 - 121)			SW846 8260B
	100	(72 - 121)	4.9	(0-30)	SW846 8260B
trans-1,3-Dichloropropene		(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		(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
(1122)	126	(46 - 144)	6.8	(0-30)	SW846 8260B
1,2-Dibromoethane	82	(74 - 113)		•	SW846 8260B
T'I DINTOUGOCHAME	76	(74 - 113)	7.5	(0-30)	SW846 8260B
Isopropylbenzene	99	(68 - 116)	, • 5	(0 50)	SW846 8260B
raobroblinensene		(68 - 116)	3 0	(0-30)	SW846 8260B
	96	(00 - 110)	3.0	(0-30)	3W040 0Z0UB

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L8VD11AC-MS Matrix...... WATER

MS Lot-Sample #: A0J210469-007

L8VD11AD-MSD

PARAMETER RECOVERY LIMITS RPD LIMITS METHOD 1,3-Dichlorobenzene 98 (73 - 110) \$W846 8260B 93 (73 - 110) 4.9 (0-30) \$W846 8260B 1,4-Dichlorobenzene 94 (75 - 110) \$W846 8260B 91 (75 - 110) 3.2 (0-30) \$W846 8260B
93 (73 - 110) 4.9 (0-30) SW846 8260B 1,4-Dichlorobenzene 94 (75 - 110) SW846 8260B
93 (73 - 110) 4.9 (0-30) SW846 8260B 1,4-Dichlorobenzene 94 (75 - 110) 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- 58 (32 - 139) SW846 8260B propane
56 (32 - 139) 3.2 (0-30) SW846 8260B
1,2,4-Trichloro- 66 (38 - 138) SW846 8260B benzene
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

GC/MS Volatiles

Client Lot #...: A0J210463 Work Order #...: L8VD11AC-MS Matrix..... WATER

MS Lot-Sample #: A0J210469-007 L8VD11AD-MSD

	PERCENT	RECOVERY		RPD	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD
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
017770 G1 TT		PERCENT		RECOVERY	
SURROGATE		RECOVERY		LIMITS	_
Dibromofluoromethane		105		(75 - 121	
1 2 Diahlamashhara 44		97 92		(75 - 121	
1,2-Dichloroethane-d4				(63 - 129	
Mal		85		(63 - 129	
Toluene-d8		106		(74 - 115)	
4 Dramafluanahan-ar-		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



phone 300.497.7330 tax 330.477.0772					TestAmerica Laboratories, Inc
			Site Contact: James Staley	Date: 10 izala	COC No:
Client Contact	Troject Managet. Steve mannay		Lab Contact: Mark Loeb	ΗI	of 3 cocs
Company: MACTEC Engineering and Consulting, Inc.	Analysis Turi	Analysis Turnaround Time			Job No.
Address: 41 Hugnes Dive	Calendar (C) or Work Days (W)	Days (W)			
lavelse city, whom	TAT if different from Below				
(231) 922-9050 Phone	171 11 11 11 11 11 11 11 11 11 11 11 11				SDG No.
(231) 922-9055 FAX	2 w	2 weeks			•
Ioneywell South Ber	☐ I week				
Site: South Bend					
P O #: 5133286	1 day				
	.,	# of	OCs -		Comple Specific Notes
Sample Identification	Date Time	Jł			CHAIL IN SPECIAL STREET
01 01 05 3	10/18/10 N	VON/SANS HZO 3	X		
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PZ-23A 10 10	10/18/10/12/2	10N GRAS HZO S	×		
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The result is to 12 HCl: 3= H2SO4: 4=HNO3: 5=NaOH; 6= Other	NaOH; 6= Other				
Prescrible Hazard Identification	ı]	Sample Disposal (A fee may be	nples are r	nger than 1 month)
Non-Hazard	Poison B	Unknown	Return To Client	Disposal By Lab Archive For	OF MONTHS
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Relinquished by:	mpan	Date/Time:	Received by:	Company:	Date∕Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Lolzi C 900
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	ceipt Form/Narrative	Lot No	imber:	A0 210	465				
TestAmerica Cooler Re	cerbi i oriini i								
North Canton Facility	Project Offs: to	Plume	By:/'	he Lan	<u> </u>				
Client Mactec		1.15		(Signatun€)					
Cooler Received on			Courier [Other					
			Cooler Z	Other					
TestAmerica Cooler #	e outside of the cooler(s)? Yes No	☐ Intact?	Yes 🗀	No 🗌 NA					
in the complete the		IU		·					
If YES, Quantity	e outside of cooler(s) signed and dated?	٠	Yes 🗹						
Were custody seals on the	e hottle(s)?		Yes 🗌	No 🔄					
If YES, are there any exc	entions?								
a Chinners' nacking slip att	ached to the cooler(s)?		Yes 🕣						
3 Did custody papers accol	mpany the sample(s)? Yes 🔼 No 🗀 🗀	Re		by client? Yes	s ld No ld				
A LAC Also sundandu nonoro	eigned in the appropriate DIACE!			- No □					
	Pubble Wran / Foam / I None!	Other		·					
6 Cooler temperature upon	receipt °C See back of	form for mult	iple cooler	s/temps 🔲					
METHOD: IR	Utner II								
COOLANT: Wet Ice	Blue Ice Dry Ice Wate	er 🔲 None	Ц _	—	•				
7 Did all bottles arrive in go	ood condition (Unbroken)?		Yes 🖽	=					
8. Could all bottle labels be	reconciled with the COC?		Yes 🖸						
9 Were sample(s) at the co	orrect pH upon receipt?		Yes 📙	=					
10. Were correct bottle(s) us	sed for the test(s) indicated?		Yes ⊡						
11. Were air bubbles >6 mm	in any VOA vials?		Yes 📙	No A NA	Ш				
12. Sufficient quantity receiv	red to perform indicated analyses?			- No □	·—				
42 Mos a trip blank present	in the conter(s)? Yes I No V We	ere VOAs on t	he COC?	Yes 🔼 No					
Contacted PM	Date by	Via	a Verbal L	J Voice Mail L	」Otner ∐				
Concerning									
			<u>'' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '</u>		<u> </u>				
The following discrepancies occurred:									
,									
AF CAMPLE CONDITION					·				
Sample(s)	were received a		nmended	noldina time h	ad expired.				
Sample(s)	WOLC LOCKYOU			ed in a broken					
Sample(s)	were rece			in diameter. (
16. SAMPLE PRESERVAT									
Sample(s)	<u> </u>	were fi	irther pres	erved in Samp	ole				
Receiving to meet recomme	ended pH level(s). Nitric Acid Lot# 051010-								
Hydroxide Lot# 100108 -NaOF	i; Hydrochloric Acid Lot# 092006-HCl; Sodiun	n Hydroxide an	d Zinc Aceta	ate Lot# 100108	 -				
(CH₃COO)₂ZN/NaOH. What	time was preservative added to sample(s	s)?							
Client ID	рН			<u>Date</u>	<u>Initials</u>				
	J. 7								
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TO SECURITY PROPERTY OF THE PR

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Cooler#		Temp. °C		Method	Coolant
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Cooler #	ont'd:	Temp. °C			
Cooler #	ont'd:	Temp, °C			



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 L'ABORATORIES, INC.

Mark J. Loeb

Project Manager

mark.loeb@testamericainc.com

November 22, 2010

10112 Test Anna 10201

1 of 146

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.

OUALITY 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.

OC 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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:

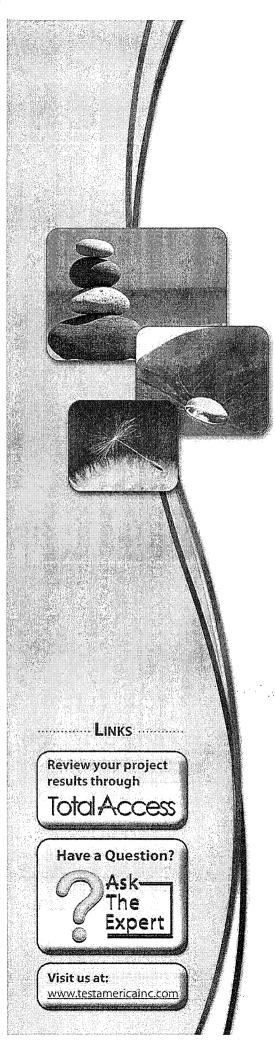
The laboratory is certified for the analytes listed on the documents below. These are available upon-request-California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),

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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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

ficee

Authorized for release by: 11/19/2010 3:56 PM

Joseph Carabillo
Project Manager I
joseph.carabillo@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.

Page 1 of 132 7 of 146 11/19/2010

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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
٨	Instrument related QC exceeds the control limits
В	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.
Glossar	V

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, A0K060451-2, A0K060451-3, A0K060451-4, A0K060451-5, A0K060451-6, A0K060451-7, A0K060451-8, A0K060451-9, A0K060451-10, A0K060451-11, A0K060451-12, A0K060451-13, A0K060451-14, A0K060451-15, A0K060451-16. A0K060451-17, A0K060451-18, A0K060451-19, A0K060451-20, A0K060451-21, A0K060451-22, A0K060451-23, A0K060451-24, A0K060451-25, A0K060451-26, A0K060451-27, A0K060451-28, A0K060451-29, A0K060451-30, A0K060451-31, A0K060451-32, A0K060451-33, A0K060451-34, A0K060451-35, A0K060451-36, A0K060451-37, A0K060451-38, A0K060451-39, A0K060451-40 and A0K060451-41 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 A0K060451-17[4X], A0K060451-18[40X], A0K060451-20[2X], A0K060451-22[5X], A0K060451-29[2X], A0K060451-30[2X], A0K060451-33[3X] and A0K060451-34[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.

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Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

Acetone

Benzene

Iodomethane

Carbon disulfide

trans-1,2-Dichloroethene

1,2-Dichloroethene, Total

cis-1,2-Dichloroethene

TestAmerica Job ID: 200-2452-1

		Qualifier	RL	IVIDE	Unit	Dil Fac	יו ע	Medioa	Prep Type
lodomethane	0.28	J	1.0	0.18	ug/L		- 5	3260B	Total/NA
Carbon disulfide	0.18	JB	1.0	0.13	ug/L	1	8	3260B	Total/NA
Benzene	0.20	J	1.0	0.19	ug/L	1	8	3260B	Total/NA
Toluene	0,42	J	1.0	0.19	ug/L	1	8	3260B	Total/NA
trans-1,3-Dichloropropene	0.22	J	1.0	0.20	ug/L	1	8	3260B	Total/NA
1,2,4-Trimethylbenzene	0.23	J	1.0	0.21	ug/L	1	8	3260B	Total/NA
1,2,4-Trichlorobenzene	0,20	JВ	1.0	0.15	ug/L	1	8	3260B	Total/NA
Naphthalene	0.34	JВ	1.0	0.15	ug/L	1	8	3260B	Total/NA
1,2,3-Trichlorobenzene	0.20	JB	1.0	0.14	ug/L	1	8	3260B	Total/NA
Client Sample ID: A0K060451-2						l	_ab	Sample	ID: 200-2452-
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D I	Viethod	Prep Type
Vinyl chloride	11		1.0	0.34	ug/L	1	_ E	3260B	Total/NA
Toluene	0.38	J	1.0	0.19	ug/L	1	8	3260B	Total/NA
Client Sample ID: A0K060451-3						L	_ab	Sample	ID: 200-2452
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	י ס	Method	Prep Type
lodomethane	0.25	J	1.0	0.18	ug/L		_ {	3260B	Total/NA
Carbon disulfide	0.15	JB	1.0	0.13	ug/L	1	8	3260B	Total/NA
1,2-Dichloroethene, Total	0.64	J	1.0	0.31	ug/L	1	8	3260B	Total/NA
cis-1,2-Dichloroethene	0.64	J	1.0	0.18	ug/L	1	8	3260B	Total/NA
1,2-Dichloroethane	18		1.0	0.18	ug/L	1	8	3260B	Total/NA
Toluene -	0.29	J	1.0	0.19	ug/L	1	8	3260B	Total/NA
Client Sample ID: A0K060451-4						L	_ab	Sample	ID: 200-2452-
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D I	Method	Prep Type
lodomethane	0.26	J	1.0	0.18	ug/L	1	_ 8	3260B	Total/NA
1,2-Dichloroethene, Total	0.59	J	1.0	0.31	ug/L	1	8	3260B	Total/NA
cis-1,2-Dichloroethene	0.59	J	1.0	0.18	ug/L	1	8	3260B	Total/NA
Benzene	0.26	J	1.0	0.19	ug/L	1		3260B	Total/NA
Toluene 	0.27	J ·	1.0	0.19	ug/L	1	8	3260B	Total/NA
Client Sample ID: A0K060451-5							_ab	Sample	ID: 200-2452-
No Detections.									
Client Sample ID: A0K060451-6							_ab	Sample	D: 200-2452

Client Sample ID: A0K060451-	7					L	ab San	nple ID: 200	-2452-7
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	d Pre	р Туре
lodomethane	0.19	J	1.0	0.18	ug/L	1	8260B	Tota	al/NA

5.0

1.0

1.0

1.0

1.0

1.0

1.0

0.18 ug/L

0.13 ug/L

0.14 ug/L

0.31 ug/L

0.18 ug/L

0.19 ug/L

1.7 ug/L

4.9 J

0.24 J

0.22 JB

4.2

25

20

0.96 J

Total/NA

Total/NA

Total/NA

Total/NA Total/NA

Total/NA

Total/NA

8260B

8260B

8260B

8260B

8260B

8260B

8260B

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K0604	451-7 (Continued)				La	Lab Sample ID: 200-2452-			
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						L	Lab Sample ID: 200-2452-8				
– Analyte	Result Qu	ualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Acetone	2.2 J		5.0	1.7	ug/L		_	8260B	Total/NA		
Carbon disulfide	0.13 JE	В	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	ua/L	1		8260B	Total/NA		

Client Sample ID: A0K060451-9							_al	o Sample	e ID: 2	200-2452-9
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method		Prep Type
lodomethane	0.19	J	1.0	0.18	ug/L		_	8260B		Total/NA

Client Sample ID: A0K0604	ent Sample ID: A0K060451-10): 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		_	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: A0K0604	ent Sample ID: A0K060451-11							Sample II	D: 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		_	8260B	Total/NA
trans-1,2-Dichloroethene	0.50	J	1.0	0.14	ug/L	1		8260B	Totai/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: A0K0604	ent Sample ID: A0K060451-13							Sample II	D: 200-2452-13
 Analyte	Result (Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.80 J	l	1.0	0.34	ug/L	1	_	8260B	Total/NA
1,1-Dichloroethene	0.89 J	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 Job ID: 200-2452-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Meth	nod	Prep Type
cis-1,2-Dichloroethene	63		1.0	0.18	ug/L	1	8260)B	Total/NA
1,1,1-Trichloroethane	6.6		1.0	0.20	ug/L	1	8260	B	Total/NA
1,2-Dichloroethane	55		1.0	0.18	ug/L	1	8260)B	Total/NA
Trichloroethene	23		1.0	0.17	ug/L	1	8260)B	Total/NA
1,2-Dichloropropane	1.1		1.0	0.21	ug/L	1	8260	OB	Total/NA
lient Sample ID: A0K060)451-14					La	ıb Sar	nple II	D: 200-2452-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Meti	nod	Prep Type
cis-1,2-Dichloroethene	0.23	J	1.0	0.18	ug/L	1	8260)B	Total/NA
Tetrachloroethene	0.55	J	1.0	0.34	ug/L	1	8260)B	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Me	thod	Prep Type
Carbon disulfide	0.24	JB	1.0	0.13	ug/L	1	82	60B	Total/NA
Dibromomethane	0.26	J	1.0	0.21	ug/L	1	82	60B	Total/NA
trans-1,3-Dichloropropene	0.27	J	1.0	0.20	ug/L	1	82	60B	Total/NA
1,2,4-Trichlorobenzene	0.27	JB .	1.0	0.15	ug/L	1	82	60B	Total/NA
Naphthalene	0.29	JВ	1.0	0.15	ug/L	1	82	60B	Total/NA
1,2,3-Trichlorobenzene	0.22	JB	1.0	0.14	ug/L	1	82	60B	Total/NA

Client Sample ID: A0K0604	nt Sample ID: A0K060451-16								D: 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		_	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: A0K0604	ent Sample ID: A0K060451-17								D: 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: 200-2452-7								
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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060	ent Sample ID: A0K060451-18 (Continued)							Sample II	D: 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: A0K0604	ent Sample ID: A0K060451-19): 200-2452-19
	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	7.6	1.0	0.14	ug/L		_	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: A0K0604	ent Sample ID: A0K060451-20): 200-2452-20
– Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	17	2.0	0,68	ug/L		_	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: A0K060451-2	1					L	ab	Sample II	D: 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

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									
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac I) Method	Prep Type			
1,2-Dichloroethene, Total	0.31 J	1.0	0.31 ug/L		8260B	Total/NA			
cis-1,2-Dichloroethene	0.31 J	1.0	0.18 ug/L	1	8260B	Total/NA			

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.

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			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

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	JВ	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		_	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 Me	∍thod	Prep Type
trans-1,2-Dichloroethene	32		2.0	0.28	ug/L	2	82	60B	Total/NA
1,2-Dichloroethene, Total	53		2.0	0.62	ug/L	2	82	60B	Total/NA
1,1-Dichloroethane	0.79	J	2.0	0.36	ug/L	2	82	60B	Total/NA
cis-1,2-Dichloroethene	21		2.0	0.36	ug/L	2	82	60B	Total/NA
1,1,1-Trichloroethane	1.5	J	2.0	0.40	ug/L	2	82	60B	Total/NA
Trichloroethene	160		2.0	0.34	ug/L	2	82	60B	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

cis-1,2-Dichloroethene

1,1,1-Trichloroethane

Trichloroethene

TestAmerica Job ID: 200-2452-1

Total/NA

Total/NA

Total/NA

8260B

8260B

8260B

Client Sample ID: A0K060451-31 Lab Sample ID: 200-245									
Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	Method	Prep Type		
1,1-Dichloroethene	1.7	1.0	0.23	ug/L		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		

0.18 ug/L

0.20 ug/L

0.17 ug/L

Client Sample ID: A0K060451-32	Lab Sample ID: 200-2452-32

1.0

1.0

22

8.6

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 Qualifie	er 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

	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

1,2-Dichloroethane

TestAmerica Job ID: 200-2452-1

8260B

Total/NA

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	<u> </u>	8260B	Total/NA

5.0

1.0

0.18 ug/L

Client Sample ID: A0K060451-38				Lab Sample ID:	200-2452-38
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	4.4		1.0	0.14	ug/L		_	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			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 N	lethod	Prep Type
trans-1,2-Dichloroethene	2.7		1.0	0.14	ug/L	1	_ 8	260B	Total/NA
1,2-Dichloroethene, Total	11		1.0	0.31	ug/L	1	8	260B	Total/NA
1,1-Dichloroethane	0.84	J	1.0	0,18	ug/L	1	8	260B	Total/NA
cis-1,2-Dichloroethene	8.2		1.0	0.18	ug/L	1	8	260B	Total/NA
1,1,1-Trichloroethane	0.31	J	1.0	0.20	ug/L	1	8	260B	Total/NA
Trichloroethene	19		1.0	0.17	ug/L	1	8	260B	Total/NA

Client Sample ID: A0K060451-41 Lab Sample ID: 200-2452-41

	Result Qualifier	RL	MDL	Unit	Dil Fac	O 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

(Ç)

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 Date Received: 11/11/10 10:20

Matrix: Water

Analyte	ompounds (Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/13/10 10:58	
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 10:58	
Vinyl chloride	1.0	U	1.0	0.34	ug/L			11/13/10 10:58	
Bromomethane	1.0		1.0	0.29	ug/L			11/13/10 10:58	
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 10:58	
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 10:58	
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 10:58	
Iodomethane	0.28	J	1.0	0.18	ug/L		*	11/13/10 10:58	•
Carbon disulfide	0.18	JB	1.0	0.13	ug/L			11/13/10 10:58	
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 10:58	
trans-1,2-Dichloroethene	1.0	Ū	1.0	0.14	ug/L			11/13/10 10:58	
1,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 10:58	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	
1,1-Dichloroethane	1.0	υ	1,0		ug/L			11/13/10 10:58	
Vinyl acetate	1.0	U	1.0		ug/L			11/13/10 10:58	
2,2-Dichloropropane	1.0	U	1.0		ug/L			11/13/10 10:58	
cis-1,2-Dichloroethene	1.0		1.0		ug/L			11/13/10 10:58	
Methyl ethyl ketone (MEK)	5.0		5.0		ug/L			11/13/10 10:58	
Bromochloromethane	1.0		1.0		ug/L			11/13/10 10:58	
Tetrahydrofuran	14		14		ug/L			11/13/10 10:58	
Chloroform	1.0		1.0		ug/L			11/13/10 10:58	
1,1,1-Trichloroethane	1.0		1.0		ug/L			11/13/10 10:58	
1,1-Dichloropropene	1.0		1.0		ug/L			11/13/10 10:58	
Carbon tetrachloride	1.0		1.0		ug/L			11/13/10 10:58	
Benzene	0.20		1.0		ug/L			11/13/10 10:58	
1,2-Dichloroethane	1.0		1.0		ug/L			11/13/10 10:58	
Trichloroethene	1.0		1.0		ug/L			11/13/10 10:58	
Cyclohexane, methyl-	1.0		1.0		ug/L			11/13/10 10:58	
1,2-Dichloropropane	1.0		1.0		ug/L			11/13/10 10:58	
Dibromomethane	1,0		1.0	0.21				11/13/10 10:58	
Bromodichloromethane	1,0		1.0		ug/L			11/13/10 10:58	
2-Chloroethyl vinyl ether	1.0				ug/L			11/13/10 10:58	
cis-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 10:58	
4-Methyl-2-pentanone (MIBK)	5,0		5.0	0.74				11/13/10 10:58	
Toluene	0,42		1.0		ug/L			11/13/10 10:58	
trans-1,3-Dichloropropene	0.22		1.0		ug/L			11/13/10 10:58	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 10:58	
Tetrachloroethene	1.0		1.0		ug/L			11/13/10 10:58	
1,3-Dichloropropane	1.0		1.0					11/13/10 10:58	
2-Hexanone	5.0		5.0		ug/L ug/L			11/13/10 10:58	
2-nexanone Chlorodibromomethane	1.0								
					ug/L			11/13/10 10:58	
1,2-Dibromoethane	1.0		1.0	0.21	_			11/13/10 10:58	
Chlorobenzene	1.0		1.0		ug/L			11/13/10 10:58	
1,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 10:58	
Ethylbenzene	1.0		1.0		ug/L			11/13/10 10:58	
m&p-Xylene	1.0		1.0		ug/L			11/13/10 10:58	
o-Xylene Xylenes, Total	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	

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 Date Received: 11/11/10 10:20

Matrix: Water

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	
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/13/10 10:58	
1,1,2,2-Tetrachloroethane	1.0	Ŭ	1.0	0.22	ug/L			11/13/10 10:58	• • • • • • • • • • • • • • • • • • • •
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 10:58	
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 10:58	
1,3,5-Trimethylbenzene	1.0	U	1.0	0,22	ug/L			11/13/10 10:58	
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	
1,2,4-Trimethylbenzene	0.23	J	1.0	0.21	ug/L			11/13/10 10:58	•
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	•
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	•
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	•
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 10:58	•
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 10:58	• • • • •
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	•
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 10:58	•
1,2,4-Trichlorobenzene	0.20	JB	1.0	0.15	ug/L			11/13/10 10:58	
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 10:58	•
Naphthalene	0.34	JB	1.0	0.15	ug/L			11/13/10 10:58	•
1,2,3-Trichlorobenzene	0.20	JB	1.0	0.14	ug/L			11/13/10 10:58	•
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 10:58	•
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 10:58	
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 10:58	•
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 10:58	
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 10:58	1
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 10:58	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	108		80 - 115				<u></u>	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	7
1,2-Dichlorobenzene-d4	100		80 - 115					11/13/10 10:58	1

Client Sample ID: A0K060451-2

Date Collected: 11/02/10 12:50

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-2

Matrix: Water

Method: 8260B - Volatile Organi	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	Ū	1.0	0.23	ug/L			11/13/10 11:29	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-2

Matrix: Water

Client Sample ID: A0K060451-2

Date Collected: 11/02/10 12:50 Date Received: 11/11/10 10:20

ethod: 8260B - Volatile Organ	_							
nalyte		Qualifier	RL	MDL		D Prepared	Analyzed	Dil F
1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0		ug/L		11/13/10 11:29	,
etone	5.0		5.0	and the second	ug/L		11/13/10 11:29	
domethane	1.0		1.0		ug/L		11/13/10 11:29	
arbon disulfide	1.0		1.0		ug/L		11/13/10 11:29	
ethylene Chloride	1.0		1.0		ug/L		11/13/10 11:29	
ns-1,2-Dichloroethene	1.0		1.0		ug/L		11/13/10 11:29	
2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L		11/13/10 11:29	
ethyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L		11/13/10 11:29	
1-Dichloroethane	1.0	U	1.0	0.18	ug/L		11/13/10 11:29	
nyl acetate	1.0	U	1.0	0.26	ug/L		11/13/10 11:29	
2-Dichloropropane	1.0	U	1.0	0,23	ug/L		11/13/10 11:29	
-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L		11/13/10 11:29	
ethyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L		11/13/10 11:29	
omochloromethane	1.0	U	1.0	0.37	ug/L		11/13/10 11:29	
trahydrofuran	14	Ü	14	1.9	ug/L		11/13/10 11:29	
nloroform	1.0	U	1.0	0.20	ug/L		11/13/10 11:29	
1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L		11/13/10 11:29	
1-Dichloropropene	1.0	Ü	1.0	0.16	ug/L		11/13/10 11:29	
arbon tetrachloride	1.0	U	1.0		ug/L		11/13/10 11:29	
nzene	1.0		1.0		ug/L		11/13/10 11:29	
2-Dichloroethane	1.0		1.0		ug/L		11/13/10 11:29	
chloroethene	1.0		1.0	0.17	-		11/13/10 11:29	
clohexane, methyl-	1.0		1.0		ug/L		11/13/10 11:29	
2-Dichloropropane	1.0		1.0		ug/L		11/13/10 11:29	
promomethane	1.0		1.0		ug/L		11/13/10 11:29	
omodichloromethane	1.0		1.0		ug/L		11/13/10 11:29	
Chloroethyl vinyl ether	1.0		1.0		ug/L	, , ,	11/13/10 11:29	
	1.0		1.0		ug/L		11/13/10 11:29	
-1,3-Dichloropropene					_			
Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L		11/13/10 11:29	
luene	0.38		1.0		ug/L		11/13/10 11:29	
ns-1,3-Dichloropropene	1.0		1.0	0.20			11/13/10 11:29	
,2-Trichloroethane	1.0		1.0		ug/L		11/13/10 11:29	
trachloroethene	1.0		1.0		ug/L		11/13/10 11:29	
3-Dichloropropane	1.0		1.0	0.20	•		11/13/10 11:29	
lexanone	5.0		5.0		ug/L		11/13/10 11:29	
lorodibromomethane	1.0		1.0	0,27	ug/L		11/13/10 11:29	
-Dibromoethane	1.0	U	1.0	0,21	ug/L		11/13/10 11:29	
lorobenzene	1.0	U	1.0	0.18	ug/L		11/13/10 11:29	
,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L		11/13/10 11:29	
nylbenzene	1.0	U	1.0	0.18	ug/L		11/13/10 11:29	
kp-Xylene	1.0	U	1.0	0.40	ug/L		11/13/10 11:29	
(ylene	1.0	υ	1.0	0.20	ug/L		11/13/10 11:29	
lenes, Total	1.0	U	1.0	0.61	ug/L		11/13/10 11:29	
rrene	1.0	U	1.0	0.19	ug/L		11/13/10 11:29	
omoform	1.0	U	1.0	0.17	ug/L	•	11/13/10 11:29	
propylbenzene	1.0	U	1.0	0.22	ug/L		11/13/10 11:29	
omobenzene	1.0	U	1.0		ug/L		11/13/10 11:29	
1,2,2-Tetrachloroethane	1.0		1.0		ug/L		11/13/10 11:29	
2,3-Trichloropropane	1.0		1.0		ug/L		11/13/10 11:29	
Propylbenzene	1.0		1.0		ug/L		11/13/10 11:29	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-2

Matrix: Water

Client Sample ID: A0K060451-2 Date Collected: 11/02/10 12:50

Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued) MDL Unit Prepared Analyzed Dil Fac 2-Chlorotoluene 1.0 U 1.0 0.23 ug/L 11/13/10 11:29 1.0 U 4-Chlorotoluene 1.0 0.25 ug/L 11/13/10 11:29 1,3,5-Trimethylbenzene 1.0 U 1.0 0.22 ug/L 11/13/10 11:29 1.0 Ü 1.0 tert-Butylbenzene 0.23 ug/L 11/13/10 11:29 1,2,4-Trimethylbenzene 1.0 U 1.0 0.21 ug/L 11/13/10 11:29 sec-Butylbenzene 1.0 U 1.0 0.22 ug/L 11/13/10 11:29 1,3-Dichlorobenzene 1.0 U 1.0 0.19 ug/L 11/13/10 11:29 p-Isopropyltoluene 1,0 U 1.0 0.19 ua/L 11/13/10 11:29 1,4-Dichlorobenzene 1.0 U 1.0 0.17 ug/L 11/13/10 11:29 1,2-Dichlorobenzene 1.0 U 1.0 0.23 ug/L 11/13/10 11:29 n-Butylbenzene 1.0 U 1.0 0.19 11/13/10 11:29 ua/L 1,2-Dibromo-3-Chloropropane 1.0 U ug/L 1.0 0.33 11/13/10 11:29 1,2,4-Trichlorobenzene 1.0 U 1.0 0.15 11/13/10 11:29 Hexachlorobutadiene 1.0 U 1.0 0.21 ug/L 11/13/10 11:29 Naphthalene 1.0 U 1.0 0.15 ug/L 11/13/10 11:29 1,2,3-Trichlorobenzene 1.0 U 1.0 0.14 ug/L 11/13/10 11:29 Acrolein 5.0 U 5.0 1.6 ug/L 11/13/10 11:29 Acrylonitrile 1.0 U 1.0 ug/L 0.30 11/13/10 11:29 Ethyl methacrylate 1.0 Ü 1.0 0.19 11/13/10 11:29 ug/L Methyl methacrylate 1.0 U 1.0 0.22 11/13/10 11:29 ug/L trans-1,4-Dichloro-2-butene 1.0 1.0 0.26 ug/L 11/13/10 11:29 Tenatively Identified Compound Est. Result Qualifier Unit D RT CAS No. Prepared Analyzed Dil Fac Tentatively Identified Compound None ug/L 11/13/10 11:29 % Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 106 80 - 115 11/13/10 11:29 Toluene-d8 103 80 - 115 11/13/10 11:29

Client Sample ID: A0K060451-3

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Date Collected: 11/02/10 14:55

Bromofluorobenzene

1,2-Dichlorobenzene-d4

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-3

11/13/10 11:29

11/13/10 11:29

Matrix: Water

1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u>u ^ </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	ΰ	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
lodomethane	0.25	J	1.0	0.18	ug/L			11/13/10 12:01	1
Carbon disulfide	0.15	JB	1.0	0.13	ug/L			11/13/10 12:01	1
Methylene Chloride	1.0	υ	1.0	0.25	ug/L			11/13/10 12:01	1
trans-1,2-Dichloroethene	1.0	Ü	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

85 - 120

80 - 115

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-3

Matrix: Water

Client Sample ID: A0K060451-3

Date Collected: 11/02/10 14:55 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	tinued) RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Nethyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L		-	11/13/10 12:01	
,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 12:01	
/inyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 12:01	
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	
is-1,2-Dichloroethene	0.64	J	1.0	0.18	ug/L			11/13/10 12:01	
Methyl ethyl ketone (MEK)	5.0		5.0	1.0	ug/L			11/13/10 12:01	
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 12:01	
etrahydrofuran	14	U	14		ug/L			11/13/10 12:01	
Chloroform	1,0	U	1.0		ug/L			11/13/10 12:01	
.1,1-Trichloroethane	1,0	U	1.0		ug/L			11/13/10 12:01	
,1-Dichloropropene	1.0		1.0		ug/L			11/13/10 12:01	
Carbon tetrachloride	1.0		1.0		ug/L			11/13/10 12:01	
enzene	1.0		1.0		ug/L			11/13/10 12:01	
,2-Dichloroethane	18		1.0		ug/L			11/13/10 12:01	
richloroethene	1.0	U	1.0		ug/L			11/13/10 12:01	
Cyclohexane, methyl-	1.0		1.0		ug/L ug/L			11/13/10 12:01	
,2-Dichloropropane	1.0		1.0		ug/L ug/L			11/13/10 12:01	
)ibromomethane	1.0		1.0		ug/L			11/13/10 12:01	
romodichloromethane	1.0		1.0		-			11/13/10 12:01	
					ug/L			11/13/10 12:01	
-Chloroethyl vinyl ether	1.0		1.0		ug/L				
s-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 12:01	
-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/13/10 12:01	
oluene	0.29		1.0		ug/L			11/13/10 12:01	
ans-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 12:01	
,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 12:01	
etrachloroethene	1.0		1.0		ug/L			11/13/10 12:01	
,3-Dichloropropane	1.0		1.0		ug/L			11/13/10 12:01	
-Hexanone	5.0		5.0		ug/L			11/13/10 12:01	
Chlorodibromomethane	1.0		1.0		ug/L			11/13/10 12:01	
,2-Dibromoethane	1.0		1.0		ug/L			11/13/10 12:01	
Chlorobenzene	1.0		1.0	0.18	ug/L			11/13/10 12:01	
,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 12:01	
thylbenzene	1.0	U	1.0	0.18	ug/L		•	11/13/10 12:01	
n&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 12:01	
-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 12:01	
(ylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 12:01	
tyrene	1.0	U	1.0	0.19	ug/L			11/13/10 12:01	
romoform	1.0	U	1.0	0.17	ug/L			11/13/10 12:01	
sopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	
Bromobenzene	1.0	U	1.0	0,20	ug/L			11/13/10 12:01	
,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	
,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 12:01	
-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 12:01	
-Chlorotoluene	1.0		1.0		ug/L		• • • • • • • • • • • • • • • • • • • •	11/13/10 12:01	
-Chlorotoluene	1.0		1.0		ug/L			11/13/10 12:01	
,3,5-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 12:01	
ert-Butylbenzene	1.0		1.0		ug/L			11/13/10 12:01	
,2,4-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 12:01	
sec-Butylbenzene		ŭ	1.0		ug/L			11/13/10 12:01	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-4

Matrix: Water

Lab Sample ID: 200-2452-3

Matrix: Water

Client Sample ID: A0K060451-3

Date Collected: 11/02/10 14:55 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	M	DL	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
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS N	o.	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

Date Collected: 11/03/10 10:45

Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u>U v </u>	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	Ü	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	Ü	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	υ	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	υ	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	υ	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

11/19/2010

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Tetrahydrofuran	14		14	1.9			•	11/13/10 12:33	
Chloroform	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	
1,1-Dichloropropene	1.0	ບ ປ	1.0	0.16	ug/L			11/13/10 12:33	
Carbon tetrachloride	1.0	U	1.0		ug/L			11/13/10 12:33	
3enzene	0.26	J	1.0	0.19	ug/L			11/13/10 12:33	
1,2-Dichloroethane	1.0		1.0		ug/L			11/13/10 12:33	
Frichloroethene	1.0	U	1.0	0.17	-			11/13/10 12:33	
Cyclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 12:33	
,2-Dichloropropane	1.0	υ · · · · · · · · · · · · · ·	1.0	0.21	ug/L			11/13/10 12:33	
Dibromomethane	1.0	U	1.0	0.21				11/13/10 12:33	
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/13/10 12:33	
2-Chloroethyl vinyl ether	1.0	Ú	1.0	0.14	ug/L			11/13/10 12:33	
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			11/13/10 12:33	
1-Methyl-2-pentanone (MIBK)	5.0	U	5.0		ug/L			11/13/10 12:33	
Foluene	0.27		1.0	0.19				11/13/10 12:33	
trans-1,3-Dichloropropene	1.0		1.0	0.20	ug/L			11/13/10 12:33	
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			11/13/10 12:33	
Tetrachloroethene	1.0		1.0	0.34				11/13/10 12:33	
I,3-Dichloropropane		U	1.0	0.20	_			11/13/10 12:33	
2-Hexanone	5.0		5.0	0.82	•			11/13/10 12:33	
Chlorodibromomethane	. 1,0		1,0		ug/L			11/13/10 12:33	
,2-Dibromoethane	1.0		1,0		ug/L			11/13/10 12:33	
Chlorobenzene	1.0		1.0	0.18	-			11/13/10 12:33	
I,1,1,2-Tetrachloroethane	1.0		1.0	0.23				11/13/10 12:33	
Ethylbenzene	1.0		1.0	0.18				11/13/10 12:33	
n&p-Xylene	1.0		1,0	0.40				11/13/10 12:33	
-Xylene	1.0		1.0	0.20	-			11/13/10 12:33	
(ylenes, Total		U	1.0	0.61	-			11/13/10 12:33	
Styrene	1.0		1.0	0.19	_			11/13/10 12:33	
Bromoform	1.0		1.0	0.17				11/13/10 12:33	
sopropylbenzene	1.0		1.0	0.22	-			11/13/10 12:33	
Bromobenzene	1.0	_	1.0	0.20	-			11/13/10 12:33	
1,1,2,2-Tetrachloroethane	1.0		1.0	0.22			· · · · · · · · · · · · · · · · · · ·	11/13/10 12:33	
,2,3-Trichloropropane	1.0		1.0	0.24	-			11/13/10 12:33	
n-Propylbenzene	1.0		1.0		ug/L			11/13/10 12:33	
-Chlorotoluene	1.0		1.0		ug/L			11/13/10 12:33	
-Chlorotoluene	1.0		1.0		ug/L			11/13/10 12:33	
,3,5-Trimethylbenzene	1.0		1.0	0.23				11/13/10 12:33	
ert-Butylbenzene	1.0		1.0	0.22					
•	1.0							11/13/10 12:33 11/13/10 12:33	
i,2,4-Trimethylbenzene			1.0		ug/L				
ec-Butylbenzene	1.0		1.0		ug/L			11/13/10 12:33	
,3-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 12:33	
p-Isopropyltoluene	1.0		1.0		ug/L			11/13/10 12:33	
,4-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 12:33	
,2-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 12:33	
n-Butylbenzene	1.0		1.0		ug/L			11/13/10 12:33	
,2-Dibromo-3-Chloropropane	1.0		1.0		ug/L			11/13/10 12:33	
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 12:33	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-4

Matrix: Water

Client Sample ID: A0K060451-4 Date Collected: 11/03/10 10:45

Date Received: 11/11/10 10:20

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	Ų	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	υ	1.0	0.26	ug/L			11/13/10 12:33	1
Tenatively 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

Date Collected: 11/03/10 12:15

Lab Sample ID: 200-2452-5

Matrix: Water

Date Collected: 11/03/10 12:15

Date Received: 11/11/10 10:20

Analyte		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	Ü	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
lodomethane	1.0	υ	1.0	0.18	ug/L			11/13/10 13:05	1
Carbon disulfide	1.0	υ	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	Ú	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		1.0	0.18	ug/L			11/13/10 13:05	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-5

Matrix: Water

Client Sample ID: A0K060451-5

Date Collected: 11/03/10 12:15 Date Received: 11/11/10 10:20

nalyte	Result	Qualifier	RL	MDL	Unit	D Prepared	Analyzed	Dil F
richloroethene	1.0	U -	1.0	0.17			11/13/10 13:05	
cyclohexane, methyl-	1.0		1.0		ug/L		11/13/10 13:05	
,2-Dichloropropane	1.0	Ü	1.0		ug/L		11/13/10 13:05	
ibromomethane	1.0		1.0	0.21	_		11/13/10 13:05	
romodichloromethane	1.0		1.0	0.20	-		11/13/10 13:05	
-Chloroethyl vinyl ether	1.0		1.0		ug/L ug/L		11/13/10 13:05	
· · ·	1.0				_			
s-1,3-Dichloropropene			1.0	0.18	_		11/13/10 13:05	
Methyl-2-pentanone (MIBK)	5.0		5.0	0.74	=		11/13/10 13:05	
bluene	1.0		1.0	0.19			11/13/10 13:05	
ans-1,3-Dichloropropene	1.0	U	1.0	0.20			11/13/10 13:05	
1,2-Trichloroethane	1.0	. U	1.0	0.22			11/13/10 13:05	
etrachloroethene	1.0	U	1.0	0.34	_		11/13/10 13:05	
3-Dichloropropane	1.0		1.0	0.20	ug/L		11/13/10 13:05	
Hexanone	5.0		5.0	0.82			11/13/10 13:05	
hlorodibromomethane	1.0	U	1.0	0.27	ug/L		11/13/10 13:05	
2-Dibromoethane	1.0	U	1.0	0.21	ug/L		11/13/10 13:05	
hlorobenzene	1.0	U	1.0	0.18	ug/L		11/13/10 13:05	
1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L		11/13/10 13:05	
hylbenzene	1.0	U	1.0	0.18	ug/L		11/13/10 13:05	
&p-Xylene	1.0	U	1.0	0.40	ug/L		11/13/10 13:05	
Xylene	1.0	U	1.0	0.20	ug/L		11/13/10 13:05	
rlenes, Total	1.0	U	1.0	0.61	ug/L		11/13/10 13:05	
yrene	1.0	U	1.0	0.19	-		11/13/10 13:05	
omoform	1.0	U	1.0	0.17			11/13/10 13:05	
ppropylbenzene	1.0		1.0	0.22			11/13/10 13:05	
omobenzene	1.0		1.0	0.20			11/13/10 13:05	
1,2,2-Tetrachloroethane	1.0		1.0	0.22			11/13/10 13:05	
2,3-Trichloropropane	1.0	U	1.0		_		11/13/10 13:05	
		U		0.24				
Propylbenzene	1.0		1.0	0.22			11/13/10 13:05	
Chlorotoluene	1.0	U	1.0		ug/L		11/13/10 13:05	
Chlorotoluene	1.0		1.0	0.25	_		11/13/10 13:05	
3,5-Trimethylbenzene	1.0	U	1.0	0.22			11/13/10 13:05	
t-Butylbenzene	1.0		1.0	0.23			11/13/10 13:05	
2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L		11/13/10 13:05	
c-Butylbenzene	1.0	U	1.0	0.22	ug/L		11/13/10 13:05	
3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L		11/13/10 13:05	
IsopropyItoluene	1.0	U	1.0	0.19	ug/L		11/13/10 13:05	
4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L		11/13/10 13:05	
2-Dichlorobenzene	1.0	Ü	1.0	0.23	ug/L		11/13/10 13:05	
Butylbenzene	1.0	U	1.0	0.19	ug/L		11/13/10 13:05	
2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L		11/13/10 13:05	
2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L		11/13/10 13:05	
exachlorobutadiene	1.0		1.0	0.21	-		11/13/10 13:05	
aphthalene	1.0		1.0	0.15	-		11/13/10 13:05	
2,3-Trichlorobenzene	1.0		1.0		ug/L		11/13/10 13:05	
crolein	5.0		5.0		ug/L		11/13/10 13:05	
rylonitrile	1.0		1.0		ug/L ug/L		11/13/10 13:05	
hyl methacrylate	1.0	U	1.0	0.19	ug/L		11/13/10 13:05	
lethyl methacrylate	1.0	1.1	1.0	0.22	//		11/13/10 13:05	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-5

Matrix: Water

Client Sample ID: A0K060451-5

Date Collected: 11/03/10 12:15 Date Received: 11/11/10 10:20

Tenatively 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

Date Received: 11/11/10 10:20

 Oampio	ED. MOU-M-TOM-O	
	Matrix: Water	

Method: 8260B - Volatile Organic Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U^ -	1.0	0.38	ug/L		<u> </u>	11/13/10 13:37	
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
lodomethane	0.24	J	1.0	0.18	ug/L			11/13/10 13:37	1
Carbon disulfide	0.22	JB	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
Methy!-t-Butyl Ether (MTBE)	1.0	υ	1.0	0.21	ug/L			11/13/10 13:37	1
1,1-Dichloroethane	1.0	υ	1.0	0.18	ug/L			11/13/10 13:37	1
Vinyl acetate	1.0	υ	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	Ü	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	ti	1.0	0.19	ug/L			11/13/10 13:37	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-6 Lab Sample ID: 200-2452-6

Date Collected: 11/03/10 12:50 Date Received: 11/11/10 10:20

Matrix: Water

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	
1,1,2-Trichloroethane	1.0	U	1.0)	0.22	ug/L			11/13/10 13:37	
Tetrachloroethene	1.0	U	1.0)	0.34	ug/L			11/13/10 13:37	•
1,3-Dichloropropane	1.0	U	1.0)	0.20	ug/L			11/13/10 13:37	
2-Hexanone	5.0	U	5.0)	0.82	ug/L			11/13/10 13:37	
Chlorodibromomethane	1.0	Ü	1.0		0.27	ug/L			11/13/10 13:37	
1,2-Dibromoethane	1.0	U	1.0)	0.21	ug/L			11/13/10 13:37	
Chlorobenzene	1.0	U	1.0)	0.18	ug/L			11/13/10 13:37	
1,1,1,2-Tetrachloroethane	1.0	U	1.0)	0.23	ug/L			11/13/10 13:37	
Ethylbenzene	1.0	U	1.0)	0.18	ug/L			11/13/10 13:37	
m&p-Xylene	1.0	U	1.0)	0.40	ug/L			11/13/10 13:37	
o-Xylene	1.0	U	1.0		0.20	ug/L			11/13/10 13:37	
Xylenes, Total	1.0	U	1.0	h		ug/L			11/13/10 13:37	
Styrene	1.0	U	1.0	þ		ug/L			11/13/10 13:37	
Bromoform	1.0		1.0	. <i></i>		ug/L			11/13/10 13:37	
Isopropylbenzene	1.0		1.0			ug/L			11/13/10 13:37	
Bromobenzene	1,0	U	1.0			ug/L			11/13/10 13:37	
1,1,2,2-Tetrachloroethane	1.0	Ü	1.0			ug/L			11/13/10 13:37	
1,2,3-Trichloropropane		U	1.0			ug/L			11/13/10 13:37	
n-Propylbenzene		U	1.0			ug/L			11/13/10 13:37	
2-Chlorotoluene	1.0	U	1.0			ug/L			11/13/10 13:37	
4-Chlorotoluene	1.0	U	1.0			-			11/13/10 13:37	,
1,3,5-Trimethylbenzene	1.0		1.0			ug/L			11/13/10 13:37	,
tert-Butylbenzene	1.0		1.0			ug/L			11/13/10 13:37	
1,2,4-Trimethylbenzene	1.0		1.0		0.21				11/13/10 13:37	1
sec-Butylbenzene	1.0		1.0			ug/L			11/13/10 13:37	1
1,3-Dichlorobenzene		Ū	1.0			ug/L			11/13/10 13:37	
p-Isopropyltoluene		U	1.0		0.19	ug/L			11/13/10 13:37	
1,4-Dichlorobenzene		U	1.0		0.17	_			11/13/10 13:37	
1,2-Dichlorobenzene		U	1.0			_			11/13/10 13:37	
n-Butylbenzene	1.0	U	1.0		0.19	_			11/13/10 13:37	1
1,2-Dibromo-3-Chloropropane	1.0		1.0			ug/L			11/13/10 13:37	1
1,2,4-Trichlorobenzene	1.0		1.0			ug/L			11/13/10 13:37	
Hexachlorobutadiene	1.0		1.0		0.13				11/13/10 13:37	1
Naphthalene	1.0		1.0			-				
1,2,3-Trichlorobenzene	1.0					ug/L			11/13/10 13:37	
Acrolein	5.0		1.0 5.0			ug/L			11/13/10 13:37	1
Acrylonitrile	1.0					ug/L			11/13/10 13:37	1
Ethyl methacrylate			1.0			ug/L			11/13/10 13:37	1
Methyl methacrylate	1.0 1.0		1.0			ug/L			11/13/10 13:37	1
trans-1,4-Dichloro-2-butene	1.0		1.0 1.0			ug/L ug/L			11/13/10 13:37 11/13/10 13:37	1
Tenatively Identified Compound	Est. Result		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	
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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-7

Matrix: Water

Client Sample ID: A0K060451-7

Date Collected: 11/03/10 14:10 Date Received: 11/11/10 10:20

lethod: 8260B - Volatile Organic C			DI.			_			54.5
nalyte	Result (RL —	MDL		<u>D</u> _	Prepared	Analyzed	Dil F
vichlorodifluoromethane		-	1.0		ug/L			11/13/10 14:09	
hloromethane	1.0 (1.0	0.28	_			11/13/10 14:09	
inyl chloride	1.0 \		1.0		ug/L			11/13/10 14:09	
romomethane	1.0 \		1.0		ug/L			11/13/10 14:09	
hloroethane	1.0 (1.0	0.39	-			11/13/10 14:09	
richlorofluoromethane	1.0 \		1.0	0.36	-			11/13/10 14:09	
1-Dichloroethene	1.0 \		1.0	0.23	-			11/13/10 14:09	
1,2-Trichloro-1,2,2-trifluoroethane	1.0 (1.0	0.20	_			11/13/10 14:09	
cetone	5.0 (J 	5.0		ug/L			11/13/10 14:09	
domethane	0.19	J	1.0	0.18	ug/L			11/13/10 14:09	
arbon disulfide	1.0 (J	1.0	0.13	ug/L			11/13/10 14:09	
ethylene Chloride	1.0	J	1.0	0.25	ug/L			11/13/10 14:09	
ans-1,2-Dichloroethene	2.4		1.0	0.14	ug/L			11/13/10 14:09	
2-Dichloroethene, Total	8.6		1.0	0.31	ug/L			11/13/10 14:09	
ethyl-t-Butyl Ether (MTBE)	1.0 (J	1.0	0.21	ug/L			11/13/10 14:09	
1-Dichloroethane	1.0 \	j · · · · · · · · · · · · · · · · · ·	1.0	0.18	ug/L			11/13/10 14:09	
nyl acetate	1.0 \	J	1.0	0.26	ug/L			11/13/10 14:09	
2-Dichloropropane	1.0	J	1.0	0.23	ug/L			11/13/10 14:09	
s-1,2-Dichloroethene	6.2		1.0	0.18	ug/L			11/13/10 14:09	
ethyl ethyl ketone (MEK)	5,0 (ز	5.0		ug/L			11/13/10 14:09	
romochloromethane	1.0 (1.0		ug/L			11/13/10 14:09	
etrahydrofuran	14 (14		ug/L			11/13/10 14:09	
hloroform		J	1.0		ug/L ug/L			11/13/10 14:09	
	1.0 \		1.0		_			11/13/10 14:09	
1,1-Trichloroethane	1.0 \				ug/L			11/13/10 14:09	
1-Dichloropropene			1.0		ug/L				
arbon tetrachloride	1.0 (1.0		ug/L			11/13/10 14:09	
enzene	1.0 (1.0	0.19	-			11/13/10 14:09	
2-Dichloroethane	1.0	J	1.0	0.18	-			11/13/10 14:09	
richloroethene	2.9		1.0	0.17	-			11/13/10 14:09	
yclohexane, methyl-	1.0		1.0	0.16	ug/L			11/13/10 14:09	
2-Dichloropropane	1.0	J	1.0	0.21	ug/L			11/13/10 14:09	
ibromomethane	1.0	J	1.0	0.21	ug/L			11/13/10 14:09	
romodichloromethane	1.0	J	1.0	0.20	ug/L			11/13/10 14:09	
Chloroethyl vinyl ether	1.0	j	1.0	0.14	ug/L			11/13/10 14:09	
s-1,3-Dichloropropene	1.0	J	1.0	0.18	ug/L			11/13/10 14:09	
-Methyl-2-pentanone (MIBK)	5.0	J	5.0	0.74	ug/L			11/13/10 14:09	
oluene	1.0	J	1.0	0.19	ug/L			11/13/10 14:09	
ans-1,3-Dichloropropene	1.0	J	1.0	0.20	ug/L			11/13/10 14:09	
1,2-Trichloroethane	1.0	J	1.0	0.22	ug/L			11/13/10 14:09	
etrachloroethene	1.0	j	1.0	0.34	ug/L			11/13/10 14:09	
3-Dichloropropane	1.0	IJ	1.0	0.20	ug/L			11/13/10 14:09	
Hexanone	5.0		5.0		ug/L			11/13/10 14:09	
hlorodibromomethane	1.0		1,0		ug/L			11/13/10 14:09	
2-Dibromoethane	1.0		1.0		ug/L			11/13/10 14:09	
hlorobenzene	1.0		1.0		ug/L			11/13/10 14:09	
	1.0							11/13/10 14:09	
1,1,2-Tetrachloroethane			1.0		ug/L			11/13/10 14:09	
thylbenzene	1.0		1.0		ug/L				
&p-Xylene	1.0		1.0		ug/L			11/13/10 14:09	
-Xylene ylenes, Total	1.0 · · · · · · · · · · · · · · · · · · ·		1.0	0.20	ug/L			11/13/10 14:09	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-7

Matrix: Water

Client Sample ID: A0K060451-7

Date Collected: 11/03/10 14:10 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	Ū	1.0	0.19	ug/L			11/13/10 14:09	
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	Ū	1.0	0.22	ug/L			11/13/10 14:09	
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	
2-Chlorotoluene	1.0	Ü	1.0	0.23	ug/L			11/13/10 14:09	
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 14:09	
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	
tert-Butylbenzene	1.0	Ü	1.0	0.23	ug/L			11/13/10 14:09	• • • • • • •
1,2,4-Trimethylbenzene	1,0	U	1.0	0.21	ug/L			11/13/10 14:09	•
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	•
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 14:09	
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 14:09	•
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 14:09	
1,2,4-Trichlorobenzene	1.0	υ	1.0	0.15	ug/L			11/13/10 14:09	
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 14:09	•
Naphthalene	1.0	U	1.0	0.15	ug/L			11/13/10 14:09	•
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/13/10 14:09	•
Acrolein	5.0	U	5.0	1.6	ug/L			11/13/10 14:09	•
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/13/10 14:09	
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 14:09	•
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 14:09	•
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 14:09	•
Tenatively 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	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		80 - 115					11/13/10 14:09	
Toluene-d8	104		80 - 115					11/13/10 14:09	
Bromofluorobenzene	99		85 - 120					11/13/10 14:09	
1,2-Dichlorobenzene-d4	95		80 - 115					11/13/10 14:09	

Client Sample ID: A0K060451-8

Date Collected: 11/03/10 00:00

Date Received: 11/11/10 10:20

Lab	Sampi	e ID:	200-2452-8	
			Matrix: Water	

Method: 8260B - Volatile Organic C	ompounds ((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 14:41	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	Ū	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-8

Matrix: Water

Client Sample ID: A0K060451-8

Date Collected: 11/03/10 00:00 Date Received: 11/11/10 10:20

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U -	1.0	0.20	ug/L			11/13/10 14:41	
Acetone	2.2	J	5.0	1.7	ug/L			11/13/10 14:41	
lodomethane	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	
Carbon disulfide	0.13	JB	1.0	0.13	ug/L			11/13/10 14:41	
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 14:41	
rans-1,2-Dichloroethene	1.0	Ü	1.0	0.14	ug/L			11/13/10 14:41	
1,2-Dichloroethene, Total	0.66	J	1.0	0.31	ug/L			11/13/10 14:41	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	
1,1-Dichloroethane	1.0	υ	1.0	0.18	ug/L			11/13/10 14:41	
√inyl acetate	1.0	υ	1.0	0.26	ug/L			11/13/10 14:41	
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	
cis-1,2-Dichloroethene	0.66	J	1.0		ug/L			11/13/10 14:41	
Methyl ethyl ketone (MEK)	5.0		5.0		ug/L			11/13/10 14:41	
Bromochloromethane	1.0		1.0		ug/L			11/13/10 14:41	
Tetrahydrofuran	14		14		ug/L			11/13/10 14:41	
Chloroform	1.0		1.0		ug/L			11/13/10 14:41	
1,1,1-Trichloroethane	1.0		1.0		ug/L			11/13/10 14:41	
1,1-Dichloropropene	1,0		1.0		ug/L	,		11/13/10 14:41	
Carbon tetrachloride	1.0		1.0		ug/L			11/13/10 14:41	
Senzene	0.25		1.0		ug/L			11/13/10 14:41	
,2-Dichloroethane	1.0		1.0		ug/L			11/13/10 14:41	
richloroethene	1.0		1.0		ug/L			11/13/10 14:41	
	1.0		1.0		-			11/13/10 14:41	
Cyclohexane, methyl-					ug/L			11/13/10 14:41	
,2-Dichloropropane	1.0		1.0		ug/L				
Dibromomethane	1.0		1.0		ug/L			11/13/10 14:41	
Bromodichioromethane	1.0		1.0		ug/L			11/13/10 14:41	
2-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/13/10 14:41	
cis-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 14:41	
4-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/13/10 14:41	
Toluene	0.32		1.0		ug/L			11/13/10 14:41	
rans-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 14:41	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 14:41	
Tetrachloroethene	1.0		1.0	,	ug/L			11/13/10 14:41	
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	
2-Hexanone	5.0	U	5.0		ug/L			11/13/10 14:41	
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 14:41	
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 14:41	
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/13/10 14:41	
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 14:41	
n&p-Xylene	1.0	U	1.0	0.40	ug/L			11/13/10 14:41	
o-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 14:41	
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 14:41	
Styrene	1.0	U	1.0	0.19	ug/L			11/13/10 14:41	
Bromoform	1.0	U .	1.0	0.17	ug/L			11/13/10 14:41	
sopropylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 14:41	
Bromobenzene	1.0	U	1.0		ug/L			11/13/10 14:41	
1,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 14:41	
1,2,3-Trichloropropane	1.0		1.0		ug/L			11/13/10 14:41	
n-Propylbenzene	1.0		1.0		ug/L			11/13/10 14:41	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-8

Matrix: Water

Client Sample ID: A0K060451-8

Date Collected: 11/03/10 00:00 Date Received: 11/11/10 10:20

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	Ü	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-isopropyitoluene	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	Ū	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	Ú	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
Tenatively 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

Date Collected: 11/04/10 00:00

Date Received: 11/11/10 10:20

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	Ü	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	Ü	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
lodomethane	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 11/19/2010

Lab Sample ID: 200-2452-9

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-9

Matrix: Water

Client Sample ID: A0K060451-9

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	
/inyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 15:13	
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 15:13	
sis-1,2-Dichloroethene	1.0	Ü	1.0	0.18	ug/L			11/13/10 15:13	
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 15:13	
Bromochloromethane	1.0	U	1.0		ug/L			11/13/10 15:13	
-etrahydrofuran	14		14		ug/L			11/13/10 15:13	
Chloroform	1.0		1.0		ug/L			11/13/10 15:13	
,1,1-Trichloroethane	1.0		1.0	0.20	-			11/13/10 15:13	
,1-Dichloropropene	1.0		1.0	0.16				11/13/10 15:13	
Carbon tetrachloride	1.0		1.0		ug/L			11/13/10 15:13	
denzene	1.0	U	1.0		ug/L			11/13/10 15:13	
,2-Dichloroethane	1.0	U	1.0		ug/L			11/13/10 15:13	
	1.0		1.0	0.17	•			11/13/10 15:13	
richloroethene	1.0				-				
Cyclohexane, methyl-			1.0		ug/L			11/13/10 15:13	
,2-Dichloropropane	1.0	U	1.0		ug/L			11/13/10 15:13	
Dibromomethane	1.0		1.0		ug/L			11/13/10 15:13	
romodichloromethane	1.0		1.0		ug/L			11/13/10 15:13	
-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/13/10 15:13	
is-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 15:13	
-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/13/10 15:13	
oluene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	
ans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	
,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	
etrachloroethene	1.0	U	1.0	0.34	ug/L			11/13/10 15:13	
,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	
-Hexanone	5.0	U	5.0	0.82	ug/L			11/13/10 15:13	
hlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/13/10 15:13	
,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/13/10 15:13	
hlorobenzene	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	
,1,1,2-Tetrachloroethane	1.0	υ	1,0	0.23	ug/L			11/13/10 15:13	
thylbenzene	1.0	U	1.0	0.18	ug/L			11/13/10 15:13	
n&p-Xylene	1.0	U ·	1.0	0.40	ug/L			11/13/10 15:13	
-Xylene	1.0	U	1.0	0.20	ug/L			11/13/10 15:13	
(ylenes, Total	1.0	U	1.0	0.61	ug/L			11/13/10 15:13	
tyrene	1.0	U	1.0	0.19	ug/L			11/13/10 15:13	
romoform	1.0	Ü	1.0		ug/L			11/13/10 15:13	
sopropylbenzene	1.0		1.0		ug/L			11/13/10 15:13	
romobenzene	1.0		1.0		ug/L			11/13/10 15:13	
,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 15:13	
,2,3-Trichloropropane	1.0		1.0		ug/L			11/13/10 15:13	
-Propylbenzene	1.0		1.0		ug/L			11/13/10 15:13	
-Chlorotoluene					ug/L ug/L			11/13/10 15:13	
	1.0		1.0					11/13/10 15:13	
-Chlorotoluene	1.0		1.0		ug/L				
,3,5-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 15:13	
ert-Butylbenzene	1.0		1.0		ug/L			11/13/10 15:13	
I,2,4-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 15:13	
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 15:13	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-9

Lab Sample ID: 200-2452-10

Matrix: Water

Matrix: Water

Client Sample ID: A0K060451-9

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

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
Tenatively 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
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

Date Collected: 11/03/10 16:10

Date Received: 11/11/10 10:20

Bromochloromethane

Method: 8260B - Volatile Organic (Analyte	•	Qualifier	RL	MDL	Ilnit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0			<u> </u>	1 Tepareu	11/13/10 15:45	
					ug/L				
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	Ū	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	υ	5.0	1.0	ug/L			11/13/10 15:45	1

11/13/10 15:45

1.0

0.37 ug/L

1.0 U

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-10

Matrix: Water

Client Sample ID: A0K060451-10

Date Collected: 11/03/10 16:10 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Tetrahydrofuran	14		14	1.9	ug/L		, p	11/13/10 15:45	
Chloroform	1.0	U	1.0	0.20	-			11/13/10 15:45	
1.1.1-Trichloroethane	1.0		1.0		ug/L			11/13/10 15:45	
1,1-Dichloropropene	1.0		1.0	0.16				11/13/10 15:45	
Carbon tetrachloride	1.0	U	1.0	0.20	_			11/13/10 15:45	
Benzene	1.0	_	1.0	0.19	_			11/13/10 15:45	
1,2-Dichloroethane	52	_	1.0	0.18	-			11/13/10 15:45	
Trichloroethene	0.59	J	1.0	0.17	-			11/13/10 15:45	
Cyclohexane, methyl-	1.0		1.0	0.16				11/13/10 15:45	
1,2-Dichloropropane	1.0	Ū	1.0	0.21				11/13/10 15:45	
Dibromomethane	1.0		1.0	0.21	_			11/13/10 15:45	
Bromodichloromethane	1.0		1.0	0.20	-			11/13/10 15:45	
2-Chloroethyl vinyl ether	1.0		1.0	0.14				11/13/10 15:45	
cis-1,3-Dichloropropene	1.0		1.0	0.18	-			11/13/10 15:45	
I-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/13/10 15:45	
oluene	1,0		1.0		ug/L			11/13/10 15:45	
rans-1,3-Dichloropropene	1.0		1.0	0.20			•	11/13/10 15:45	
,1,2-Trichloroethane	1.0		1.0	0.22	-			11/13/10 15:45	
etrachioroethene	1.0		1.0	0.34				11/13/10 15:45	
,3-Dichloropropane	1.0		1.0	0.20				11/13/10 15:45	
-Hexanone	5.0		5.0		ug/L ug/L			11/13/10 15:45	
Chlorodibromomethane	1.0		1.0		ug/L			11/13/10 15:45	
,2-Dibromoethane	1.0		1.0		ug/L			11/13/10 15:45	
Chlorobenzene	1.0		1.0		ug/L			11/13/10 15:45	
,1,1,2-Tetrachloroethane	1,0		1.0		ug/L ug/L			11/13/10 15:45	
ithylbenzene		U	1.0		ug/L			11/13/10 15:45	
n&p-Xylene	1.0	U	1.0	0.40	-			11/13/10 15:45	
-Xylene	1.0		1.0	0.20	-			11/13/10 15:45	
Cylenes, Total	1.0		1.0	0.61	-			11/13/10 15:45	
Styrenes, rotal		U	1.0		ug/L ug/L			11/13/10 15:45	
Bromoform	1.0	U	1.0		ug/L			11/13/10 15:45	
sopropylbenzene	1.0	U	1.0		ug/L			11/13/10 15:45	
Bromobenzene	1.0		1.0		ug/L			11/13/10 15:45	
1,1,2,2-Tetrachloroethane	1.0				ug/L ug/L			11/13/10 15:45	
1,2,3-Trichloropropane	1.0		1.0 1.0		ug/L ug/L			11/13/10 15:45	
n-Propylbenzene	1.0		1.0		ug/L ug/L			11/13/10 15:45	
2-Chlorotoluene	1.0		1.0		ug/L ug/L			11/13/10 15:45	
-Chlorotoluene	1.0				-				
			1.0		ug/L			11/13/10 15:45	
i,3,5-Trimethylbenzene	1.0 1.0		1.0		ug/L			11/13/10 15:45	
ert-Butylbenzene			1.0		ug/L			11/13/10 15:45	
,2,4-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 15:45	
ec-Butylbenzene	1.0		1.0		ug/L			11/13/10 15:45	
,3-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 15:45	
o-Isopropyltoluene	1.0		1.0		ug/L			11/13/10 15:45	
I,4-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 15:45	
1,2-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 15:45	
n-Butylbenzene	1.0		1.0		ug/L			11/13/10 15:45	
1,2-Dibromo-3-Chloropropane	1.0		1.0		ug/L			11/13/10 15:45	
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 15:45	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-10

Matrix: Water

Client Sample ID: A0K060451-10

Date Collected: 11/03/10 16:10 Date Received: 11/11/10 10:20

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
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/13/10 15:45	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	86		80 - 115			_		11/13/10 15:45	1
Toluene-d8	106		80 - 115					11/13/10 15:45	1
Bromofluorobenzene	99		85 - 120					11/13/10 15:45	1
1.2-Dichlorobenzene-d4	93		80 - 115					11/13/10 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	Ď	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u>u ^</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	Ü	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	Ŭ	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
lodomethane	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
Bromochioromethane	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-11

Matrix: Water

Client Sample ID: A0K060451-11

Date Collected: 11/03/10 16:30 Date Received: 11/11/10 10:20

llyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
hloroethene	1.0		1.0	0.17	ug/L		•	11/13/10 16:17	
lohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/13/10 16:17	
Dichloropropane	1.0	$\dot{\mathbf{U}}$	1.0		ug/L			11/13/10 16:17	•
romomethane	1.0		1.0	0.21	ug/L			11/13/10 16:17	
modichloromethane	1.0		1.0	0.20	-			11/13/10 16:17	
hloroethyl vinyl ether	1.0		1.0		ug/L			11/13/10 16:17	
1,3-Dichloropropene	1.0		1.0	0.18				11/13/10 16:17	
ethyl-2-pentanone (MIBK)	5.0		5.0	0.74				11/13/10 16:17	
iene		U	1.0	0.19				11/13/10 16:17	
s-1,3-Dichloropropene	1.0		1.0	0.20	-			11/13/10 16:17	
2-Trichloroethane	1.0		1.0		ug/L			11/13/10 16:17	
achioroethene		Ü	1.0	0.34				11/13/10 16:17	
Dichloropropane	1.0		1.0		ug/L			11/13/10 16:17	
exanone	5.0		5.0		ug/L			11/13/10 16:17	
prodibromomethane	1.0		1.0		ug/L			11/13/10 16:17	
Dibromoethane	1.0		1.0	0.21	-			11/13/10 16:17	
probenzene	1.0	_	1.0	0.18	-			11/13/10 16:17	
	1.0								
1,2-Tetrachloroethane			1.0		ug/L			11/13/10 16:17	
ylbenzene	1.0		1.0	0.18	-			11/13/10 16:17	
p-Xylene		U	1.0		ug/L			11/13/10 16:17	
ylene 	1.0		1.0	0.20	•			11/13/10 16:17	
enes, Total	1.0		1.0	0.61	ug/L			11/13/10 16:17	
ene	1.0		1.0		ug/L			11/13/10 16:17	
moform	1.0		1.0		ug/L			11/13/10 16:17	
propylbenzene	1.0		1.0		ug/L			11/13/10 16:17	
nobenzene	1.0		1.0		ug/L			11/13/10 16:17	
2,2-Tetrachloroethane	1.0		1.0	0.22				11/13/10 16:17	
3-Trichloropropane	1.0		1.0		ug/L			11/13/10 16:17	
ropylbenzene		U	1.0		ug/L			11/13/10 16:17	
hlorotoluene	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	
hlorotoluene	1.0	U	1.0	0.25	ug/L			11/13/10 16:17	
5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	
Butylbenzene	1.0	U	1.0	0,23	ug/L			11/13/10 16:17	
4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	
-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/13/10 16:17	
Dichlorobenzene	1.0	Ü	1.0	0.19	ug/L		,	11/13/10 16:17	
opropyltoluene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	
Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/13/10 16:17	
Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/13/10 16:17	
utylbenzene	1.0	U	1.0	0.19	ug/L			11/13/10 16:17	
Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/13/10 16:17	
4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/13/10 16:17	
achlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 16:17	
hthalene	1.0	U	1.0		ug/L			11/13/10 16:17	
3-Trichlorobenzene	1.0		1.0		ug/L			11/13/10 16:17	
olein	5.0		5.0		ug/L			11/13/10 16:17	
ylonitrile	1.0		1.0		ug/L			11/13/10 16:17	
yl methacrylate	1.0		1.0		ug/L			11/13/10 16:17	
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Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-11

Matrix: Water

Client Sample ID: A0K060451-11

Date Collected: 11/03/10 16:30 Date Received: 11/11/10 10:20

Tenatively 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

Lab Sample ID: 200-2452-12 Client Sample ID: A0K060451-12 Date Collected: 11/04/10 07:56 Matrix: Water

Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u>u ^ </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	Ü	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	Ü	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
lodomethane	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	Ü	1.0	0.18	ug/L			11/13/10 16:49	1
Vinvl acetate	1.0	U	1.0	0.26	ua/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
lodomethane	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
Bromochioromethane	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
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Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-12

Matrix: Water

Client Sample ID: A0K060451-12

Date Collected: 11/04/10 07:56 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organ ^{Analyte}	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
rans-1,3-Dichloropropene	1.0	U	1.0	0.20			Troparou	11/13/10 16:49	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 16:49	
Fetrachloroethene	1,0		1.0		ug/L			11/13/10 16:49	
,3-Dichloropropane	1.0		1.0		ug/L			11/13/10 16:49	
-Hexanone	5.0		5.0		ug/L			11/13/10 16:49	
Chlorodibromomethane	1.0		1.0		ug/L			11/13/10 16:49	
,2-Dibromoethane	1.0		1.0	0.21				11/13/10 16:49	
thlorobenzene	1.0		1.0		ug/L			11/13/10 16:49	
1,1,2-Tetrachioroethane	1.0		1.0		ug/L			11/13/10 16:49	
thylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
&p-Xylene	1.0		1.0		ug/L ug/L			11/13/10 16:49	
-Xylene	1.0		1.0		ug/L ug/L			11/13/10 16:49	
ylenes, Total	1.0		1.0		ug/L ug/L			11/13/10 16:49	
tyrene	1.0		1.0		ug/L ug/L			11/13/10 16:49	
romoform	1.0		1.0		ug/L ug/L			<i></i>	
opropylbenzene	1.0		1.0		-			11/13/10 16:49	
romobenzene	1.0		1.0		ug/L			11/13/10 16:49	
1,2,2-Tetrachloroethane					ug/L			11/13/10 16:49	
	1.0		1.0		ug/L			11/13/10 16:49	
2,3-Trichloropropane	1.0		1.0		ug/L			11/13/10 16:49	
Propylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
Chlorotoluene	1.0		1.0		ug/L			11/13/10 16:49	
Chlorotoluene	1.0		1.0		ug/L			11/13/10 16:49	
3,5-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
rt-Butylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
2,4-Trimethylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
ec-Butylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
3-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 16:49	
Isopropyltoluene	1.0		1.0		ug/L			11/13/10 16:49	
4-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 16:49	
2-Dichlorobenzene	1.0		1.0		ug/L			11/13/10 16:49	
-Butylbenzene	1.0		1.0		ug/L			11/13/10 16:49	
2-Dibromo-3-Chloropropane	1.0		1.0		ug/L			11/13/10 16:49	
2,4-Trichlorobenzene	1.0		1.0	0.15	ug/L			11/13/10 16:49	
exachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/13/10 16:49	
aphthalene	1.0		1.0	0.15	ug/L			11/13/10 16:49	
2,3-Trichlorobenzene	1.0	U	1.0		ug/L			11/13/10 16:49	
crolein	5.0	U	5.0	1.6	ug/L			11/13/10 16:49	
crylonitrile	1.0	U	1.0		ug/L			11/13/10 16:49	
thyl methacrylate	1.0	U	1.0	0.19	ug/L			11/13/10 16:49	
lethyl methacrylate	1.0	U	1.0	0.22	ug/L			11/13/10 16:49	
ans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/13/10 16:49	
enatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil F
entatively Identified Compound	None		ug/L					11/13/10 16:49	
urrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
,2-Dichloroethane-d4	105		80 - 115					11/13/10 16:49	
oluene-d8	102		80 - 115					11/13/10 16:49	
romofluorobenzene	100		85 - 120					11/13/10 16:49	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-13

Matrix: Water

Client Sample ID: A0K060451-13

Date Collected: 11/04/10 08:35 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic (Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0,38	ug/L			11/13/10 17:21	
Chloromethane	1.0	U	1.0	0.28	ug/L			11/13/10 17:21	
Vinyl chloride	0.80	J	1.0	0.34	ug/L			11/13/10 17:21	
Bromomethane	1.0	Ü	1.0	0.29	ug/L			11/13/10 17:21	· · · · · · · · · ·
Chloroethane	1.0	U	1.0	0.39	ug/L			11/13/10 17:21	
Trichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/13/10 17:21	
1,1-Dichloroethene	0.89	J	1.0	0.23	ug/L			11/13/10 17:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:21	
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 17:21	
lodomethane	1.0	Ü	1.0	0.18	ug/L			11/13/10 17:21	•
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 17:21	
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 17:21	
trans-1,2-Dichloroethene	4.0		1.0	0.14	ug/L			11/13/10 17:21	
1,2-Dichloroethene, Total	67		1.0	0.31	ug/L			11/13/10 17:21	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 17:21	
1,1-Dichloroethane	9.8		1.0	0.18	ug/L			11/13/10 17:21	
Vinyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 17:21	
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 17:21	
cis-1,2-Dichloroethene	63		1.0		ug/L			11/13/10 17:21	
Methyl ethyl ketone (MEK)	5.0	U	5.0		ug/L			11/13/10 17:21	
Bromochloromethane	1.0		1.0		ug/L			11/13/10 17:21	
Tetrahydrofuran	14		14		ug/L	* * * * * * * * * *		11/13/10 17:21	
Chloroform	1.0		1.0		ug/L			11/13/10 17:21	
1,1,1-Trichloroethane	6.6		1.0		ug/L			11/13/10 17:21	
1,1-Dichloropropene	1.0		1.0		ug/L			11/13/10 17:21	
Carbon tetrachloride	1.0		1.0		ug/L			11/13/10 17:21	
Benzene	1.0		1.0		ug/L			11/13/10 17:21	
1,2-Dichloroethane	55		1.0		ug/L			11/13/10 17:21	
Trichloroethene	23		1.0		ug/L			11/13/10 17:21	
Cyclohexane, methyl-	1.0	U	1.0		ug/L			11/13/10 17:21	
1,2-Dichloropropane	1,1		1.0		ug/L			11/13/10 17:21	
Dibromomethane	1.0	П	1.0		ug/L			11/13/10 17:21	
Bromodichloromethane	1.0		1.0		ug/L			11/13/10 17:21	
2-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/13/10 17:21	
cis-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 17:21	
4-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/13/10 17:21	
Toluene	1.0		1.0		ug/L			11/13/10 17:21	,
trans-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 17:21	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 17:21	
Tetrachloroethene	1.0		1.0		ug/L			11/13/10 17:21	
1,3-Dichloropropane	1.0		1.0		ug/L			11/13/10 17:21	
2-Hexanone	5.0		5.0		ug/L			11/13/10 17:21	
Chlorodibromomethane	1.0	. 	1.0		ug/L			11/13/10 17:21	
1,2-Dibromoethane	1.0		1.0		ug/L			11/13/10 17:21	
Chlorobenzene	1.0		1.0		ug/L			11/13/10 17:21	
1,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 17:21	
Ethylbenzene	1.0		1.0		ug/L			11/13/10 17:21	1
m&p-Xylene	1.0		1.0		ug/L			11/13/10 17:21	1
o-Xylene	1.0		1.0		ug/L			11/13/10 17:21	
Xylenes, Total	1.0		1.0		ug/L			11/13/10 17:21	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-13

Matrix: Water

Client Sample ID: A0K060451-13

Date Collected: 11/04/10 08:35 Date Received: 11/11/10 10:20

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
Tenatively 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

Date Collected: 11/04/10 10:00

Date Received: 11/11/10 10:20

Lab	Sample	ID:	200-2452-14
			Matrix: Water

Method: 8260B - Volatile Organic	Compounds ((GC/MS)							
Analyte		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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-14

Matrix: Water

Client Sample ID: A0K060451-14

Date Collected: 11/04/10 10:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/13/10 17:52	
Acetone	5.0	U	5.0	1.7	ug/L			11/13/10 17:52	
odomethane	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/13/10 17:52	
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/13/10 17:52	
rans-1,2-Dichloroethene	1.0	Ü	1.0	0.14	ug/L			11/13/10 17:52	
,2-Dichloroethene, Total	1.0	U	1.0	0.31	ug/L			11/13/10 17:52	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 17:52	
,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/13/10 17:52	
/inyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 17:52	
;,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 17:52	
is-1,2-Dichloroethene	0.23	J	1.0	0.18	ug/L			11/13/10 17:52	
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 17:52	
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/13/10 17:52	
etrahydrofuran	14	Ü		1.9	ug/L			11/13/10 17:52	
Chloroform	1.0	υ	1.0		ug/L			11/13/10 17:52	
,1,1-Trichloroethane	1.0	υ	1.0	0.20	ug/L			11/13/10 17:52	
,1-Dichloropropene	1.0	υ · · · · · · · · · · · · · · · · · · ·	1.0	0.16	ug/L			11/13/10 17:52	
Carbon tetrachloride	1.0	υ	1.0	0.20	_			11/13/10 17:52	
Benzene	1.0	U	1.0		ug/L			11/13/10 17:52	
,2-Dichloroethane	1.0	U	1.0		ug/L			11/13/10 17:52	
richloroethene	1.0	U	1.0		ug/L			11/13/10 17:52	
Cyclohexane, methyl-	1.0		1.0		ug/L			11/13/10 17:52	
,2-Dichloropropane	1.0		1.0		ug/L			11/13/10 17:52	
Dibromomethane		U	1.0		ug/L			11/13/10 17:52	
Bromodichloromethane		Ú	1.0		ug/L			11/13/10 17:52	
2-Chloroethyl vinyl ether			1.0		ug/L			11/13/10 17:52	
sis-1,3-Dichloropropene	1.0	U	1.0		ug/L			11/13/10 17:52	
I-Methyl-2-pentanone (MIBK)	5.0	U	5.0		ug/L			11/13/10 17:52	
Foluene	1.0	U	1.0		ug/L			11/13/10 17:52	
rans-1,3-Dichloropropene	1.0	U	1.0		ug/L			11/13/10 17:52	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 17:52	
Fetrachloroethene	0.55				ug/L			11/13/10 17:52	
I,3-Dichloropropane	1.0		1.0		ug/L			11/13/10 17:52	
2-Hexanone	5.0		5.0		ug/L			11/13/10 17:52	
Chlorodibromomethane	1.0		1.0	0.02				11/13/10 17:52	
1.2-Dibromoethane	1.0		1.0	0.21	•			11/13/10 17:52	
Chlorobenzene	1.0		1.0		ug/L			11/13/10 17:52	
								11/13/10 17:52	
I,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 17:52	
Ethylbenzene	1.0		1.0		ug/L				
n&p-Xylene	1.0		1.0		ug/L			11/13/10 17:52	
p-Xylene	1.0		1.0	0.20	-			11/13/10 17:52	
Kylenes, Total	1.0		1.0		ug/L		•	11/13/10 17:52	
Styrene	1.0		1.0		ug/L			11/13/10 17:52	
Bromoform 	1.0		1.0		ug/L			11/13/10 17:52	
sopropylbenzene	1.0		1.0		ug/L 			11/13/10 17:52	
Bromobenzene	1.0		1.0		ug/L			11/13/10 17:52	
1,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 17:52	
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/13/10 17:52	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-14

Matrix: Water

Client Sample ID: A0K060451-14

Date Collected: 11/04/10 10:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chiorotoluene	1.0	U	1.0		0.23	ug/L			11/13/10 17:52	1
4-Chiorotoluene	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	υ	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	υ	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
Tenatively 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

Date Collected: 11/04/10 11:10

Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u> </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	Ü	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	Ū	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	JB	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 11/19/2010

Lab Sample ID: 200-2452-15

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-15

Matrix: Water

Client Sample ID: A0K060451-15

Date Collected: 11/04/10 11:10 Date Received: 11/11/10 10:20

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
ethyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	
1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	
inyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 17:05	
2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	
s-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	
ethyl ethyl ketone (MEK)	5.0	U	5.0		ug/L			11/14/10 17:05	
romochloromethane	1.0	U	1.0		ug/L			11/14/10 17:05	
etrahydrofuran	14		14		ug/L			11/14/10 17:05	
hloroform	1.0		1.0		ug/L			11/14/10 17:05	
1,1-Trichloroethane	1.0		1.0		ug/L			11/14/10 17:05	
1-Dichloropropene	1.0		1.0		ug/L			11/14/10 17:05	
arbon tetrachloride	1.0		1.0		ug/L			11/14/10 17:05	
enzene	1.0		1.0		ug/L			11/14/10 17:05	
2-Dichloroethane	1.0		1.0		ug/L			11/14/10 17:05	
ichloroethene	1.0		1.0		ug/L ug/L			11/14/10 17:05	
chloroethene clohexane, methyl-	1.0	-	1.0		ug/L ug/L			11/14/10 17:05	
2-Dichloropropane	1.0		1.0		ug/L			11/14/10 17:05	
bromomethane	0,26		1.0		ug/L			11/14/10 17:05	
omodichloromethane	1.0		1.0		ug/L			11/14/10 17:05	
Chloroethyl vinyl ether	1.0		1.0		ug/L 			11/14/10 17:05	
-1,3-Dichloropropene	1.0		1.0		ug/L			11/14/10 17:05	
Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/14/10 17:05	
luene	1.0		1.0		ug/L			11/14/10 17:05	
ans-1,3-Dichloropropene	0.27	J	1.0	0.20	ug/L			11/14/10 17:05	
1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/14/10 17:05	
trachloroethene	1.0	U	1.0	0.34	ug/L			11/14/10 17:05	
3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	
Hexanone	5.0	U	5.0	0.82	ug/L			11/14/10 17:05	
llorodibromomethane	1.0	U	1.0	0.27	ug/L			11/14/10 17:05	
2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 17:05	
lorobenzene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	
I,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 17:05	
nylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 17:05	
&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 17:05	
Kylene	1.0	U	1.0	0.20	ug/L			11/14/10 17:05	
lenes, Total	1.0	U	1.0	0.61	ug/L			11/14/10 17:05	
yrene	1.0	U	1.0	0.19	ug/L			11/14/10 17:05	
omoform	1.0		1.0	and the second	ug/L			11/14/10 17:05	
ppropylbenzene	1.0		1.0		ug/L			11/14/10 17:05	
omobenzene	1.0		1.0		ug/L			11/14/10 17:05	
1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/14/10 17:05	
2,3-Trichloropropane	1.0		1.0		ug/L			11/14/10 17:05	
Propylbenzene	1.0		1.0		ug/L			11/14/10 17:05	
Chlorotoluene	1.0							11/14/10 17:05	
			1.0		ug/L				
Chlorotoluene	1.0		1.0		ug/L			11/14/10 17:05	
3,5-Trimethylbenzene	1.0		1.0		ug/L			11/14/10 17:05	
t-Butylbenzene	1.0		1.0		ug/L 			11/14/10 17:05	
2,4-Trimethylbenzene	1.0		1.0		ug/L			11/14/10 17:05	
c-Butylbenzene	1.0	. U	1.0	0.22	ug/L			11/14/10 17:05 11/14/10 17:05	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-15

Matrix: Water

Client Sample ID: A0K060451-15

Date Collected: 11/04/10 11:10 Date Received: 11/11/10 10:20

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	JB	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	JВ	1.0		0.15	ug/L			11/14/10 17:05	1
1,2,3-Trichlorobenzene	0.22	JВ	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
Tenatively 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
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	

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

Method: 8260B - Volatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Dichlorodifluoromethane 1.0 U^ 1.0 0.38 11/14/10 17:37 ug/L Chloromethane 1.0 U ug/L 1.0 0.28 11/14/10 17:37 1 11/14/10 17:37 Vinyl chloride 1.0 1.0 0.34 ug/L Bromomethane 1.0 U 1.0 0.29 ug/L 11/14/10 17:37 Chloroethane 1.0 U 1.0 ug/L 11/14/10 17:37 0.39 Trichlorofluoromethane 1.0 U 1.0 0.36 ug/L 11/14/10 17:37 1,1-Dichloroethene 1.0 U 1.0 0.23 ug/L 11/14/10 17:37 1,1,2-Trichloro-1,2,2-trifluoroethane 1.0 U 1.0 0.20 ug/L 11/14/10 17:37 ug/L Acetone 5.0 U 5.0 1.7 11/14/10 17:37 Iodomethane 1.0 U 1.0 0.18 11/14/10 17:37 Carbon disulfide 1.0 U 11/14/10 17:37 1.0 0.13 ug/L Methylene Chloride 1.0 U 1.0 0.25 11/14/10 17:37 ug/L 1.0 U trans-1,2-Dichloroethene 1.0 0.14 ug/L 11/14/10 17:37 1.0 11/14/10 17:37 1,2-Dichloroethene, Total 0.57 J 0.31 ug/L Methyl-t-Butyl Ether (MTBE) 1.0 U 1.0 0.21 ug/L 11/14/10 17:37 11/14/10 17:37 1,1-Dichloroethane 0.75 J 1.0 0.18 ug/L Vinyl acetate 1.0 U 1.0 0.26 ug/L 11/14/10 17:37 2,2-Dichloropropane 1.0 U 1.0 0.23 ug/L 11/14/10 17:37 1.0 ug/L cis-1,2-Dichloroethene 0.57 J 11/14/10 17:37 0,18 Methyl ethyl ketone (MEK) 5.0 U 5.0 1.0 ug/L 11/14/10 17:37 1.0 U Bromochloromethane 1.0 0.37 ug/L 11/14/10 17:37

TestAmerica Burlington 11/19/2010

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-16

Matrix: Water

Client Sample ID: A0K060451-16

Date Collected: 11/04/10 11:55 Date Received: 11/11/10 10:20

lethod: 8260B - Volatile Organic Compounds		•			_			
	Qualifier	RL	MDL			Prepared	Analyzed	Dil Fa
etrahydrofuran 14		14	1.9	ug/L			11/14/10 17:37	
	U	1.0		-			11/14/10 17:37	
1,1-Trichloroethane 4.9		1.0		ug/L			11/14/10 17:37	
• •	U	1.0		ug/L			11/14/10 17:37	
arbon tetrachloride 1.0	U	1.0		ug/L			11/14/10 17:37	
enzene 1.0	U	1.0	0.19	ug/L			11/14/10 17:37	
2-Dichloroethane 1.0	U	1.0	0.18	ug/L			11/14/10 17:37	
richloroethene 22		1.0	0.17	ug/L			11/14/10 17:37	
yclohexane, methyl- 1.0	U	1.0	0.16	ug/L			11/14/10 17:37	
2-Dichloropropane 0.97	J	1.0	0.21	ug/L			11/14/10 17:37	
ibromomethane 1.0	U	1.0	0.21	ug/L			11/14/10 17:37	
romodichloromethane 1.0	U	1.0	0.20	ug/L			11/14/10 17:37	
Chloroethyl vinyl ether 1.0	Ü	1.0	0.14	ug/L			11/14/10 17:37	
s-1,3-Dichloropropene 1.0	U	1.0	0.18	ug/L			11/14/10 17:37	
Methyl-2-pentanone (MIBK) 5.0	U	5.0	0.74	ug/L			11/14/10 17:37	
	Ü	1.0	0.19	ug/L			11/14/10 17:37	
ans-1,3-Dichloropropene 1.0	U	1.0		ug/L			11/14/10 17:37	
	U	1.0		ug/L			11/14/10 17:37	
etrachloroethene 8.1		1.0	0.34				11/14/10 17:37	
	U	1.0		ug/L			11/14/10 17:37	
	U	5.0		ug/L			11/14/10 17:37	
********************************	Ū	1.0		ug/L			11/14/10 17:37	
	U	1.0	0.21	ug/L		•	11/14/10 17:37	
	U	1.0		ug/L			11/14/10 17:37	
1,1,2-Tetrachloroethane 1.0		1.0		ug/L			11/14/10 17:37	
	U	1.0		ug/L			11/14/10 17:37	
1.7	U	1.0		ug/L			11/14/10 17:37	
• • • • • • • • • • • • • • • • • • • •	U	1.0	0.20	ug/L			11/14/10 17:37	
,	U	1.0		ug/L			11/14/10 17:37	
• •	U	1.0		ug/L			11/14/10 17:37	
	U	1.0		ug/L			11/14/10 17:37	
opropylbenzene 1.0	U	1.0	0.22	ug/L			11/14/10 17:37	
romobenzene 1,0	U	1.0	0.20	ug/L			11/14/10 17:37	
1,2,2-Tetrachioroethane 1.0	U	1.0	0.22	ug/L			11/14/10 17:37	
2,3-Trichloropropane 1.0	U	1.0	0.24	ug/L			11/14/10 17:37	
-Propylbenzene 1.0	U	1.0	0.22	ug/L			11/14/10 17:37	
-Chlorotoluene 1.0	U	1.0	0.23	ug/L			11/14/10 17:37	
-Chlorotoluene 1.0	U	1.0	0.25	ug/L			11/14/10 17:37	
,3,5-Trimethylbenzene 1.0	U	1.0	0.22	ug/L			11/14/10 17:37	
ert-Butylbenzene 1.0	U	1.0	0.23	ug/L			11/14/10 17:37	
,2,4-Trimethylbenzene 1.0	U	1.0	0.21	ug/L			11/14/10 17:37	
ec-Butylbenzene 1.0	U	1.0	0.22	ug/L			11/14/10 17:37	
,3-Dichlorobenzene 1.0	· U	1.0	0.19	ug/L			11/14/10 17:37	
-lsopropyltoluene 1.0	U	1.0	0.19	ug/L			11/14/10 17:37	
	U	1.0		ug/L			11/14/10 17:37	
`		1.0	. <i></i>	ug/L			11/14/10 17:37	• • • • • •
	U	1.0		ug/L			11/14/10 17:37	
•	U	1.0		ug/L			11/14/10 17:37	
• •	. U	1.0		ug/L			11/14/10 17:37	
	, U	1.0		ug/L			11/14/10 17:37	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-16

Matrix: Water

Client Sample ID: A0K060451-16

Date Collected: 11/04/10 11:55 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	Ū	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	υ	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
Tenatively 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

Date Collected: 11/04/10 12:32

Date Received: 11/11/10 10:20

ab Sample ID: 200-2452-17		ab Samp	le ID:	200-2	452-17
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Matrix: Water

4.4 4.4 31 4.4 4.4		4.4 4.4 4.4	1.7	ug/L			11/14/10 18:09	4.4
31 4.4 4.4				ua/L				
4.4 4.4	Ü	4.4		-a, -			11/14/10 18:09	4.4
4.4	Ŭ		1.5	ug/L			11/14/10 18:09	4.4
		4.4	1.3	ug/L			11/14/10 18:09	4.4
	U	4.4	1.7	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	1.6	ug/L			11/14/10 18:09	4.4
1.2	J	4.4	1.0	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
22	U	22	7.5	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.79	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.57	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4
8.6		4.4	0.62	ug/L			11/14/10 18:09	4.4
350		4.4	1.4	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.92	ug/L			11/14/10 18:09	4.4
10		4.4	0.79	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	1.1	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	1.0	ug/L			11/14/10 18:09	4.4
340		4.4	0.79	ug/L	, , ,		11/14/10 18:09	4.4
22	U	22	4.4	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	1.6	ug/L			11/14/10 18:09	4.4
62	Ü	62	8.4	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
1.4	J	4.4	0.88	ug/L			11/14/10 18:09	4.4
4.4	Ü	4.4	0.70	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.88	ug/L			11/14/10 18:09	4.4
4.4	U	4.4	0.84	ug/L			11/14/10 18:09	4.4
	4.4 22 4.4 4.4 8.6 350 4.4 10 4.4 340 22 4.4 62 4.4 1.4 4.4	350 4.4 U 10 4.4 U 4.4 U	4.4 U 4.4 22 U 22 4.4 U 4.4 4.4 U 4.4 8.6 4.4 350 4.4 4.4 U 4.4 10 4.4 10 4.4 4.4 U 4.4 340 4.4 22 U 22 4.4 U 4.4 62 U 62 4.4 U 4.4 1.4 J 4.4 1.4 J 4.4 4.4 U 4.4 4.4 U 4.4 4.4 U 4.4 4.4 U 4.4 4.4 U 4.4 4.4 U 4.4	4.4 U 4.4 0.88 22 U 22 7.5 4.4 U 4.4 0.79 4.4 U 4.4 1.1 8.6 4.4 0.62 350 4.4 1.4 4.4 U 4.4 0.79 4.4 U 4.4 1.0 340 4.4 0.79 22 U 22 4.4 4.4 U 4.4 1.6 62 U 62 8.4 4.4 U 4.4 0.88 1.4 J 4.4 0.88 4.4 U 4.4 0.70 4.4 U 4.4 0.88 4.4	4.4 U 4.4 0.88 ug/L 22 U 22 7.5 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.1 ug/L 8.6 4.4 0.62 ug/L 350 4.4 1.4 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.1 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.6 ug/L 4.4 U 4.4 0.88 ug/L 4.4 </td <td>4.4 U 4.4 0.88 ug/L 22 U 22 7.5 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.57 ug/L 4.4 U 4.4 1.1 ug/L 8.6 4.4 0.62 ug/L 350 4.4 1.4 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.1 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 0.79 ug/L 22 U 22 4.4 ug/L 4.4 U 4.4 1.6 ug/L 62 U 62 8.4 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L</td> <td>4.4 U 4.4 0.88 ug/L 22 U 22 7.5 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.57 ug/L 4.4 U 4.4 1.1 ug/L 8.6 4.4 0.62 ug/L 350 4.4 1.4 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.1 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.70 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L</td> <td>4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.79 ug/L 11/14/10 18:09 4.4 U 4.4 0.57 ug/L 11/14/10 18:09 4.4 U 4.4 0.57 ug/L 11/14/10 18:09 4.4 U 4.4 1.1 ug/L 11/14/10 18:09 3.50 4.4 1.4 ug/L 11/14/10 18:09 4.4 U 4.4 0.92 ug/L 11/14/10 18:09 4.4 U 4.4 0.92 ug/L 11/14/10 18:09 4.4 U 4.4 0.79 ug/L 11/14/10 18:09 4.4 U 4.4 0.79 ug/L 11/14/10 18:09 4.4 U 4.4 1.1 ug/L 11/14/10 18:09 4.4 U 4.4 1.6 ug/L 11/14/10 18:09 4.4 U 4.4 1.6 ug/L 11/14/10 18:09 4.4 U 4.4 0.79 ug/L 11/14/10 18:09 4.4 U 4.4 0.79 ug/L 11/14/10 18:09 4.4 U 4.4 0.79 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09</td>	4.4 U 4.4 0.88 ug/L 22 U 22 7.5 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.57 ug/L 4.4 U 4.4 1.1 ug/L 8.6 4.4 0.62 ug/L 350 4.4 1.4 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.1 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 0.79 ug/L 22 U 22 4.4 ug/L 4.4 U 4.4 1.6 ug/L 62 U 62 8.4 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L	4.4 U 4.4 0.88 ug/L 22 U 22 7.5 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.57 ug/L 4.4 U 4.4 1.1 ug/L 8.6 4.4 0.62 ug/L 350 4.4 1.4 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 1.1 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 1.0 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.79 ug/L 4.4 U 4.4 0.70 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L 4.4 U 4.4 0.88 ug/L	4.4 U 4.4 0.88 ug/L 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0.88 ug/L 11/14/10 18:09 4.4 U 4.4 0.88 ug/L 11/14/10 18:09

TestAmerica Burlington 11/19/2010

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Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-17

Matrix: Water

Client Sample ID: A0K060451-17

Date Collected: 11/04/10 12:32 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D Pro	epared Analyzed	Dil Fa
richloroethene	3.0		4.4	0.75	ug/L		11/14/10 18:09	4
Cyclohexane, methyl-	16		4.4		ug/L		11/14/10 18:09	4
,2-Dichloropropane	4,4	υ · · · · · · · · · · · · · · · · · · ·	4.4		ug/L		11/14/10 18:09	4.
Dibromomethane	4.4		4.4		ug/L		11/14/10 18:09	4
Bromodichloromethane	4.4		4.4		ug/L		11/14/10 18:09	4
2-Chloroethyl vinyl ether	4.4		4.4		ug/L		11/14/10 18:09	
sis-1,3-Dichloropropene	4.4		4.4		ug/L		11/14/10 18:09	4
-Methyl-2-pentanone (MIBK)	22		22		ug/L		11/14/10 18:09	4
Foluene	4.4		4.4		ug/L		11/14/10 18:09	4
rans-1,3-Dichloropropene	4.4		4.4		ug/L		11/14/10 18:09	4
1,1,2-Trichloroethane	4.4		4.4		ug/L		11/14/10 18:09	4
	4.4		4.4		ug/L		11/14/10 18:09	
etrachloroethene	4.4		4.4		ug/L		11/14/10 18:09	4
,3-Dichloropropane					-			
-Hexanone	22				ug/L		11/14/10 18:09	
Chlorodibromomethane	4.4		4.4		ug/L		11/14/10 18:09	4
,2-Dibromoethane	4.4		4.4		ug/L		11/14/10 18:09	4
Chlorobenzene	4.4		4.4	. .	ug/L		11/14/10 18:09	
,1,1,2-Tetrachloroethane	4.4		4.4		ug/L		11/14/10 18:09	4
thylbenzene	4.4		4.4		ug/L		11/14/10 18:09	4
ı&p-Xylene	4.4	U	4,4	1.8	ug/L		11/14/10 18:09	4
-Xylene	4.4	U	4.4	0.88	ug/L		11/14/10 18:09	4
ylenes, Total	4.4	U	4.4	2.7	ug/L		11/14/10 18:09	
tyrene	4.4	U	4.4	0.84	ug/L		11/14/10 18:09	•
romoform	4.4	U	4.4	0.75	ug/L		11/14/10 18:09	
opropylbenzene	4.4	U	4.4	0.97	ug/L		11/14/10 18:09	4
romobenzene	4.4	U	4.4	0.88	ug/L		11/14/10 18:09	
,1,2,2-Tetrachloroethane	4.4	. ŭ	4,4	0.97	ug/L		11/14/10 18:09	
,2,3-Trichloropropane	4.4	U	4.4	1.1	ug/L		11/14/10 18:09	
-Propylbenzene	4.4	U	4.4	0.97	ug/L		11/14/10 18:09	
-Chlorotoluene	4.4	υ	4.4	1.0	-		11/14/10 18:09	
-Chlorotoluene	4.4	U	4.4		ug/L		11/14/10 18:09	
,3,5-Trimethylbenzene	4.4		4.4		ug/L		11/14/10 18:09	
ert-Butylbenzene	4.4		4.4		ug/L		11/14/10 18:09	
,2,4-Trimethylbenzene	4.4		4.4		ug/L		11/14/10 18:09	
ec-Butylbenzene	4.4		4.4		ug/L		11/14/10 18:09	
,3-Dichlorobenzene	4.4		4.4		ug/L		11/14/10 18:09	
							11/14/10 18:09	
-lsopropyltoluene	4.4		4.4		ug/L			
,4-Dichlorobenzene	4.4		4.4		ug/L		11/14/10 18:09	
,2-Dichlorobenzene	4.4		4.4		ug/L		11/14/10 18:09	4
-Butylbenzene	4.4		4.4		ug/L		11/14/10 18:09	4
,2-Dibromo-3-Chloropropane	4.4		4.4		ug/L		11/14/10 18:09	4
,2,4-Trichlorobenzene	4.4		4.4		ug/L		11/14/10 18:09	•
lexachlorobutadiene	4.4		4.4		ug/L		11/14/10 18:09	•
aphthalene	4.4	and the second second	4.4		ug/L		11/14/10 18:09	
,2,3-Trichlorobenzene	4.4	U	4.4	0.62	ug/L		11/14/10 18:09	
crolein	22	U	22	7.0	ug/L		11/14/10 18:09	•
crylonitrile	4.4	U	4.4	1,3	ug/L		11/14/10 18:09	
thyl methacrylate	4.4	ับ	4.4	0.84	ug/L		11/14/10 18:09	
lethyl methacrylate	4.4	U	4.4	0.97	ug/L		11/14/10 18:09	
ans-1,4-Dichloro-2-butene	44	U	4.4		ug/L		11/14/10 18:09	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-17

Matrix: Water

Client Sample ID: A0K060451-17

Date Collected: 11/04/10 12:32 Date Received: 11/11/10 10:20

Tenatively 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				<u> </u>	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

Lab Sample ID: 200-2452-18 Client Sample ID: A0K060451-18 Matrix: Water

Date Collected: 11/04/10 13:01 Date Received: 11/11/10 10:20

Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dii Fa
Dichlorodifluoromethane	40	U^	40	15	ug/L			11/14/10 18:41	40
Chloromethane	40	υ	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	Ū	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	υ	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
Viny! acetate	40	υ	40	10	ug/L			11/14/10 18:41	40
2,2-Dichloropropane	40	υ	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	υ	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		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		* 1	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	Ū	40		ug/L			11/14/10 18:41	40

TestAmerica Burlington 11/19/2010

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 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organi Analyte	-	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	-			11/14/10 18:41	4(
Tetrachloroethene	40		40	14				11/14/10 18:41	4(
1,3-Dichloropropane	40	U	40	8.0	-			11/14/10 18:41	40
2-Hexanone	200		200		ug/L			11/14/10 18:41	40
Chlorodibromomethane	40		40	11				11/14/10 18:41	40
1,2-Dibromoethane		U	40	8.4	ug/L			11/14/10 18:41	40
Chlorobenzene	40		40		ug/L			11/14/10 18:41	40
1,1,1,2-Tetrachloroethane	40		40		ug/L			11/14/10 18:41	4(
Ethylbenzene	40		40	7.2				11/14/10 18:41	40
m&p-Xylene	40	-	40	16	ug/L			11/14/10 18:41	4(
o-Xylene	40		40	8.0				11/14/10 18:41	40
Xylenes, Total	40		40	24	ug/L			11/14/10 18:41	40
Styrene	40		40		ug/L			11/14/10 18:41	40
Bromoform	40		40		ug/L			11/14/10 18:41	4(
Isopropylbenzene	40		40	8.8	ug/L			11/14/10 18:41	4(
Bromobenzene	40		40		ug/L			11/14/10 18:41	4(
1,1,2,2-Tetrachloroethane	40		40		ug/L ug/L			11/14/10 18:41	
	40		40	9.6	ug/L			11/14/10 18:41	40
1,2,3-Trichloropropane	40		40					11/14/10 18:41	40
n-Propylbenzene	40		40	8.8	_			11/14/10 18:41	40
2-Chlorotoluene		-		9.2	•				
4-Chlorotoluene	40 40		40	10	•			11/14/10 18:41	4(4(
1,3,5-Trimethylbenzene			40		ug/L			11/14/10 18:41	
tert-Butylbenzene	40		40		ug/L			11/14/10 18:41	40
1,2,4-Trimethylbenzene	40	U	40	8.4	•			11/14/10 18:41	4(
sec-Butylbenzene	40		40		ug/L			11/14/10 18:41	4(
1,3-Dichlorobenzene	40		40		ug/L			11/14/10 18:41	40
p-Isopropyltoluene	40		. 40	7.6	•			11/14/10 18:41	40
1,4-Dichlorobenzene	40	U	40	6.8	-			11/14/10 18:41	40
1,2-Dichlorobenzene		U	40	9.2	-			11/14/10 18:41	40
n-Butylbenzene	40		40		ug/L			11/14/10 18:41	40
1,2-Dibromo-3-Chloropropane		U	40		ug/L			11/14/10 18:41	4(
1,2,4-Trichlorobenzene	40		40		ug/L			11/14/10 18:41	40
Hexachlorobutadiene	40	U	40		ug/L			11/14/10 18:41	40
Naphthalene	40		40		ug/L			11/14/10 18:41	
1,2,3-Trichlorobenzene	40		40		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		ug/L			11/14/10 18:41	40
Ethyl methacrylate	40	U	40		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
Tenatively Identified Compound	Est. Result	Qualifier	Unit	<u>D</u>	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 18:41	40
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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-19

Matrix: Water

Client Sample ID: A0K060451-19

Date Collected: 11/04/10 13:24 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Analyte		Qualifier	RL	MDL	Unit	Ð	Prepared	Analyzed	Dil Fa
Dichlorodifluoromethane		U ^	1.0		ug/L	- -	riepaieu	11/14/10 19:13	
Chloromethane	1.0	_	1.0		ug/L			11/14/10 19:13	
/inyl chloride	1.0		1.0		ug/L			11/14/10 19:13	
Bromomethane	1.0		1.0	<i></i>	ug/L			11/14/10 19:13	
Chloroethane	1.0		1.0		ug/L			11/14/10 19:13	
Frichlorofluoromethane	1.0		1.0		ug/L			11/14/10 19:13	
1.1-Dichloroethene	1.0		1.0		ug/L			11/14/10 19:13	
,	1.0		1.0		ug/L ug/L				
I,1,2-Trichloro-1,2,2-trifluoroethane Acetone	5,0		5.0					11/14/10 19:13	
					ug/L			11/14/10 19:13	
odomethane	1.0		1.0		ug/L			11/14/10 19:13	
Carbon disulfide	1.0		1.0		ug/L			11/14/10 19:13	
Methylene Chloride	1.0	U	1.0		ug/L			11/14/10 19:13	
rans-1,2-Dichloroethene	7.6		1.0		ug/L 			11/14/10 19:13	
I,2-Dichloroethene, Total	59		1.0		ug/L 			11/14/10 19:13	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	<i></i>	ug/L			11/14/10 19:13	
,1-Dichloroethane	1.6		1.0		ug/L			11/14/10 19:13	
/inyl acetate	1.0		1.0		ug/L			11/14/10 19:13	
2,2-Dichloropropane	1.0	U	1.0		ug/L			11/14/10 19:13	
is-1,2-Dichloroethene	51		1.0	0.18	ug/L			11/14/10 19:13	
flethyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 19:13	
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 19:13	
etrahydrofuran	14	U	14	1.9	ug/L			11/14/10 19:13	
chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	
,1,1-Trichloroethane	1.0		1.0	0.20	ug/L			11/14/10 19:13	
,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/14/10 19:13	
arbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	
enzene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	
,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 19:13	
richloroethene	7.9		1.0	0.17	ug/L			11/14/10 19:13	
yclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/14/10 19:13	
,2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	
Bromodichioromethane	1.0	υ	1.0	0.20	ug/L			11/14/10 19:13	
-Chloroethyl vinyl ether	1.0	Ü	1.0		ug/L			11/14/10 19:13	
is-1,3-Dichloropropene	1.0	U	1.0		ug/L			11/14/10 19:13	
-Methyl-2-pentanone (MIBK)	5.0	U	5.0		ug/L			11/14/10 19:13	
	1.0		1.0	<i></i>	ug/L			11/14/10 19:13	
rans-1,3-Dichloropropene	1.0		1.0		ug/L			11/14/10 19:13	
1,2-Trichloroethane	1.0		1.0		ug/L			11/14/10 19:13	
etrachloroethene	1.0		1.0		ug/L			11/14/10 19:13	
,3-Dichloropropane	1.0		1.0		ug/L			11/14/10 19:13	
-Hexanone	5.0		5.0		ug/L			11/14/10 19:13	
Chlorodibromomethane	1.0		1,0		ug/L			11/14/10 19:13	
,2-Dibromoethane	1.0		1.0		ug/L			11/14/10 19:13	
chlorobenzene	1.0		1.0					11/14/10 19:13	
					ug/L				
,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/14/10 19:13	
thylbenzene	1.0		1.0		ug/L			11/14/10 19:13	
n&p-Xylene	1.0		1.0		ug/L			11/14/10 19:13	
p-Xylene Kylenes, Total	1.0 1.0		1.0 1.0	0.20	ug/L ug/L			11/14/10 19:13 11/14/10 19:13	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-19

Matrix: Water

Client Sample ID: A0K060451-19

Date Collected: 11/04/10 13:24 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	Ü	1.0	0.19	ug/L			11/14/10 19:13	
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	
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 19:13	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0,22	ug/L			11/14/10 19:13	
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/14/10 19:13	
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	•
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 19:13	•
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	
1,4-Dichlorobenzene	1.0	, U	1.0	0.17	ug/L			11/14/10 19:13	•
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/14/10 19:13	• • • • • •
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	•
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 19:13	•
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 19:13	
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 19:13	•
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 19:13	•
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 19:13	•
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 19:13	
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 19:13	
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 19:13	• • • • • • •
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 19:13	
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 19:13	•
Tenatively 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	-
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		80 - 115			_		11/14/10 19:13	
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

Date Collected: 11/04/10 14:01 Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-20 Matrix: Water

Method: 8260B - Volatile Organic	Compounds /	GC/MS)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	U^	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	Ŭ	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-20

Matrix: Water

Client Sample ID: A0K060451-20

Date Collected: 11/04/10 14:01 Date Received: 11/11/10 10:20

ethod: 8260B - Volatile Organic C _{alyte}	•	Qualifier	ŔL	MDL	Unit	D	Prepared	Analyzed	Dil F
,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	
etone	10	U	10	3.4	ug/L			11/14/10 19:45	
iomethane	2.0		2.0	0.36	ug/L			11/14/10 19:45	
rbon disulfide	2.0	U	2.0		ug/L			11/14/10 19:45	
ethylene Chloride	2.0	U	2.0		ug/L			11/14/10 19:45	
ns-1,2-Dichloroethene	1.3		2.0		ug/L			11/14/10 19:45	
2-Dichloroethene, Total	140	•	2.0		ug/L			11/14/10 19:45	
ethyl-t-Butyl Ether (MTBE)	2.0	u	2.0		ug/L			11/14/10 19:45	
I-Dichloroethane	10		2.0		ug/L			11/14/10 19:45	
nyl acetate	2.0	П	2.0		ug/L			11/14/10 19:45	
2-Dichloropropane	2.0		2.0		ug/L			11/14/10 19:45	
and the state of t	140		2.0		ug/L			11/14/10 19:45	
s-1,2-Dichloroethene	140	11	10		ug/L ug/L			11/14/10 19:45	
ethyl ethyl ketone (MEK)	2.0		2.0		-			11/14/10 19:45	
omochloromethane					ug/L				
trahydrofuran	28		28		ug/L			11/14/10 19:45	
loroform	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	
I,1-Trichloroethane	2.4		2.0		ug/L			11/14/10 19:45	
I-Dichloropropene	2.0		2.0		ug/L			11/14/10 19:45	
rbon tetrachloride	2.0		2.0		ug/L			11/14/10 19:45	
nzene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	
2-Dichloroethane	0.61	J	2.0	0.36	ug/L			11/14/10 19:45	
ichloroethene	14		2.0	0.34	ug/L			11/14/10 19:45	
rclohexane, methyl-	2.0	U	2.0	0.32	ug/L			11/14/10 19:45	
2-Dichloropropane	2.0	U	2.0	0.42	ug/L			11/14/10 19:45	
oromomethane	, 2.0	U	2.0	0.42	ug/L			11/14/10 19:45	
omodichloromethane	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	
Chloroethyl vinyl ether	2.0	U	2.0	0.28	ug/L			11/14/10 19:45	
-1,3-Dichloropropene	2.0	U	2.0	0.36	ug/L			11/14/10 19:45	
Methyl-2-pentanone (MIBK)	10	U	10	1.5	ug/L			11/14/10 19:45	
luene	2.0	υ	2.0	0.38	ug/L			11/14/10 19:45	
ns-1,3-Dichloropropene	2.0	U	2.0		ug/L			11/14/10 19:45	
1,2-Trichloroethane	2.0	U	2.0		ug/L			11/14/10 19:45	
trachloroethene	2.0		2.0	0.68	ug/L			11/14/10 19:45	
3-Dichloropropane	2.0		2.0		ug/L			11/14/10 19:45	
Hexanone	10		10		ug/L			11/14/10 19:45	
nlorodibromomethane	2.0		2.0		ug/L			11/14/10 19:45	
2-Dibromoethane	2.0		2.0		ug/L			11/14/10 19:45	
nlorobenzene	2.0		2.0		ug/L			11/14/10 19:45	
1,1,2-Tetrachloroethane	2.0		2.0 2.0		ug/L ug/L			11/14/10 19:45 11/14/10 19:45	
hylbenzene	2.0								
&p-Xylene	2.0		2.0		ug/L			11/14/10 19:45	
Xylene	2.0		2.0		ug/L			11/14/10 19:45	
lenes, Total	2.0		2.0		ug/L			11/14/10 19:45	
yrene	2.0		2.0		ug/L			11/14/10 19:45	
omoform	2.0		2.0		ug/L			11/14/10 19:45	
propylbenzene	2.0		2.0		ug/L			11/14/10 19:45	
omobenzene	2.0	U	2.0	0.40	ug/L			11/14/10 19:45	
1,2,2-Tetrachloroethane	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	
2,3-Trichloropropane		U	2.0		ug/L			11/14/10 19:45	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-20

Matrix: Water

Client Sample ID: A0K060451-20

Date Collected: 11/04/10 14:01 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	. Unit	D	Prepared	Analyzed	Dil Fa
2-Chiorotoluene	2.0	Ū	2.0	0.46	ug/L			11/14/10 19:45	
4-Chlorotoluene	2.0	U	2.0	0.50	ug/L			11/14/10 19:45	:
1,3,5-Trimethylbenzene	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	:
tert-Butylbenzene	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	
1,2,4-Trimethylbenzene	2.0	U	2.0	0.42	2 ug/L			11/14/10 19:45	:
sec-Butylbenzene	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	:
1,3-Dichlorobenzene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	:
p-Isopropyltoluene	2.0	U	2.0	0,38	ug/L	•		11/14/10 19:45	:
1,4-Dichlorobenzene	2.0	U	2.0	0,34	ug/L			11/14/10 19:45	:
1,2-Dichlorobenzene	2.0	U	2.0	0.46	ug/L			11/14/10 19:45	
n-Butylbenzene	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	:
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.66	ug/L			11/14/10 19:45	:
1,2,4-Trichlorobenzene	2.0	Ü	2.0	0.30	ug/L			11/14/10 19:45	
Hexachlorobutadiene	2.0	U	2.0	0.42	2 ug/L			11/14/10 19:45	:
Naphthalene	2.0	U	2.0	0.30	ug/L			11/14/10 19:45	:
1,2,3-Trichlorobenzene	2.0	Ü	2.0	0.28	ug/L			11/14/10 19:45	
Acrolein	10	U	10	3.2	ug/L			11/14/10 19:45	
Acrylonitrile	2.0	U	2.0	0.60	ug/L			11/14/10 19:45	:
Ethyl methacrylate	2.0	U	2.0	0.38	ug/L			11/14/10 19:45	:::::::::::::::::::::::::::::::::::::::
Methyl methacrylate	2.0	U	2.0	0.44	ug/L			11/14/10 19:45	:
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.52	ug/L			11/14/10 19:45	;
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Tentatively Identified Compound	None		ug/L					11/14/10 19:45	
Surrogate	% Recovery	Qualifier	Limits	1			Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4	107		80 - 115			_		11/14/10 19:45	
Toluene-d8	104		80 - 115					11/14/10 19:45	1
Bromofluorobenzene	99		85 - 120					11/14/10 19:45	:
1,2-Dichlorobenzene-d4	. 98		80 - 115				•	11/14/10 19:45	

Client Sample ID: A0K060451-21

Date Collected: 11/04/10 14:33

Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u>u</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	Ū	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	Ü	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
lodomethane	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

Lab Sample ID: 200-2452-21

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-21

Matrix: Water

Client Sample ID: A0K060451-21

Date Collected: 11/04/10 14:33 Date Received: 11/11/10 10:20

\nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	
,1-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 20:17	
/inyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 20:17	
2,2-Dichloropropane	1.0	υ	1.0	0.23	ug/L			11/14/10 20:17	
is-1,2-Dichloroethene	0.33	J	1.0	0.18	ug/L			11/14/10 20:17	
Methyl ethyl ketone (MEK)	5.0		5.0		ug/L			11/14/10 20:17	
Bromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 20:17	
etrahydrofuran	14	Ū	14		ug/L			11/14/10 20:17	
Chloroform	1.0	U	1.0		ug/L			11/14/10 20:17	
,1,1-Trichloroethane	1.0	U	1.0		ug/L			11/14/10 20:17	
,1-Dichloropropene	1.0		1.0		ug/L			11/14/10 20:17	
Carbon tetrachloride	1.0		1.0	0.20	ug/L			11/14/10 20:17	
Benzene	1.0		1.0		ug/L			11/14/10 20:17	
.2-Dichloroethane	-1.0		1.0		ug/L			11/14/10 20:17	
richloroethene	1.0		1.0		ug/L			11/14/10 20:17	
Cyclohexane, methyl-	1.0		1.0		ug/L			11/14/10 20:17	
,2-Dichloropropane	1.0		1.0		ug/L			11/14/10 20:17	
Dibromomethane	1.0		1.0	0.21	ug/L			11/14/10 20:17	
romodichloromethane	1.0		1.0		ug/L			11/14/10 20:17	
-Chloroethyl vinyl ether	1.0		1.0	0.14	ug/L ug/L			11/14/10 20:17	
is-1,3-Dichloropropene	1.0		1.0	0.14	ug/L			11/14/10 20:17	
-Methyl-2-pentanone (MIBK)	5.0		5.0	0.74	ug/L ug/L			11/14/10 20:17	
• • • • • •	1.0		1.0	0.19	ug/L ug/L			11/14/10 20:17	
oluene	1.0		1.0	0.19	ug/L			11/14/10 20:17	
rans-1,3-Dichloropropene	1.0		1.0					11/14/10 20:17	
,1,2-Trichloroethane					ug/L			11/14/10 20:17	
etrachloroethene	1.0		1.0		ug/L				
,3-Dichloropropane	1.0		1.0	0.20	ug/L			11/14/10 20:17	
-Hexanone	5.0		5.0		ug/L			11/14/10 20:17	
Chlorodibromomethane	1.0		1.0	0.27	ug/L			11/14/10 20:17	
,2-Dibromoethane	1.0		1.0	0.21	ug/L			11/14/10 20:17	
Chlorobenzene	1.0		1.0	0.18	ug/L			11/14/10 20:17	
,1,1,2-Tetrachloroethane	1.0		1.0	0.23	ug/L			11/14/10 20:17	
thylbenzene	1.0		1.0	0.18	ug/L .			11/14/10 20:17	
n&p-Xylene	1.0		1.0		ug/L 			11/14/10 20:17	
-Xylene	1.0		1.0	0.20	ug/L 			11/14/10 20:17	
(ylenes, Total	1.0		1.0	0.61	ug/L			11/14/10 20:17	
tyrene	1.0		1.0	0.19	ug/L			11/14/10 20:17	
romoform	1.0		1.0		ug/L			11/14/10 20:17	
sopropylbenzene	1.0		1.0		ug/L			11/14/10 20:17	
romobenzene	1.0		1.0		ug/L			11/14/10 20:17	
,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/14/10 20:17	
,2,3-Trichloropropane	1.0		1.0		ug/L			11/14/10 20:17	
-Propylbenzene	1.0		1.0		ug/L			11/14/10 20:17	
-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	
-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 20:17	
,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	
ert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 20:17	
,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 20:17	
ec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 20:17	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-21

Matrix: Water

Client Sample ID: A0K060451-21

Date Collected: 11/04/10 14:33 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MD	L Unit	D	Prepared	Analyzed	Dil Fac
p-lsopropyltoluene	1.0	Ū	1.0	0.1	ug/L			11/14/10 20:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.1	7 ug/L			11/14/10 20:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.2	3 ug/L			11/14/10 20:17	1
n-Butylbenzene	1.0	U	1.0	0.1	9 ug/L			11/14/10 20:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.3	3 ug/L			11/14/10 20:17	1
1,2,4-Trichlorobenzene	1.0	Ü	1.0	0.1	5 ug/L			11/14/10 20:17	1
Hexachlorobutadiene	1.0	U	- 1.0	0.2	1 ug/L			11/14/10 20:17	. 1
Naphthalene	1.0	U	1.0	0.1	5 ug/L			11/14/10 20:17	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.1	4 ug/L			11/14/10 20:17	1
Acrolein	5.0	U	5.0	1.	3 ug/L			11/14/10 20:17	1
Acrylonitrile	1.0	U	1.0	0.3	0 ug/L			11/14/10 20:17	1
Ethyl methacrylate	1.0	U	1.0	0,1	9 ug/L			11/14/10 20:17	1
Methyl methacrylate	1.0	U	1.0	0.2	2 ug/L			11/14/10 20:17	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.2	6 ug/L			11/14/10 20:17	1
Tenatively 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

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20 Lab Sample ID: 200-2452-22

Analyte	Result	Qualifier	RL	MDL	Unit	Ð	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.7	U^	4.7	1.8	ug/L			11/14/10 20:49	4.7
Chioromethane	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	υ	24	8.0	ug/L			11/14/10 20:49	4.7
Iodomethane	4.7	υ	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	υ	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-22

Matrix: Water

Client Sample ID: A0K060451-22

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Tetrahydrofuran	66	U	66	8.9	ug/L		-	11/14/10 20:49	4.
Chloroform	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.
,1,1-Trichloroethane	1.3	J	4.7	0.94	ug/L			11/14/10 20:49	4.
,1-Dichloropropene	4.7	Ū	4.7	0.75	ug/L			11/14/10 20:49	4.
Carbon tetrachloride	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.
Benzene	4.7	U	4.7	0.89	ug/L			11/14/10 20:49	4.
,2-Dichloroethane	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.
Frichloroethene	2.7	J	4.7	0.80	ug/L			11/14/10 20:49	4.
Cyclohexane, methyl-	16		4.7	0.75	ug/L			11/14/10 20:49	4
,2-Dichloropropane	4.7	U	4.7	0.99	ug/L			11/14/10 20:49	4
Dibromomethane	4.7	ប	4.7	0.99	ug/L			11/14/10 20:49	4.
Bromodichloromethane	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.
2-Chloroethyl vinyl ether	4.7	ับ	4.7	0.66	ug/L			11/14/10 20:49	4.
sis-1,3-Dichloropropene	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.
-Methyl-2-pentanone (MIBK)	24	U	24	3.5	ug/L			11/14/10 20:49	4.
Toluene	4.7		4.7	0.89	ug/L			11/14/10 20:49	4.
rans-1,3-Dichloropropene	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.
,1,2-Trichloroethane	4.7	U	4.7	1.0	ug/L			11/14/10 20:49	4.
Tetrachloroethene	4.7		4.7	1.6	ug/L			11/14/10 20:49	4.
1,3-Dichloropropane	4.7	U	4.7	0.94	ug/L			11/14/10 20:49	4.
2-Hexanone	24	U	24	3.9	ug/L			11/14/10 20:49	4.
Chlorodibromomethane	4.7	Ū	4.7	1.3	ug/L			11/14/10 20:49	4.
,2-Dibromoethane	4.7	U	4.7		ug/L			11/14/10 20:49	4.
Chlorobenzene	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.
I,1,1,2-Tetrachloroethane	4.7	, <i>, .</i>	4.7	1,1	ug/L			11/14/10 20:49	4.
Ethylbenzene	4.7	U	4.7	0.85	ug/L			11/14/10 20:49	4.
n&p-Xylene	4.7	U	4.7		ug/L			11/14/10 20:49	4.
p-Xylene	4.7	U	4.7		ug/L			11/14/10 20:49	4.
(ylenes, Total	4.7	U	4.7	2.9	ug/L			11/14/10 20:49	4.
Styrene	4.7	U	4.7		ug/L			11/14/10 20:49	4.
Bromoform	4.7	U	4.7	0.80	ug/L			11/14/10 20:49	4.
sopropylbenzene	4,7	U	4.7		ug/L			11/14/10 20:49	4.
Bromobenzene	4,7	U	4.7	0.94	ug/L			11/14/10 20:49	4.
1,1,2,2-Tetrachloroethane	4.7		4.7		ug/L			11/14/10 20:49	4.
1,2,3-Trichloropropane	4.7	U	4.7		ug/L			11/14/10 20:49	4.
n-Propylbenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
2-Chlorotoluene	4.7		4.7		ug/L			11/14/10 20:49	4.
4-Chlorotoluene	4.7		4.7		ug/L			11/14/10 20:49	4.
1,3,5-Trimethylbenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
ert-Butylbenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
1,2,4-Trimethylbenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
sec-Butylbenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
1,3-Dichlorobenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
p-Isopropyltoluene	4.7		4.7		ug/L			11/14/10 20:49	4
I,4-Dichlorobenzene	4.7		4.7		ug/L			11/14/10 20:49	4.
1,2-Dichlorobenzene	4.7		4.7		ug/L			11/14/10 20:49	4
n-Butylbenzene	4.7		4.7		ug/L			11/14/10 20:49	4
1,2-Dibromo-3-Chloropropane	4.7		4.7		ug/L ug/L			11/14/10 20:49	4.
• •			4.7						4. 4.
1,2,4-Trichlorobenzene Hexachlorobutadiene	4.7 4.7		4.7 4.7		ug/L ug/L			11/14/10 20:49 11/14/10 20:49	4. 4.

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-22

Matrix: Water

Client Sample ID: A0K060451-22

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

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
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/14/10 20:49	4.7
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		80 - 115					11/14/10 20:49	4.7
Toluene-d8	105		80 - 115					11/14/10 20:49	4.7
Bromofluorobenzene	102		85 - 120					11/14/10 20:49	4.7
1,2-Dichlorobenzene-d4	100		80 - 115					11/14/10 20:49	4.7

Lab Sample ID: 200-2452-23 Client Sample ID: A0K060451-23 Matrix: Water

Date Collected: 11/04/10 00:00

Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	<u>U ^ </u>	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	Ü	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	ΰ	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	Ü	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		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	Ü	1.0	0.18	ug/L			11/14/10 21:21	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-23

Matrix: Water

Client Sample ID: A0K060451-23

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Trichloroethene 1.0 Ū 1.0 0.17 11/14/10 21:21 ua/L 1.0 U Cyclohexane, methyl-1.0 0.16 ug/L 11/14/10 21:21 1,2-Dichloropropane 1.0 Ù 1.0 11/14/10 21:21 0.21 ug/L Dibromomethane 1.0 U 1.0 0.21 ua/L 11/14/10 21:21 1.0 П Bromodichloromethane 1.0 ug/L 11/14/10 21:21 0.20 2-Chloroethyl vinyl ether 1.0 ΪÌ 1.0 0.14 ug/L 11/14/10 21:21 cis-1,3-Dichloropropene 1.0 U 1.0 0.18 ug/L 11/14/10 21:21 5.0 U 5.0 4-Methyl-2-pentanone (MIBK) 0.74 ua/L 11/14/10 21:21 1.0 U Toluene 1.0 0.19 ug/L 11/14/10 21:21 1.0 U 11/14/10 21:21 trans-1,3-Dichloropropene 1.0 0.20 ug/L 1.0 U 11/14/10 21:21 1.1.2-Trichloroethane 1.0 0.22 ua/L 0.34 Tetrachloroethene 1.0 U 11/14/10 21:21 1.0 ug/L 1,3-Dichloropropane 1.0 U 1.0 0.20 11/14/10 21:21 2-Hexanone 5.0 5.0 0.82 ug/L 11/14/10 21:21 1.0 U 11/14/10 21:21 Chlorodibromomethane 10 0.27 ua/L 1,2-Dibromoethane 1.0 U 1.0 0.21 ug/L 11/14/10 21:21 Chlorobenzene 1.0 U 1.0 0.18 ug/L 11/14/10 21:21 1.0 U 0.23 1.1.1.2-Tetrachloroethane 1.0 11/14/10 21:21 ug/L Ethylbenzene 1.0 U 1.0 0.18 ug/L 11/14/10 21:21 1.0 U 1.0 0.40 11/14/10 21:21 m&p-Xylene 1.0 U 1.0 11/14/10 21:21 o-Xvlene 0.20 ua/L 1.0 U 1.0 11/14/10 21:21 Xylenes, Total 0.61 ug/L Styrene 1.0 U 1.0 0.19 11/14/10 21:21 Bromoform 1.0 U 1.0 0.17 ug/L 11/14/10 21:21 1.0 U Isopropylbenzene 1.0 0.22 ua/L 11/14/10 21:21 Bromobenzene 1.0 U 1.0 0.20 11/14/10 21:21 1,1,2,2-Tetrachloroethane 1.0 U 1.0 0.22 ug/L 11/14/10 21:21 1,2,3-Trichloropropane 1.0 U 1.0 0.24 ua/L 11/14/10 21:21 n-Propylbenzene 1.0 U 1.0 0.22 ug/L 11/14/10 21:21 2-Chlorotoluene 1.0 U 1.0 0.23 ug/L 11/14/10 21:21 4-Chlorotoluene 1.0 U 1.0 0.25 ug/L 11/14/10 21:21 1,3,5-Trimethylbenzene 1.0 U 1.0 0.22 ug/L 11/14/10 21:21 tert-Butylbenzene 1.0 U 1.0 0.23 11/14/10 21:21 1,2,4-Trimethylbenzene 1.0 U 1.0 0.21 ug/L 11/14/10 21:21 sec-Butylbenzene 1.0 U 1.0 0.22 ua/L 11/14/10 21:21 1,3-Dichlorobenzene 1.0 U 1.0 0.19 ug/L 11/14/10 21:21 p-Isopropyltoluene 1.0 U 1.0 0.19 ug/L 11/14/10 21:21 1.4-Dichlorobenzene 1.0 U 1.0 0.17 ug/L 11/14/10 21:21 1,2-Dichlorobenzene 1.0 U 1.0 0.23 ug/L 11/14/10 21:21 n-Butvlbenzene 1.0 U 1.0 0.19 ua/L 11/14/10 21:21 1,2-Dibromo-3-Chloropropane 1.0 U 1.0 0.33 ug/L 11/14/10 21:21 ug/L 1,2,4-Trichlorobenzene 1.0 U 1.0 0.15 11/14/10 21:21 Hexachlorobutadiene 1.0 U 1.0 0.21 ug/L 11/14/10 21:21 Naphthalene 1.0 U 1.0 0.15 ug/L 11/14/10 21:21 1,2,3-Trichlorobenzene 0.14 ug/L 1.0 U 11/14/10 21:21 1.0 Acrolein 5.0 Ш 5.0 11/14/10 21:21 Acrylonitrile 1.0 1.0 0.30 ug/L 11/14/10 21:21 Ethyl methacrylate 1.0 U 1.0 ug/L 0.19 11/14/10 21:21 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











Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-23

Matrix: Water

Client Sample ID: A0K060451-23

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Tenatively 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: A0K060451-24

Date Collected: 11/04/10 00:00

Date Received: 11/11/10 10:20

Lab	Sample	ID:	200-2452-24

Analyte		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
lodomethane	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	Ü	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		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	Ú	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
Bromochioromethane	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	Ü	1.0	0.19	ug/L			11/14/10 21:53	1
1,2-Dichloroethane	1.0	Ų	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-24

Matrix: Water

Client Sample ID: A0K060451-24

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organ ^{Analyte}	Result	Qualifier	RL	MDL	_ Unit	D	Prepared	Analyzed	Dil Fa
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	-
1,1,2-Trichloroethane	1.0	U	1.0	0.22	2 ug/L			11/14/10 21:53	
Tetrachloroethene	1.0	U	1.0	0.34	l ug/L			11/14/10 21:53	
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/14/10 21:53	
2-Hexanone	5.0	U	5.0	0.82	2 ug/L			11/14/10 21:53	
Chlorodibromomethane	1.0	Ü	1.0	0.27	ug/L			11/14/10 21:53	
1,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	
Chlorobenzene	1.0	U	1.0	0.18	3 ug/L			11/14/10 21:53	
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/14/10 21:53	
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/14/10 21:53	
n&p-Xylene	1.0	U	1.0	0.40	ug/L			11/14/10 21:53	
-Xylene	1.0	U	1.0		ug/L			11/14/10 21:53	
(ylenes, Total	1.0	U	1.0	0.61				11/14/10 21:53	
Styrene	1.0	U	1.0		ug/L			11/14/10 21:53	
Bromoform	1.0		1.0		ug/L			11/14/10 21:53	• • • • • •
sopropylbenzene	1.0		1.0		ug/L			11/14/10 21:53	
Bromobenzene	1.0		1.0		ug/L			11/14/10 21:53	
,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/14/10 21:53	
,2,3-Trichloropropane	1.0		1.0		ug/L			11/14/10 21:53	
-Propylbenzene	1.0		1,0		ug/L			11/14/10 21:53	
-Chlorotoluene	1.0		1.0		ug/L ug/L			11/14/10 21:53	
-Chlorotoluene	1.0		1.0		-				
	1.0		1.0		ug/L			11/14/10 21:53	
,3,5-Trimethylbenzene					2 ug/L			11/14/10 21:53	
ert-Butylbenzene	1.0		1.0		ug/L			11/14/10 21:53	,
,2,4-Trimethylbenzene	1.0		1.0	0.21	-			11/14/10 21:53	
ec-Butylbenzene	1.0		1.0		2 ug/L			11/14/10 21:53	
,3-Dichlorobenzene	1.0		1.0		ug/L			11/14/10 21:53	•
-Isopropyltoluene			1.0	0.19	-			11/14/10 21:53	•
,4-Dichlorobenzene	1.0		1.0	0.17	-			11/14/10 21:53	
,2-Dichlorobenzene	1.0		1.0	0.23	ug/L			11/14/10 21:53	
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 21:53	•
,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 21:53	
,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/14/10 21:53	
lexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 21:53	
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 21:53	
,2,3-Trichlorobenzene	1.0	Ü	1.0	0.14	ug/L			11/14/10 21:53	
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 21:53	
crylonitrile	1.0	U	1.0	0.30	ug/L			11/14/10 21:53	
Ethyl methacrylate	1.0	Ū	1.0	0.19	ug/L			11/14/10 21:53	
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 21:53	
rans-1,4-Dichloro-2-butene	1.0	U	1.0	0,26	ug/L			11/14/10 21:53	•
enatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
entatively Identified Compound	None		ug/L	_				11/14/10 21:53	-
urrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
,2-Dichloroethane-d4	106		80 - 115					11/14/10 21:53	
Toluene-d8	103		80 - 115					11/14/10 21:53	
Bromofluorobenzene	100		85 - 120					11/14/10 21:53	1
,2-Dichlorobenzene-d4	100		80 - 115					11/14/10 21:53	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-25

Matrix: Water

Client Sample ID: A0K060451-25

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Calcomenhane 1.0 U 1.0 0.23 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.34 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.35 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.35 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.35 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.35 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.35 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.20 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.20 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.20 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.2-Dichlorosthene 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.2-Dichlorosthene 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.2-Dichlorosthene 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.31 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.32 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.32 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.32 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.32 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.32 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.02 µgl. 11/4/10 22:25 Prince plantame 1.0 U 1.0 0.02 µgl. 11/4/1	8260B - Volatile Organic Com		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Vinyl choisie	luoromethane	1.0	U ^	1.0	0.38	ug/L			11/14/10 22:25	
Bromomethane	hane	1.0	U	1.0	0.28	ug/L			11/14/10 22:25	
Chloroethane	ide	1.0	U	1.0	0.34	ug/L			11/14/10 22:25	
Trichlorofluoromethane 1.0 U 1.0 0.36 ug/L 11/14/10 2225 1.1-Dichloroethane 1.0 U 1.0 0.23 ug/L 11/14/10 2225 Acetone 5.0 U 5.0 1.7 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.18 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.13 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.13 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.13 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.14 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.31 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.32 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.37 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.37 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.37 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/10 2225 Carbon distribution disulfide 1.0 U 1.0 0.39 ug/L 11/14/1	hane	1.0	Ū	1.0	0.29	ug/L			11/14/10 22:25	
1.1-Dichloroethene	ane	1.0	U	1.0	0.39	ug/L			11/14/10 22:25	
1,1,2-Trichloro-1,2,2-trilluoroethane	uoromethane	1.0	U	1.0	0.36	ug/L			11/14/10 22:25	
Acetone 5.0 U 5.0 1.7 ug/L 11/14/10 2225 lodomethane 1.0 U 1.0 0.18 ug/L 11/14/10 2225 lodomethane 1.0 U 1.0 0.18 ug/L 11/14/10 2225 lodomethane 1.0 U 1.0 0.18 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.25 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.25 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.31 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.31 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.31 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.21 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.21 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.22 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.23 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.23 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.28 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.28 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.28 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.28 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.28 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.037 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.37 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.37 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.18 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.18 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.19 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.19 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20 ug/L 11/14/10 2225 logomethane 1.0 U 1.0 0.20	roethene	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	
Carbon disulfide	loro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	
Carbon disulfide 1.0 U 1.0 0.13 ug/L 11/14/10 22:25 ug/L 11/14/10		5.0	U	5.0	1.7	ug/L			11/14/10 22:25	
Methylene Chloride	ne	1.0	Ū	1.0	0.18	ug/L			11/14/10 22:25	
trans-1,2-Dichloroethene 1.0 U 1.0 0.14 ug/L 11/14/10 22.25 1,2-Dichloroethene, Total 1.0 U 1.0 0.31 ug/L 11/14/10 22.25 1,1-Dichloroethene, Total 1.0 U 1.0 0.21 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.21 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.26 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.26 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.26 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.27 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.31 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.31 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.31 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.37 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.06 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.09 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.16 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.16 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.16 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22.25 1,1-Dichlo	ulfide	1.0	U	1.0	0.13	ug/L			11/14/10 22:25	
1,2-Dichloroethene, Total 1,0 U 1,0 0,31 ug/L 11/14/10 22.25 Methyl-Ebuyl Ether (MTBE) 1,0 U 1,0 0,21 ug/L 11/14/10 22.25 Viryl acetate 1,0 U 1,0 0,26 ug/L 11/14/10 22.25 Viryl acetate 1,0 U 1,0 0,28 ug/L 11/14/10 22.25 Weltyl ethyl e	Chloride	1.0	U	1.0	0.25	ug/L			11/14/10 22:25	
Methyl-t-Butyl Ether (MTBE) 1.0 U 1.0 0.21 ug/L 11/4/10 22.25 (1,1-Dichioroethane 1.0 U 1.0 0.16 ug/L 11/4/10 22.25 (1,1-Dichioroethane 1.0 U 1.0 0.26 ug/L 11/4/10 22.25 ug/L 11/4/10 2	Dichloroethene	1.0	Ü	1.0	0.14	ug/L			11/14/10 22:25	
1,1-Dichloroethane 1.0 U 1.0 0.18 ug/L 11/14/10 22:25 v/lnyl acctate 1.0 U 1.0 0.26 ug/L 11/14/10 22:25 v/lnyl acctate 1.0 U 1.0 0.26 ug/L 11/14/10 22:25 ug/L 11/14/1	roethene, Total	1.0	U	1.0					11/14/10 22:25	
1,1-Dichloroethane 1.0 U 1.0 0.18 tg/L 11/14/10 22:25 Viryl acetate 1.0 U 1.0 0.23 tg/L 11/14/10 22:25 Viryl acetate 1.0 U 1.0 0.23 tg/L 11/14/10 22:25 Sis-1,2-Dichloroethene 1.0 U 1.0 0.18 tg/L 11/14/10 22:25 Methyl ethyl ketone (MEIK) 5.0 U 5.0 1.0 ug/L 11/14/10 22:25 Tetrahydrofuran 14 U 1.0 0.37 ug/L 11/14/10 22:25 Chloroform 1.0 U 1.0 0.20 ug/L 11/14/10 22:25 Chloroform 1.0 U 1.0 0.20 ug/L 11/14/10 22:25 Li-1-Dichloroptorporpene 1.0 U 1.0 0.20 ug/L 11/14/10 22:25 Li-2-Dichloroethane 1.0 U 1.0 0.20 ug/L 11/14/10 22:25 Li-2-Dichloroethane 1.0 U 1.0 0.18		1.0	U			-			11/14/10 22:25	
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,		1.0	U	1.0	0.20	ug/L			11/14/10 22:25	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-25

Matrix: Water

Client Sample ID: A0K060451-25

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	Ū	1.0	0.19	ug/L			11/14/10 22:25	
Bromoform	1.0	U	1.0	0.17	ug/L			11/14/10 22:25	
Isopropyibenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/14/10 22:25	
1,1,2,2-Tetrachloroethane	1.0	Ū	1.0	0.22	ug/L			11/14/10 22:25	
1,2,3-Trichloropropane	1.0	U	1,0	0.24	ug/L			11/14/10 22:25	
n-Propylbenzene	1.0	U	1,0	0.22	ug/L			11/14/10 22:25	
2-Chlorotoluene	1.0	Ū	1.0	0.23	ug/L			11/14/10 22:25	
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 22:25	
1,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	
tert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/14/10 22:25	
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	
p-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/14/10 22:25	
1,2-Dichlorobenzene	1.0	U [,]	1.0	0.23	ug/L			11/14/10 22:25	
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/14/10 22:25	
1,2,4-Trichlorobenzene	1.0	Ū	1.0	0.15	ug/L			11/14/10 22:25	
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/14/10 22:25	
Naphthalene	1.0	U	1.0	0.15	ug/L			11/14/10 22:25	
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/14/10 22:25	
Acrolein	5.0	U	5.0	1.6	ug/L			11/14/10 22:25	
Acrylonitrile	1.0	Ų	1.0	0.30	ug/L			11/14/10 22:25	
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/14/10 22:25	• • • • • • • • • • • • • • • • • • • •
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/14/10 22:25	
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/14/10 22:25	
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Tentatively Identified Compound	None		ug/L					11/14/10 22:25	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4	104		80 - 115			_		11/14/10 22:25	
Toluene-d8	103		80 - 115					11/14/10 22:25	
Bromofluorobenzene	99		85 - 120					11/14/10 22:25	
1.2-Dichlorobenzene-d4	98		80 - 115					11/14/10 22:25	

Client Sample ID: A0K060451-26

Date Collected: 11/04/10 00:00

Date Received: 11/11/10 10:20

Lab	Sample	IU:	200-2452-26
			Matrix: Water

Method: 8260B - Volatile Organic Co	mpounds ((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	Ü	1.0	0.23	ug/L			11/14/10 22:57	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-26

Matrix: Water

Client Sample ID: A0K060451-26

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Analyte	Result Qu	alifier RL	MDL Un	it D	Prepared Analyzed	Dil F
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20 ug/	<u>/L</u>	11/14/10 22:57	
Acetone	5.0 U	5.0	1.7 ug/	/ L	11/14/10 22:57	
odomethane	1.0 U	1.0	0.18 ug	L	11/14/10 22:57	
Carbon disulfide	1.0 U	1.0	0.13 ug/	L	11/14/10 22:57	
Methylene Chloride	1.0 U	1.0	0.25 ug/	′L	11/14/10 22:57	
rans-1,2-Dichloroethene	0.69 J	1.0	0.14 ug/	<u>,</u>	11/14/10 22:57	
,2-Dichloroethene, Total	13	1.0	0.31 ug/	/ L	11/14/10 22:57	
Methyl-t-Butyl Ether (MTBE)	1.0 U	1.0	0.21 ug/	'L	11/14/10 22:57	
,1-Dichloroethane	1.0 U	1.0	0.18 ug/	rL .	11/14/10 22:57	
/inyl acetate	1.0 U	1.0	0.26 ug/	'L	11/14/10 22:57	
,2-Dichloropropane	1.0 U	1.0	0.23 ug/		11/14/10 22:57	
is-1,2-Dichloroethene	12	1.0	0.18 ug/		11/14/10 22:57	
fethyl ethyl ketone (MEK)	5.0 U	5.0	1.0 ug/		11/14/10 22:57	
Bromochloromethane	1.0 U	1.0	0.37 ug/		11/14/10 22:57	
etrahydrofuran	14 U	14	1.9 ug/		11/14/10 22:57	• • • • •
Chloroform	1.0 U	1.0	0.20 ug/		11/14/10 22:57	
.1.1-Trichloroethane	1.0 U	1.0	0.20 ug/		11/14/10 22:57	
,1-Dichloropropene	1.0 U	1.0	0.16 ug/		11/14/10 22:57	• • • • •
Carbon tetrachloride	1.0 U	1.0	0.20 ug/		11/14/10 22:57	
Senzene	1.0 U	1.0	0.19 ug/		11/14/10 22:57	
,2-Dichloroethane	5.0	1.0	0.18 ug/		11/14/10 22:57	
richloroethene	1.0 U	1.0	0.17 ug/		11/14/10 22:57	
Cyclohexane, methyl-	1.0 U	1.0	0.17 ug/		11/14/10 22:57	
,2-Dichloropropane	1.0 U	1.0	0.21 ug/		11/14/10 22:57	
Dibromomethane	1.0 U	1.0	0.21 ug/		11/14/10 22:57	
Bromodichloromethane	1.0 U	1.0	0.20 ug/		11/14/10 22:57	
-Chloroethyl vinyl ether	1.0 U	1.0	0.14 ug/		11/14/10 22:57	
is-1,3-Dichloropropene	1.0 U	1.0	0.14 ug/		11/14/10 22:57	
, ,	5.0 U	5.0	0.76 ug/		. 11/14/10 22:57	
l-Methyl-2-pentanone (MIBK) Foluene	1.0 U	1.0			11/14/10 22:57	
rans-1,3-Dichloropropene	1.0 U	1.0	0.19 ug/		11/14/10 22:57	
I.1.2-Trichloroethane			0.20 ug/			
etrachloroethene		1.0	0.22 ug/		11/14/10 22:57	
	1.0 U	1.0	0.34 ug/		11/14/10 22:57	
,3-Dichloropropane 2-Hexanone	1.0 U	1.0	0.20 ug/		11/14/10 22:57	
	5.0 U	5.0	0.82 ug/		11/14/10 22:57	
Chlorodibromomethane	1.0 U	1.0	0.27 ug/		11/14/10 22:57	
,2-Dibromoethane	1.0 U	1.0	0,21 ug/		11/14/10 22:57	
Chlorobenzene	1.0 U	1.0	0.18 ид/		11/14/10 22:57	
i,1,1,2-Tetrachloroethane	1.0 U	1.0	0.23 ug/		11/14/10 22:57	
Ethylbenzene	1.0 U	1.0	0.18 ug/		11/14/10 22:57	
n&p-Xylene	1.0 U	1.0	0.40 ug/		11/14/10 22:57	
p-Xylene	1.0 U	1.0	0.20 ug/		11/14/10 22:57	
Kylenes, Total	1.0 U	1.0	0.61 ug/		11/14/10 22:57	
Styrene	1.0 U	1.0	0.19 ug		11/14/10 22:57	
Bromoform	1.0 U	1.0	0.17 ug/	'L	11/14/10 22:57	
sopropylbenzene	1.0 U	1.0	0.22 ug		11/14/10 22:57	
Bromobenzene	1.0 U	1.0	0.20 ug/	<u>'L</u>	11/14/10 22:57	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.22 ug/	'L	11/14/10 22:57	
1,2,3-Trichloropropane	1.0 U	1.0	0.24 ug/	Ľ	11/14/10 22:57	
n-Propylbenzene	1.0 U	1.0	0.22 ug/	′L	11/14/10 22:57	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-26

Matrix: Water

Client Sample ID: A0K060451-26

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	N	IDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0		.23	ug/L			11/14/10 22:57	1
4-Chlorotoluene	1.0	U	1.0	C	.25	ug/L			11/14/10 22:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	(.22	ug/L			11/14/10 22:57	1
tert-Butylbenzene	1.0	υ	1.0		.23	ug/L			11/14/10 22:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	C).21	ug/L			11/14/10 22:57	1
sec-Butylbenzene	1.0	U	1.0	C	.22	ug/L			11/14/10 22:57	1
1,3-Dichlorobenzene	1.0	U	1.0	C	.19	ug/L			11/14/10 22:57	1
p-Isopropyltoluene	1.0	U	1.0	C	.19	ug/L			11/14/10 22:57	1
1,4-Dichlorobenzene	1.0	U	1.0	C).17	ug/L			11/14/10 22:57	1
1,2-Dichlorobenzene	1.0	U	1.0	C	.23	ug/L			11/14/10 22:57	1
n-Butylbenzene	1.0	U	1.0	C	.19	ug/L			11/14/10 22:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	C	.33	ug/L			11/14/10 22:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0		.15	ug/L			11/14/10 22:57	1
Hexachlorobutadiene	1.0	U	1.0	C	.21	ug/L			11/14/10 22:57	1
Naphthalene	1.0	U	1.0	C	.15	ug/L			11/14/10 22:57	1
1,2,3-Trichlorobenzene	1.0	Ü	1.0	C	.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	C	.30	ug/L			11/14/10 22:57	1
Ethyl methacrylate	1.0	U	1.0	C	.19	ug/L			11/14/10 22:57	1
Methyl methacrylate	1.0	U	1.0	C	.22	ug/L			11/14/10 22:57	1
trans-1,4-Dichloro-2-butene	1.0	U	1.0	C	.26	ug/L			11/14/10 22:57	1
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					<u> </u>	11/14/10 22:57	1
Surrogate	% Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	108		80 - 115				-		11/14/10 22:57	1
Toluene-d8	103		80 - 115						11/14/10 22:57	1
Bromofluorobenzene	102		85 - 120						11/14/10 22:57	1
1,2-Dichlorobenzene-d4	100		80 - 115						11/14/10 22:57	1

Client Sample ID: A0K060451-27

Date Collected: 11/03/10 12:00

Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	Đ	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
lodomethane	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	1
Carbon disulfide	0.17	JB	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

Lab Sample ID: 200-2452-27

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-27

Matrix: Water

Client Sample ID: A0K060451-27

Date Collected: 11/03/10 12:00 Date Received: 11/11/10 10:20

nalyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil F
fethyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	
,1-Dichloroethane	2.1		1.0	. 0.18	ug/L			11/14/10 23:30	
'inyl acetate	1.0	U	1.0	0.26	ug/L			11/14/10 23:30	
,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/14/10 23:30	
is-1,2-Dichloroethene	1.1		1.0	0.18	ug/L			11/14/10 23:30	
fethyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/14/10 23:30	
sromochloromethane	1.0	U	1.0	0.37	ug/L			11/14/10 23:30	
etrahydrofuran	14	U	14	1.9	ug/L			11/14/10 23:30	
Chloroform	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	
,1,1-Trichloroethane	2.3		1.0	0.20	ug/L			11/14/10 23:30	
,1-Dichloropropene	1.0		1.0	0.16	ug/L			11/14/10 23:30	
arbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/14/10 23:30	
enzene	1.0	U	1.0	0.19	ug/L			11/14/10 23:30	
,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/14/10 23:30	
richloroethene	10		1.0	0.17				11/14/10 23:30	
cyclohexane, methyl-	1.0	U	1.0		ug/L			11/14/10 23:30	
,2-Dichloropropane	1.0		1.0	0.21				11/14/10 23:30	
Dibromomethane	1.0		1.0	0.21	ug/L			11/14/10 23:30	
romodichloromethane	1.0		1.0	0.20	ug/L			11/14/10 23:30	
-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/14/10 23:30	
s-1,3-Dichloropropene	1.0		1.0	0.18	ug/L			11/14/10 23:30	
-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	-			11/14/10 23:30	
oluene	1.0		1.0		ug/L			11/14/10 23:30	
ans-1,3-Dichloropropene	1.0		1.0	0.19	•			11/14/10 23:30	
1,2-Trichloroethane	1.0		1.0		ug/L			11/14/10 23:30	
etrachloroethene	1.0		1.0		ug/L			11/14/10 23:30	
	1.0		1.0		-			11/14/10 23:30	
3-Dichloropropane				0.20	ug/L				
Hexanone	5.0		5.0		ug/L			11/14/10 23:30	
hlorodibromomethane	1.0		1.0		ug/L			11/14/10 23:30	
2-Dibromoethane	1.0		1.0	0.21	ug/L			11/14/10 23:30	
hlorobenzene	1.0		1.0	0.18	ug/L			11/14/10 23:30	
,1,1,2-Tetrachloroethane	1.0		1.0	0.23	ug/L			11/14/10 23:30	
thylbenzene	1.0		1.0	0.18	ug/L			11/14/10 23:30	
ı&p-Xylene	1.0		1.0	0.40	-			11/14/10 23:30	
-Xylene	1.0		1.0	0.20	ug/L			11/14/10 23:30	
ylenes, Total	1.0	U	1.0	0.61	-			11/14/10 23:30	
tyrene	1.0		1.0	0.19	ug/L			11/14/10 23:30	
romoform	1.0		1.0		ug/L			11/14/10 23:30	
opropylbenzene	1.0		1.0		ug/L			11/14/10 23:30	
romobenzene	1,0	U	1.0		ug/L			11/14/10 23:30	
1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/14/10 23:30	
2,3-Trichloropropane	1.0		1.0	0.24	ug/L			11/14/10 23:30	
Propylbenzene	1.0		1.0		ug/L			11/14/10 23:30	
Chlorotoluene	1.0		1.0		ug/L			11/14/10 23:30	
Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/14/10 23:30	
3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	
rt-Butylbenzene	1.0	U	1.0		ug/L			11/14/10 23:30	
,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/14/10 23:30	
ec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/14/10 23:30	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-27

Matrix: Water

Matrix: Water

Client Sample ID: A0K060451-27

Date Collected: 11/03/10 12:00 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MI	DL	Unit	D	1	Prepared	Analyzed	Dil Fac
p-lsopropyltoluene	1.0	U	1.0	0.	19	ug/L				11/14/10 23:30	1
1,4-Dichiorobenzene	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	Ų	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
Tenatively 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

Date Collected: 11/03/10 11:04 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii 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	Ü	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
lodomethane	1.0	υ	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	υ	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-28

Matrix: Water

Client Sample ID: A0K060451-28

Date Collected: 11/03/10 11:04 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Tetrahydrofuran	14	U -	14	1.9	ug/L			11/15/10 00:02	
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	
,1,1-Trichloroethane	3.5		1.0	0.20	ug/L			11/15/10 00:02	
,1-Dichloropropene	1.0	Ü	1.0	0.16	ug/L			11/15/10 00:02	
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	
Benzene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	
.2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 00:02	
richloroethene	20		1.0	0.17	ug/L			11/15/10 00:02	
cyclohexane, methyl-	1.0	υ	1.0		ug/L			11/15/10 00:02	
,2-Dichloropropane	1.0	υ	1.0	0.21	ug/L			11/15/10 00:02	
Dibromomethane	1.0	υ	1.0	0.21	ug/L			11/15/10 00:02	
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 00:02	
-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/15/10 00:02	
is-1,3-Dichloropropene	1.0	U	1.0	0.18	-			11/15/10 00:02	
-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/15/10 00:02	
Foluene	1.0		1.0		ug/L			11/15/10 00:02	
rans-1,3-Dichloropropene		U	1.0		ug/L			11/15/10 00:02	
,1,2-Trichloroethane	1.0	U ·	1.0		ug/L			11/15/10 00:02	
etrachloroethene			1.0		ug/L			11/15/10 00:02	
i,3-Dichloropropane	1.0	U	1.0	0.20	ug/L ug/L			11/15/10 00:02	
-Hexanone	5.0		5.0		ug/L			11/15/10 00:02	
Chlorodibromomethane	1.0		1.0		ug/L			11/15/10 00:02	
,2-Dibromoethane		U	1.0	0.21	-			11/15/10 00:02	
	1.0		1.0		ug/L			11/15/10 00:02	
Chlorobenzene					ug/L				
I,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/15/10 00:02	
Ethylbenzene	1.0		1.0		ug/L			11/15/10 00:02	
n&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 00:02	
p-Xylene	1.0		1.0	0.20	ug/L			11/15/10 00:02	
Kylenes, Total	1.0		1.0		ug/L 			11/15/10 00:02	
Styrene	1.0		1.0		ug/L			11/15/10 00:02	
Bromoform 	1.0		1.0		ug/L 			11/15/10 00:02	
sopropylbenzene	1.0		1.0		ug/L			11/15/10 00:02	
Bromobenzene	1.0		1.0		ug/L			11/15/10 00:02	
1,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/15/10 00:02	
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 00:02	
-Propylbenzene	1.0	. U	1.0	0,22	ug/L			11/15/10 00:02	
2-Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	
-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 00:02	
i,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	
ert-Butylbenzene	1.0	U	1.0	0.23	ug/L			11/15/10 00:02	
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 00:02	
ec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 00:02	
,3-Dichlorobenzene	1.0	υ	1.0	0.19	ug/L	,		11/15/10 00:02	
o-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 00:02	
,2-Dichlorobenzene	1.0		1.0	0.23	ug/L			11/15/10 00:02	
-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 00:02	
,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 00:02	
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 00:02	
	1.0		1.0		ug/L			11/15/10 00:02	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-28

Matrix: Water

Client Sample ID: A0K060451-28

Date Collected: 11/03/10 11:04 Date Received: 11/11/10 10:20

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	Ų	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
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L	_				11/15/10 00:02	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		80 - 115			_	_	11/15/10 00:02	1
Toluene-d8	103		80 - 115					11/15/10 00:02	1
Bromofluorobenzene	98		85 - 120					11/15/10 00:02	1
1,2-Dichlorobenzene-d4	98		80 - 115					11/15/10 00:02	1

Client Sample ID: A0K060451-29

Date Collected: 11/03/10 10:28

Date Received: 11/11/10 10:20

Lab S	Sample	ID:	200-2452-29
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Matrix: Water

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	<u>u ^</u>	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	Ū	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	υ	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
lodomethane	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	Ú	28	3.8	ug/L		•	11/15/10 00:34	2
Chloroform	2.0	ប	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	Ū	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	$\overset{\cdot }{U}$	2.0	0.36	ug/L			11/15/10 00:34	2

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-29

Matrix: Water

Client Sample ID: A0K060451-29

Date Collected: 11/03/10 10:28 Date Received: 11/11/10 10:20

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
richloroethene	160		2.0	0.34	ug/L			11/15/10 00:34	
Cyclohexane, methyl-	2.0	U	2.0	0.32	ug/L			11/15/10 00:34	
,2-Dichloropropane	2.0	ັ ປ ້	2.0	0.42	ug/L			11/15/10 00:34	
Dibromomethane	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	
romodichloromethane	2.0	U	2.0	0.40	ug/L			11/15/10 00:34	
-Chloroethyl vinyl ether	2.0	Ü	2.0	0.28	ug/L			11/15/10 00:34	
is-1,3-Dichloropropene	2.0	U	2.0	0.36	ug/L			11/15/10 00:34	
-Methyl-2-pentanone (MIBK)	10	U	10	1.5	ug/L			11/15/10 00:34	
oluene	2.0	U	2.0		ug/L			11/15/10 00:34	
ans-1,3-Dichloropropene	2.0	U	2.0		ug/L			11/15/10 00:34	
,1,2-Trichloroethane	2,0	U	2.0		ug/L			11/15/10 00:34	
etrachioroethene	2.0		2.0		ug/L			11/15/10 00:34	
,3-Dichloropropane	2.0		2.0		ug/L			11/15/10 00:34	
-Hexanone	10		10		ug/L			11/15/10 00:34	
hlorodibromomethane	2.0		2.0		ug/L			11/15/10 00:34	
,2-Dibromoethane	2.0		2.0		ug/L			11/15/10 00:34	
hlorobenzene	2,0		2.0		ug/L			11/15/10 00:34	
,1,1,2-Tetrachloroethane	2.0		2.0		ug/L			11/15/10 00:34	
thylbenzene		U	2.0		ug/L			11/15/10 00:34	
&p-Xylene	2.0	U	2.0		_			11/15/10 00:34	
• •		U	2.0		ug/L			11/15/10 00:34	
Xylene damas Tatal				0.40					
/lenes, Total	2.0		2.0		ug/L			11/15/10 00:34	
tyrene · · · · · <u>·</u> · · · · · · · · · · · · ·	2.0		2.0		ug/L			11/15/10 00:34	
romoform 	2.0		2.0		ug/L			11/15/10 00:34	
opropylbenzene		U	2.0		ug/L			11/15/10 00:34	
romobenzene	2.0		2.0		ug/L			11/15/10 00:34	
1,2,2-Tetrachloroethane	2.0		2.0		ug/L			11/15/10 00:34	
2,3-Trichloropropane	2.0	U	2.0	0.48	ug/L			11/15/10 00:34	
-Propylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	
-Chlorotoluene	2.0	U	2.0		ug/L			11/15/10 00:34	
-Chlorotoluene	2.0	U	2.0	0.50	ug/L			11/15/10 00:34	
3,5-Trimethylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	
rt-Buty!benzene	2.0	U	2.0	0.46	ug/L			11/15/10 00:34	
,2,4-Trimethylbenzene	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	
ec-Butylbenzene	2.0	U	2.0	0.44	ug/L			11/15/10 00:34	
3-Dichlorobenzene	2,0	U	2.0	0.38	ug/L			11/15/10 00:34	
Isopropyltoluene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	
4-Dichlorobenzene	2.0	U	2.0	0.34	ug/L			11/15/10 00:34	
2-Dichlorobenzene	2.0	Ü	2.0	0.46	ug/L			11/15/10 00:34	
Butylbenzene	2.0	U	2.0	0.38	ug/L			11/15/10 00:34	
2-Dibromo-3-Chloropropane	2.0	U	2.0	0.66	ug/L			11/15/10 00:34	
2,4-Trichlorobenzene	2.0	U	2.0	0.30	ug/L			11/15/10 00:34	
exachlorobutadiene	2.0	U	2.0	0.42	ug/L			11/15/10 00:34	
aphthalene	2.0	U	2.0		ug/L			11/15/10 00:34	
2,3-Trichlorobenzene	2.0		2.0		ug/L			11/15/10 00:34	
crolein	10		10		ug/L			11/15/10 00:34	
crylonitrile	2.0		2.0		ug/L			11/15/10 00:34	
thyl methacrylate	2.0		2.0		ug/L			11/15/10 00:34	
ethyl methacrylate	2.0		2.0		ug/L			11/15/10 00:34	
ans-1,4-Dichloro-2-butene		U	2.0		ug/L			11/15/10 00:34	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-29

Matrix: Water

Client Sample ID: A0K060451-29

Date Collected: 11/03/10 10:28 Date Received: 11/11/10 10:20

Tenatively Identified Compound Tentatively Identified Compound	Est. Result None	Qualifier	Unit ug/L	<u>D</u>	RT	CAS No.	Prepared	Analyzed 11/15/10 00:34	Dil Fac
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 Matrix: Water

Date Collected: 11/02/10 12:05

Date Received: 11/11/10 10:20

Analyte		Qualifier	RL.	MDL	Unit	Ð	Prepared	Analyzed	Dil Fa
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	Ū	1.5	0.44	ug/L			11/15/10 01:06	1.
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.
1,1-Dichloroethene	1.5	ΰ	1.5	0.34	ug/L			11/15/10 01:06	1.:
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	υ	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.:
trans-1,2-Dichloroethene	87		1.5	0.21	ug/L			11/15/10 01:06	1.:
1,2-Dichloroethene, Total	190		1.5	0.46	ug/L			11/15/10 01:06	1.:
Methyl-t-Butyl Ether (MTBE)	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.:
1,1-Dichloroethane	1.5	Ü	1.5	0.27	ug/L			11/15/10 01:06	1.
Vinyl acetate	1.5	U	1.5	0.39	ug/L			11/15/10 01:06	1.:
2,2-Dichloropropane	1.5	U	1.5	0.34	ug/L			11/15/10 01:06	1.:
cis-1,2-Dichloroethene	110		1.5	0.27	ug/L			11/15/10 01:06	1.6
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.
Tetrahydrofuran	21	U	21	2.8	ug/L			11/15/10 01:06	1.
Chloroform	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.
1,1,1-Trichloroethane	1.5	U	1.5	0.30	ug/L			11/15/10 01:06	1.
1,1-Dichloropropene	1.5	Ü	1.5	0.24	ug/L			11/15/10 01:06	1.
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	Ü	1.5	0.27	ug/L			11/15/10 01:06	1.
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	1.4
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	Ü	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		ug/L			11/15/10 01:06	1.5
Toluene	1.5		1.5		ug/L			11/15/10 01:06	1.6

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-30

Matrix: Water

Client Sample ID: A0K060451-30

Date Collected: 11/02/10 12:05 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organi Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.5		1.5	0.30				11/15/10 01:06	1.
1,1,2-Trichloroethane	1.5		1.5		ug/L			11/15/10 01:06	1.
Tetrachloroethene	1,5		1.5		ug/L			11/15/10 01:06	1.
1,3-Dichloropropane	1.5		1.5		ug/L			11/15/10 01:06	1.9
2-Hexanone	7.5		7.5		ug/L			11/15/10 01:06	1.5
Chlorodibromomethane	1,5		1.5		ug/L			11/15/10 01:06	1.5
1.2-Dibromoethane	1,5		1.5		ug/L			11/15/10 01:06	1.5
Chlorobenzene	1.5		1.5		ug/L			11/15/10 01:06	1.5
1,1,1,2-Tetrachloroethane	1.5		1.5		ug/L			11/15/10 01:06	1.5
Ethylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.5
m&p-Xylene	1.5		1.5		ug/L			11/15/10 01:06	1.5
o-Xylene	1.5		1.5		ug/L			11/15/10 01:06	1.9
Xylenes, Total	1.5		1.5		ug/L			11/15/10 01:06	1.5
Styrene	1.5		1.5		ug/L ug/L			11/15/10 01:06	1.5
	1.5								
Bromoform	1.5		1.5 1.5		ug/L ug/L			11/15/10 01:06	1.5
Isopropylbenzene Bromobenzene	1.5		1.5		ug/L ug/L			11/15/10 01:06	1.5
1,1,2,2-Tetrachloroethane								11/15/10 01:06	
	1.5	U	1.5		ug/L			11/15/10 01:06 11/15/10 01:06	1.5
1,2,3-Trichloropropane	1.5		1.5		ug/L				1.5
n-Propylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.5
2-Chlorotoluene	1.5		1.5		ug/L			11/15/10 01:06	1.5
4-Chlorotoluene			1.5	0.38	_			11/15/10 01:06	1.5
1,3,5-Trimethylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.5
tert-Butylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.5
1,2,4-Trimethylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.5
sec-Butylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.
1,3-Dichlorobenzene	1.5		1.5		ug/L			11/15/10 01:06	1.
p-lsopropyltoluene	1.5		1.5		ug/L			11/15/10 01:06	1.
1,4-Dichlorobenzene	1.5		1.5		ug/L			11/15/10 01:06	1.
1,2-Dichlorobenzene	1.5		1.5		ug/L		•	11/15/10 01:06	1.
n-Butylbenzene	1.5		1.5		ug/L			11/15/10 01:06	1.
1,2-Dibromo-3-Chloropropane	1.5		1.5		ug/L			11/15/10 01:06	1.
1,2,4-Trichlorobenzene	1.5	υ	1.5		ug/L			11/15/10 01:06	1.
Hexachlorobutadiene	1.5	U	1.5	0.32	ug/L			11/15/10 01:06	1.
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.
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
Tenatively 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 Fa
1,2-Dichloroethane-d4	103		80 - 115			_		11/15/10 01:06	1.8
Toluene-d8	102		80 - 115					11/15/10 01:06	1.5
Bromofluorobenzene	100		85 - 120					11/15/10 01:06	1.5

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

Date Received: 11/11/10 10:20

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-31 Lab Sa Date Collected: 11/02/10 11:30

Lab Sample ID: 200-2452-31

Matrix: Water

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1.0	U ^	1.0	0.38	ug/L		<u> </u>	11/15/10 01:38	
1.0	U	1.0	0.28	ug/L			11/15/10 01:38	
1.0	U	1.0	0.34	ug/L			11/15/10 01:38	
1.0		1.0	0.29	ug/L			11/15/10 01:38	
1.0	U	1.0	0.39	ug/L			11/15/10 01:38	
1.0	U	1.0	0.36	ug/L			11/15/10 01:38	
1.7		1.0	0.23	ug/L			11/15/10 01:38	
1.0	U	1.0	0.20	ug/L			11/15/10 01:38	
5.0	U	5.0	1.7	ug/L			11/15/10 01:38	
1.0	U	1.0	0.18	ug/L			11/15/10 01:38	
1.0	U	1.0					11/15/10 01:38	
1.0	U	1.0		_				
2.7		1.0						
		1.0		-				
	U			-				
	U							
				-				
	IJ							
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	11			-				
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				_				
				_				
				-				
				-				
				-				
1.0	U	1.0	0.40	ug/L			11/15/10 01:38	
1.0		1.0		ug/L			11/15/10 01:38	
	Result 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Result Qualifier 1.0 U	Result Qualifier RL 1.0 U 1.0 1.0	Result Qualifier RL MDL 1.0 U^ 1.0 0.38 1.0 U 1.0 0.28 1.0 U 1.0 0.34 1.0 U 1.0 0.39 1.0 U 1.0 0.36 1.7 1.0 0.23 1.0 U 1.0 0.20 5.0 U 5.0 1.7 1.0 U 1.0 0.18 1.0 U 1.0 0.18 1.0 U 1.0 0.25 2.7 1.0 0.14 2.4 1.0 0.31 1.0 U 1.0 0.24 2.7 1.0 0.18 1.0 U 1.0 0.26 1.0 U 1.0 0.26 1.0 U 1.0 0.23 22 1.0 0.18 1.0 0.20 1.0 U	Result Qualifier RL MDL Unit	Result Qualifier RL	1.0 U^ 1.0 0.38 ug/L 1.0 U 1.0 0.28 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.30 ug/L 1.1 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.18 ug/L 1.0 U 1.0 0.25 ug/L 1.0 U 1.0 0.31 ug/L 1.0 U 1.0 0.31 ug/L 1.0 U 1.0 0.31 ug/L 1.0 U 1.0 0.31 ug/L 1.0 U 1.0 0.31 ug/L 1.0 U 1.0 0.25 ug/L 2.7 1.0 0.14 ug/L 24 1.0 0.31 ug/L 1.0 U 1.0 0.25 ug/L 1.0 U 1.0 0.25 ug/L 1.0 U 1.0 0.25 ug/L 1.0 U 1.0 0.21 ug/L 1.0 U 1.0 0.25 ug/L 1.0 U 1.0 0.26 ug/L 1.0 U 1.0 0.27 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.20 ug/L 1.0 U 1.0 0.21 ug/L 1.0 U 1.0 0.22 ug/L 1.0 U 1.0 0.22 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.38 ug/L 1.0 U 1.0 0.48 ug/L 1.0 U 1.0 0.59 ug/L 1.0 U 1.0 0.44 ug/L 1.0 U 1.0 0.50 ug/L	Result Qualifier RL MDL Unit D Prepared Analyzord 1.0 U

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-31

Matrix: Water

Client Sample ID: A0K060451-31

Date Collected: 11/02/10 11:30 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	Ū	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	Ū	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
Tenatively 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

Date Collected: 11/01/10 17:55

Date Received: 11/11/10 10:20

Lab	Sample	ID:	200-2452-32
			Matrix: Water

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	Ü	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		

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-32

Matrix: Water

Client Sample ID: A0K060451-32

Date Collected: 11/01/10 17:55 Date Received: 11/11/10 10:20

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 02:10	
lodomethane	1.0	U	1.0	0.18	ug/L			11/15/10 02:10	
Carbon disulfide	1.0	U	1.0	0.13	ug/L			11/15/10 02:10	
Methylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 02:10	
trans-1,2-Dichloroethene	1.2		1.0	0.14	ug/L			11/15/10 02:10	
1,2-Dichloroethene, Total	82		1.0	0.31	ug/L			11/15/10 02:10	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 02:10	
1.1-Dichloroethane	7.7		1.0	0.18	ug/L			11/15/10 02:10	
√inyl acetate	1.0	U	1.0	0.26	ug/L			11/15/10 02:10	
2,2-Dichloropropane	1.0	U	1.0		ug/L			11/15/10 02:10	
cis-1,2-Dichloroethene	80		1.0		ug/L			11/15/10 02:10	
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/15/10 02:10	
Bromochloromethane	1.0		1.0		ug/L			11/15/10 02:10	
Tetrahydrofuran	14		14		ug/L			11/15/10 02:10	
Chloroform			1.0	0.20	ug/L			11/15/10 02:10	
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			11/15/10 02:10	
1,1-Dichloropropene	1.0		1.0		ug/L			11/15/10 02:10	
Carbon tetrachloride			1.0		ug/L			11/15/10 02:10	
Benzene	1.0	U	1.0		ug/L			11/15/10 02:10	
1,2-Dichloroethane		U	1.0		ug/L			11/15/10 02:10	
		O	1.0	0.17	-			11/15/10 02:10	
Frichloroethene	1.0 1.0	11			-			11/15/10 02:10	
Cyclohexane, methyl-			1.0	0.16					
1,2-Dichloropropane	1.0		1.0	0.21	-			11/15/10 02:10	
Dibromomethane	1.0		1.0	0.21	ug/L		i	11/15/10 02:10	
Bromodichloromethane	1.0	U	1.0	0.20				11/15/10 02:10	
2-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/15/10 02:10	
cis-1,3-Dichloropropene	1.0		1.0		ug/L			11/15/10 02:10	
4-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/15/10 02:10	
Toluene	1.0		1.0	0.19	-			11/15/10 02:10	
trans-1,3-Dichloropropene	1.0		1.0	0.20	ug/L 			11/15/10 02:10	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/15/10 02:10	
Tetrachloroethene	1.0		1.0		ug/L			11/15/10 02:10	
1,3-Dichloropropane	1.0		1.0	0.20	ug/L			11/15/10 02:10	
2-Hexanone	5.0		5.0		ug/L			11/15/10 02:10	
Chlorodibromomethane	1.0		1.0		ug/L			11/15/10 02:10	
1,2-Dibromoethane	1.0		1.0		ug/L			11/15/10 02:10	
Chlorobenzene	1.0		1.0		ug/L			11/15/10 02:10	
1,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/15/10 02:10	
Ethylbenzene	1.0	U	1.0		ug/L			11/15/10 02:10	
m&p-Xylene	1.0	U	1.0		ug/L			11/15/10 02:10	
o-Xylene	1.0	U	1.0		ug/L			11/15/10 02:10	
Xylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 02:10	
Styrene	1.0	U	1.0		ug/L			11/15/10 02:10	
Bromoform	1.0	Ü	1.0	0.17	ug/L			11/15/10 02:10	
Isopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 02:10	
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 02:10	
1,1,2,2-Tetrachloroethane	1.0		1.0	0.22	ug/L			11/15/10 02:10	
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 02:10	
n-Propylbenzene	1.0	11	1.0		ug/L			11/15/10 02:10	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-32

Matrix: Water

Client Sample ID: A0K060451-32

Date Collected: 11/01/10 17:55 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDI	. 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	υ	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	Ü	1.0	0.15	ug/L			11/15/10 02:10	1
Hexachlorobutadiene	1.0	U	1.0	0.2	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	Ü	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
Tenatively 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

Date Collected: 11/02/10 17:53

Date Received: 11/11/10 10:20

– Method: 8260B - Volatile Organic Com	pounds ((GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	Ð	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3.2	U^	3.2	1.2	ug/L			11/15/10 12:02	3.2
Chloromethane	3.2	υ	3.2	0.90	ug/L			11/15/10 12:02	3.2
Vinyl chloride	3.2	υ	3.2	1.1	ug/L			11/15/10 12:02	3.2
Bromomethane	3,2	Ü	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 11/19/2010

Lab Sample ID: 200-2452-33

Matrix: Water

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-33

Matrix: Water

Client Sample ID: A0K060451-33

Date Collected: 11/02/10 17:53 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Methyl-t-Butyl Ether (MTBE)	3.2	Ū	3.2	0.67	ug/L			11/15/10 12:02	3.
1,1-Dichloroethane	3.2	U	3.2	0.58	ug/L			11/15/10 12:02	3.
Vinyl acetate	3.2	U	3.2	0.83	ug/L			11/15/10 12:02	3.
2,2-Dichloropropane	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.
cis-1,2-Dichloroethene	11		3.2		ug/L			11/15/10 12:02	3.
Methyl ethyl ketone (MEK)	16	υ	16		ug/L			11/15/10 12:02	3.
Bromochloromethane	3.2		3.2		ug/L			11/15/10 12:02	3.
Tetrahydrofuran	45		45		ug/L			11/15/10 12:02	3.
Chloroform	3.2		3.2		ug/L			11/15/10 12:02	3.
1.1.1-Trichloroethane	7.0		3.2		ug/L			11/15/10 12:02	3.
1,1-Dichloropropene	3.2		3.2		ug/L			11/15/10 12:02	3.
Carbon tetrachloride	3.2		3.2		ug/L			11/15/10 12:02	3.
Benzene	3.2		3.2		ug/L			11/15/10 12:02	3.
1,2-Dichloroethane	3.2		3.2		ug/L			11/15/10 12:02	3.
Trichloroethene	240	-	3.2		ug/L			11/15/10 12:02	3.
Cyclohexane, methyl-	3.2	U	3.2		ug/L			11/15/10 12:02	3.
1,2-Dichloropropane	3.2		3.2		ug/L			11/15/10 12:02	3.
Dibromomethane	3.2		3.2		ug/L ug/L			11/15/10 12:02	3.
Bromodichloromethane	3.2		3.2		ug/L ug/L			11/15/10 12:02	3.
	3.2		3.2		ug/L ug/L			11/15/10 12:02	3.
2-Chloroethyl vinyl ether	3.2		3.2		ug/L ug/L			11/15/10 12:02	3.
cis-1,3-Dichloropropene	3.2 16				-			11/15/10 12:02	3. 3.
4-Methyl-2-pentanone (MIBK)			16		ug/L				
Toluene	3.2		3.2		ug/L			11/15/10 12:02	3.
trans-1,3-Dichloropropene	3.2		3.2		ug/L			11/15/10 12:02	3.
1,1,2-Trichloroethane	3.2		3,2		ug/L			11/15/10 12:02	3.
Tetrachloroethene	3.2		3.2		ug/L			11/15/10 12:02	3.
1,3-Dichloropropane	3.2		3.2		ug/L			11/15/10 12:02	3.
2-Hexanone	16		16		ug/L			11/15/10 12:02	3.
Chlorodibromomethane	3.2		3,2		ug/L			11/15/10 12:02	3.
1,2-Dibromoethane	3,2		3.2		ug/L			11/15/10 12:02	3.
Chlorobenzene	3,2		3.2		ug/L			11/15/10 12:02	3.
1,1,1,2-Tetrachloroethane	3.2		3.2		ug/L			11/15/10 12:02	3.
Ethylbenzene	3.2		3.2		ug/L			11/15/10 12:02	3.
m&p-Xylene	3.2		3.2		ug/L			11/15/10 12:02	3.
o-Xylene	3.2		3.2		ug/L			11/15/10 12:02	3.
Xylenes, Total	3.2		3.2		ug/L			11/15/10 12:02	3.
Styrene	3.2	U	3.2		ug/L			11/15/10 12:02	3.
Bromoform	3.2	U	3.2		ug/L			11/15/10 12:02	3.
Isopropylbenzene	3.2	υ	3.2	0.70	ug/L			11/15/10 12:02	3.
Bromobenzene	3.2	U	3.2	0.64	ug/L			11/15/10 12:02	3.
1,1,2,2-Tetrachloroethane	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.
1,2,3-Trichloropropane	3.2	U	3.2	0.77	ug/L			11/15/10 12:02	3.
n-Propylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.
2-Chlorotoluene	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.
4-Chlorotoluene	3.2	U	3.2	0.80	ug/L			11/15/10 12:02	3.
1,3,5-Trimethylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.
tert-Butylbenzene	3.2	U	3.2	0.74	ug/L			11/15/10 12:02	3.
1,2,4-Trimethylbenzene	3.2	U	3.2	0.67	ug/L			11/15/10 12:02	3.
sec-Butylbenzene	3.2	U	3.2	0.70	ug/L			11/15/10 12:02	3.

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-33

Matrix: Water

Client Sample ID: A0K060451-33

Date Collected: 11/02/10 17:53 Date Received: 11/11/10 10:20

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	Ü	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
Tenatively 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	% 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

Date Collected: 11/02/10 17:15 Date Received: 11/11/10 10:20 Lab Sample ID: 200-2452-34 Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit 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 11/15/10 12:34 1.7 1.7 Vinyl chloride 49 0.58 ug/L Bromomethane 1.7 U 1.7 0.49 11/15/10 12:34 ug/L Chloroethane 1.7 U 1.7 0.66 11/15/10 12:34 1.7 ug/L Trichlorofluoromethane 1.7 U 1.7 0.61 ug/L 11/15/10 12:34 1.7 1,1-Dichloroethene 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 11/15/10 12:34 2.9 ug/L 1.7 Iodomethane 1.7 U* 1.7 0.31 11/15/10 12:34 1.7 Carbon disulfide 1.7 U* 11/15/10 12:34 1.7 0.22 ug/L 1.7 Methylene Chloride 11/15/10 12:34 1.7 U 1.7 0.42 ug/L 1.7 1.7 11/15/10 12:34 trans-1,2-Dichloroethene 4.7 0.24 ug/L 1.7 1.7 11/15/10 12:34 1.7 1,2-Dichloroethene, Total 140 0.53 ug/L Methyl-t-Butyl Ether (MTBE) 1.7 U 1.7 11/15/10 12:34 1.7 0.36 ug/L 1.7 11/15/10 12:34 1,1-Dichloroethane 19 0.31 ug/L 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 1.7 ug/L cis-1,2-Dichloroethene 0.31 11/15/10 12:34 140 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 11/15/10 12:34 0.63 ug/L 1.7

TestAmerica Burlington 11/19/2010

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-34

Matrix: Water

Client Sample ID: A0K060451-34

Date Collected: 11/02/10 17:15 Date Received: 11/11/10 10:20

Analyte	ic Compounds (Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Tetrahydrofuran	24		24	3.2				11/15/10 12:34	1.
Chloroform	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.
,1,1-Trichloroethane	1.7		1.7		ug/L			11/15/10 12:34	1.
1-Dichloropropene	1.7	<i></i> .	1.7	0.27				11/15/10 12:34	
arbon tetrachloride	1.7		1.7	0.34	•			11/15/10 12:34	1.
enzene	1.7		1.7		ug/L			11/15/10 12:34	1.
.2-Dichloroethane	1.7		1.7	0.31	-			11/15/10 12:34	1.
richloroethene	1.7		1.7	0.29	ug/L			11/15/10 12:34	1.
yclohexane, methyl-	1.7		1.7	0.29				11/15/10 12:34	1.
'n de la grande de la companya de la companya de la companya de la companya de la companya de la companya de l	1.7			0.27	ug/L				
2-Dichloropropane					•			11/15/10 12:34	1.
ibromomethane	1.7		1.7	0.36	ug/L			11/15/10 12:34	1.7
romodichloromethane	1.7		1.7 		ug/L			11/15/10 12:34	1.
Chloroethyl vinyl ether	1.7		1.7		ug/L			11/15/10 12:34	1.
s-1,3-Dichloropropene	1.7		1.7		ug/L			11/15/10 12:34	1.
Methyl-2-pentanone (MIBK)	8.5		8.5		ug/L			11/15/10 12:34	1.
oluene	1.7		1.7		ug/L			11/15/10 12:34	1.
ans-1,3-Dichloropropene	1.7		1.7	0.34	ug/L			11/15/10 12:34	1.
1,2-Trichloroethane	1.7	U	1.7	0.37	ug/L			11/15/10 12:34	1.
etrachloroethene	1.7	U	1.7	0.58	ug/L	•		11/15/10 12:34	1.
3-Dichloropropane	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.
Hexanone	8.5	U	8.5	1.4	ug/L			11/15/10 12:34	1.
nlorodibromomethane	1.7	U	1.7	0.46	ug/L			11/15/10 12:34	1.
2-Dibromoethane	1.7	υ	1.7	0,36	ug/L			11/15/10 12:34	1.
nlorobenzene	1.7	U	1.7	0.31	ug/L			11/15/10 12:34	1.
1,1,2-Tetrachloroethane	1.7	Ü	1.7	0.39	ug/L			11/15/10 12:34	1.
hylbenzene	1.7	U	, 1.7	0.31	ug/L			11/15/10 12:34	1.
&p-Xylene	1.7	U	1.7	0.68	ug/L			11/15/10 12:34	1.
Xylene	1.7	U	1.7	0.34	ug/L			11/15/10 12:34	1.
/lenes, Total	1.7	U	1.7		ug/L			11/15/10 12:34	1.
yrene	1.7		1.7		ug/L			11/15/10 12:34	1.
omoform	1.7		1.7		ug/L			11/15/10 12:34	1.
opropylbenzene	1.7		1.7	0.37	-			11/15/10 12:34	1.3
romobenzene	1.7		1.7		ug/L			11/15/10 12:34	,. 1.
1,2,2-Tetrachloroethane	1.7			0.37				11/15/10 12:34	 1.
	1.7		1.7					11/15/10 12:34	1.
2,3-Trichloropropane				0.41	ug/L				
Propylbenzene	1.7		1.7		ug/L			11/15/10 12:34	1.7
-Chlorotoluene	1.7		1.7		ug/L	*		11/15/10 12:34	1.
-Chiorotoluene	1.7		1.7		ug/L 			11/15/10 12:34	1.
3,5-Trimethylbenzene	1.7		1.7		ug/L			11/15/10 12:34	1.
rt-Butylbenzene	1.7		1.7		ug/L			11/15/10 12:34	1.
2,4-Trimethylbenzene	1.7		1.7		ug/L			11/15/10 12:34	1.
ec-Butylbenzene	1.7		1.7		ug/L			11/15/10 12:34	
3-Dichlorobenzene	1.7		1.7	0.32	ug/L			11/15/10 12:34	1.
Isopropyltoluene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.
4-Dichlorobenzene	1.7	U	1.7	0.29	ug/L			11/15/10 12:34	1.
2-Dichlorobenzene	1.7	U	1.7	0.39	ug/L			11/15/10 12:34	1.
-Butylbenzene	1.7	U	1.7	0.32	ug/L			11/15/10 12:34	1.
2-Dibromo-3-Chloropropane	1.7	U	1.7	0.56	ug/L			11/15/10 12:34	1.7
,2,4-Trichlorobenzene	1.7	U	1.7	0.26	ug/L			11/15/10 12:34	1.7
exachlorobutadiene	1.7		1.7		ug/L			11/15/10 12:34	1.7

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-34

Matrix: Water

Client Sample ID: A0K060451-34

Date Collected: 11/02/10 17:15 Date Received: 11/11/10 10:20

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
Tenatively 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

Date Collected: 11/02/10 16:20

Date Received: 11/11/10 10:20

Lab Sample	ID:	200-2452-35
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Matrix: Water

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	Ü	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
lodomethane	1.0	U *	1.0	0.18	ug/Ĺ			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	Ŭ	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	Ü	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	ັບ	1.0	0.18	ug/L			11/15/10 13:06	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-35

Matrix: Water

Client Sample ID: A0K060451-35

Date Collected: 11/02/10 16:20 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organic Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Trichloroethene	1.0	U	1.0	0.17	ug/L	<u>-</u>	- Toparca	11/15/10 13:06	
Cyclohexane, methyl-	1.0	U	1.0		ug/L			11/15/10 13:06	
,2-Dichloropropane	1.0	. Ŭ	1.0	0.21				11/15/10 13:06	
ibromomethane	1.0	_	1.0	0.21	ug/L			11/15/10 13:06	
romodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	
-Chloroethyl vinyl ether	1.0	Ü	1.0	0.14	ug/L			11/15/10 13:06	
is-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	
-Methyl-2-pentanone (MIBK)	5.0		5.0	0.74	ug/L ug/L			11/15/10 13:06	
oluene	1.0		1.0	0.19	ug/L			11/15/10 13:06	
ans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L ug/L			11/15/10 13:06	
	1.0	U	1.0	0.20	_			11/15/10 13:06	
1,2-Trichloroethane					ug/L				
etrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 13:06	
,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	
-Hexanone	5.0	U	5.0		ug/L			11/15/10 13:06	
hlorodibromomethane	1.0	U	1.0	0.27	-			11/15/10 13:06	
2-Dibromoethane	1.0		1.0	0.21	ug/L			11/15/10 13:06	
hlorobenzene	1.0		1.0		ug/L			11/15/10 13:06	
,1,1,2-Tetrachioroethane	1.0	U	1.0	0.23	ug/L			11/15/10 13:06	
thylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 13:06	
n&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 13:06	
-Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 13:06	
ylenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 13:06	
tyrene	1.0	U	1.0	0.19	ug/L			11/15/10 13:06	
romoform	1.0	U	1.0	0.17	ug/L			11/15/10 13:06	
opropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	
romobenzene	1.0	˙U	1.0	0.20	ug/L			11/15/10 13:06	
1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	
,2,3-Trichloropropane	1.0	U	1.0	0.24	_			11/15/10 13:06	
-Propylbenzene	1.0	U	1.0		ug/L			11/15/10 13:06	
-Chlorotoluene	1.0	U	1.0		ug/L			11/15/10 13:06	
-Chlorotoluene	1.0	U	1,0	0.25	ug/L			11/15/10 13:06	
,3,5-Trimethylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 13:06	
ert-Butylbenzene	1.0		1.0	0.23	ug/L			11/15/10 13:06	
	1.0		1.0	0.23	_			11/15/10 13:06	
,2,4-Trimethylbenzene					ug/L				
ec-Butylbenzene	1.0		1.0		ug/L			11/15/10 13:06	
,3-Dichlorobenzene	1.0		1.0		ug/L			11/15/10 13:06	
-Isopropyltoluene	1.0		1.0		ug/L 			11/15/10 13:06	
,4-Dichlorobenzene	1.0		1.0		ug/L			11/15/10 13:06	
,2-Dichlorobenzene	1.0		1.0		ug/L			11/15/10 13:06	
-Butylbenzene	1.0		1.0		ug/L			11/15/10 13:06	
,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			11/15/10 13:06	
,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 13:06	
exachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 13:06	
aphthalene	1.0	U	1.0	0.15	ug/L			11/15/10 13:06	
,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 13:06	
crolein	5.0	U	5.0	1.6	ug/L			11/15/10 13:06	
crylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 13:06	
thyl methacrylate	1.0		1.0	0.19	ug/L			11/15/10 13:06	
Nethyl methacrylate	1.0		1.0		ug/L			11/15/10 13:06	
rans-1,4-Dichloro-2-butene	1.0		1.0		ug/L			11/15/10 13:06	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-35

Matrix: Water

Client Sample ID: A0K060451-35

Date Collected: 11/02/10 16:20 Date Received: 11/11/10 10:20

Tenatively 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

Date Collected: 11/02/10 19:05

Lab Sample ID: 200-2452-36

Matrix: Water

Date Collected: 11/02/10 19:05

Date Received: 11/11/10 10:20

Matri

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	υ	1.0	0.34	ug/L			11/15/10 13:38	1
Bromomethane	1.0	Ü	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	υ	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
lodomethane	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	Ü	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	Ü	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	υ	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	υ¨	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	Ŭ	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	Ü	1.0	0.19	ug/L			11/15/10 13:38	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-36

Matrix: Water

Client Sample ID: A0K060451-36

Date Collected: 11/02/10 19:05 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organi ^{Analyte}		Qualifier	RL	T.	IDI	Unit	D	Prepared	Analyzed	Dil Fa
trans-1,3-Dichloropropene	1.0		1.0		.20		<u> </u>	- Topurca	11/15/10 13:38	
1,1,2-Trichloroethane	1.0	_	1.0			ug/L			11/15/10 13:38	
Tetrachloroethene	1.0	U	1.0			ug/L			11/15/10 13:38	
I,3-Dichloropropane	1.0		1.0			ug/L			11/15/10 13:38	
2-Hexanone	5.0		5.0			ug/L			11/15/10 13:38	
Chlorodibromomethane	1.0		1.0			ug/L			11/15/10 13:38	
I,2-Dibromoethane	1.0		1.0			ug/L			11/15/10 13:38	
Chlorobenzene	1.0		1.0			ug/L			11/15/10 13:38	
,1,1,2-Tetrachloroethane	1.0		1.0			ug/L			11/15/10 13:38	
thylbenzene	1.0		1,0			ug/L			11/15/10 13:38	
n&p-Xylene	1.0		1.0			ug/L			11/15/10 13:38	
-Xylene	1.0		1.0			ug/L			11/15/10 13:38	
xylene (ylenes, Total	1.0		1.0).61	_			11/15/10 13:38	
Styrenes	1.0		1.0			ug/L			11/15/10 13:38	
Bromoform	1.0		1.0			ug/L ug/L			11/15/10 13:38	
	1.0		1.0			ug/∟ ug/L			11/15/10 13:38	
sopropylbenzene Bromobenzene	1.0		1.0			-			11/15/10 13:38	
						ug/L				
,1,2,2-Tetrachloroethane	1.0		1.0			ug/L			11/15/10 13:38	
,2,3-Trichloropropane	1.0	U	1.0			ug/L			11/15/10 13:38	
-Propylbenzene	1.0		1.0			ug/L			11/15/10 13:38	
-Chlorotoluene	1.0	U	1.0			ug/L			11/15/10 13:38	
-Chlorotoluene	1.0	U.	1.0			ug/L			11/15/10 13:38	
,3,5-Trimethylbenzene	1.0		1.0			ug/L			11/15/10 13:38	
ert-Butylbenzene	1.0		1.0			ug/L 			11/15/10 13:38	
,2,4-Trimethylbenzene	1.0		1.0			ug/L 			11/15/10 13:38	
ec-Butylbenzene	1.0		1.0			ug/L			11/15/10 13:38	
,3-Dichlorobenzene	1.0		1.0			ug/L			11/15/10 13:38	
p-Isopropyltoluene	1.0	U	1.0			ug/L			11/15/10 13:38	
,4-Dichlorobenzene	1.0	U	1.0			ug/L	÷		11/15/10 13:38	
,2-Dichlorobenzene	1.0	U	1.0			ug/L			11/15/10 13:38	
a-Buty!benzene	1.0	U	1.0			ug/L			11/15/10 13:38	
,2-Dibromo-3-Chloropropane	1.0		1.0			ug/L			11/15/10 13:38	
,2,4-Trichlorobenzene	1.0		1.0		1.15	ug/L			11/15/10 13:38	
fexachlorobutadiene	1.0	U	1.0		.21	ug/L			11/15/10 13:38	
Naphthalene	1.0		1.0	C).15	ug/L			11/15/10 13:38	
,2,3-Trichlorobenzene	1.0	U	1.0	C).14	ug/L			11/15/10 13:38	
Acrolein	5.0	U	5.0		1.6	ug/L			11/15/10 13:38	
Acrylonitrile	1.0	U	1.0			ug/L			11/15/10 13:38	
Ethyl methacrylate	1.0	U	1.0			ug/L			11/15/10 13:38	
Methyl methacrylate	1.0		1.0	C	.22	ug/L			11/15/10 13:38	
rans-1,4-Dichloro-2-butene	1.0	U	1.0	C	.26	ug/L			11/15/10 13:38	
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fa
Tentatively Identified Compound	None		ug/L						11/15/10 13:38	
Surrogate	% Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4	104		80 - 115						11/15/10 13:38	
Toluene-d8	101		80 - 115						11/15/10 13:38	
Bromofluorobenzene	97		85 - 120						11/15/10 13:38	
1,2-Dichlorobenzene-d4	97		80 - 115						11/15/10 13:38	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-37

Matrix: Water

Client Sample ID: A0K060451-37

Date Collected: 11/04/10 16:25 Date Received: 11/11/10 10:20

lethod: 8260B - Volatile Organic (-	•							
nalyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
ichlorodifluoromethane		<u>U ^ </u>	1.0	0.38				11/15/10 14:10	
hloromethane	1.0	U	1.0	0.28				11/15/10 14:10	
nyl chloride	1.0		1.0	0,34	ug/L			11/15/10 14:10	
romomethane	1.0	U	1.0	0.29	ug/L			11/15/10 14:10	
hloroethane	1.0	U	1.0	0.39	ug/L			11/15/10 14:10	
ichlorofluoromethane	1.0	U	1.0	0.36	ug/L			11/15/10 14:10	
1-Dichloroethene	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	
1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	
cetone	5.0	U	5.0	1.7	ug/L			11/15/10 14:10	
domethane	1.0	U *	1.0	0.18	ug/L			11/15/10 14:10	
arbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 14:10	
ethylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 14:10	
ans-1,2-Dichloroethene	0.65	J	1.0	0.14	ug/L			11/15/10 14:10	
2-Dichloroethene, Total	12		1.0	0.31	ug/L			11/15/10 14:10	
ethyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	
1-Dichloroethane	1,0	U	1.0	0.18				11/15/10 14:10	
nyl acetate	1.0		1.0	0.26	_			11/15/10 14:10	
2-Dichloropropane	1.0		1.0	0.23	-			11/15/10 14:10	
s-1,2-Dichloroethene	12		1.0	0.18				11/15/10 14:10	
ethyl ethyl ketone (MEK)	5.0	11	5.0		ug/L			11/15/10 14:10	
omochloromethane	1.0		1.0	0.37				11/15/10 14:10	
etrahydrofuran	1.0								
•	1.0		14	1.9				11/15/10 14:10	
nloroform			1.0	0.20	_			11/15/10 14:10	
1,1-Trichloroethane	1.0		1.0	0.20				11/15/10 14:10	
1-Dichloropropene	1.0		1.0	0.16				11/15/10 14:10	
arbon tetrachloride	1.0		1.0	0.20	-			11/15/10 14:10	
enzene	1.0	U	1.0	0.19	-			11/15/10 14:10	
2-Dichloroethane	5.0		1.0	0.18	_			11/15/10 14:10	
ichloroethene	1.0		1.0	0.17	ug/L			11/15/10 14:10	
yclohexane, methyl-	1.0	U	1.0	0.16				11/15/10 14:10	
2-Dichloropropane	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	
bromomethane	1.0	Ų	1.0	0.21	ug/L			11/15/10 14:10	
omodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	
Chloroethyl vinyl ether	1.0	υ	1.0	0.14	ug/L			11/15/10 14:10	
s-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 14:10	
Methyl-2-pentanone (MIBK)	5.0	บ	5.0	0.74	ug/L			11/15/10 14:10	
luene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	
ans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	
1,2-Trichloroethane	1.0	U	1.0	0.22				11/15/10 14:10	
etrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 14:10	
3-Dichloropropane	1.0	U	1.0	0.20				11/15/10 14:10	
	5.0		5.0	0.82	· ·			11/15/10 14:10	
nlorodibromomethane	1.0		1.0	0.27				11/15/10 14:10	
2-Dibromoethane	1.0		1.0	0.21	-			11/15/10 14:10	
nlorobenzene	1.0		1.0	0.18				11/15/10 14:10	
1,1,2-Tetrachloroethane	1.0		1.0						
				0.23	-			11/15/10 14:10	
hylbenzene	1.0		1.0	0.18	-			11/15/10 14:10	
&p-Xylene	1.0		1.0	0.40	•			11/15/10 14:10	
Xylene	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-37

Matrix: Water

Client Sample ID: A0K060451-37

Date Collected: 11/04/10 16:25 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Styrene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	
Bromoform	1.0	U	1.0	0.17	ug/L			11/15/10 14:10	
Isopropylbenzene	1.0	U	1.0	0,22	ug/L			11/15/10 14:10	
Bromobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 14:10	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	
1,2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 14:10	
n-Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	
2-Chlorotoluene	1,0	U	1.0	0,23	ug/L			11/15/10 14:10	
4-Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 14:10	
1,3,5-Trimethylbenzene	1.0	U	1.0	0,22	ug/L			11/15/10 14:10	
tert-Butylbenzene	1.0	Ü	1.0	0.23	ug/L			11/15/10 14:10	
1,2,4-Trimethylbenzene	1.0	U (1.0	0.21	ug/L			11/15/10 14:10	
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	
1,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	
p-IsopropyItoluene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 14:10	
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 14:10	• • • • • •
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.33	ug/L			11/15/10 14:10	
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			11/15/10 14:10	
Hexachlorobutadiene .	1.0	U	1.0	0.21	ug/L			11/15/10 14:10	
Naphthalene	1.0	U	1.0	0.15	ug/L		*	11/15/10 14:10	
1,2,3-Trichlorobenzene	1.0	U	1.0	0.14	ug/L			11/15/10 14:10	
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 14:10	
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 14:10	
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 14:10	
Methyl methacrylate	1.0	U	1.0	0.22	ug/L			11/15/10 14:10	
trans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 14:10	
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Tentatively Identified Compound	None		ug/L					11/15/10 14:10	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4	107		80 - 115					11/15/10 14:10	
Toluene-d8	102		80 - 115					11/15/10 14:10	
Bromofluorobenzene	99		85 - 120					11/15/10 14:10	
1,2-Dichlorobenzene-d4	98		80 - 115					11/15/10 14:10	

Client Sample ID: A0K060451-38

Date Collected: 11/02/10 15:25

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-38 Matrix: Water

Analyzed	Dil Fac
11/15/10 14:43	1
11/15/10 14:43	1
11/15/10 14:43	1
11/15/10 14:43	1
11/15/10 14:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit Prepared 1.0 U ^ Dichlorodifluoromethane 1.0 0.38 ug/L Chloromethane 1.0 U 1.0 0.28 ug/L Vinyl chloride 1.0 U 1.0 0.34 ug/L 1.0 U Bromomethane 1.0 0.29 ug/L 1.0 Chloroethane 1.0 U 0.39 ug/L Trichlorofluoromethane 1.0 U 1.0 0.36 ug/L 11/15/10 14:43 1,1-Dichloroethene 1.0 U 0.23 ug/L 11/15/10 14:43

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-38

Matrix: Water

Client Sample ID: A0K060451-38

Date Collected: 11/02/10 15:25 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	MIDE	Unit	Đ	Prepared	Analyzed	Dil F
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	
Acetone	5.0	U	5.0	1.7	ug/L			11/15/10 14:43	
odomethane	1.0	U *	1.0	0.18	ug/L			11/15/10 14:43	
Carbon disulfide	1.0	U *	1.0	0.13	ug/L			11/15/10 14:43	
/lethylene Chloride	1.0	U	1.0	0.25	ug/L			11/15/10 14:43	
rans-1,2-Dichloroethene	4.4		1.0	0.14	ug/L			11/15/10 14:43	
,2-Dichloroethene, Total	16		1.0	0.31	ug/L			11/15/10 14:43	
/lethyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	
,1-Dichloroethane	0.43	J	1.0		ug/L			11/15/10 14:43	
/inyl acetate	1.0	U	1.0		ug/L			11/15/10 14:43	
;,2-Dichloropropane	1.0	U	1.0	0.23	-			11/15/10 14:43	
is-1,2-Dichloroethene	11		1.0		ug/L			11/15/10 14:43	
Methyl ethyl ketone (MEK)	5.0	Н	5.0		ug/L			11/15/10 14:43	
Bromochloromethane	1.0		1.0		ug/L			11/15/10 14:43	
etrahydrofuran					ug/L			11/15/10 14:43	
Chloroform	1.0		1.0	0.20				11/15/10 14:43	
,1,1-Trichloroethane	1.0		1.0		ug/L			11/15/10 14:43	
· · · · · · · · · · · · · · · · · · ·	1.0			0.16				11/15/10 14:43	
,1-Dichloropropene			1.0		-				
Carbon tetrachloride	1.0	U	1.0		ug/L			11/15/10 14:43	
denzene	1.0	U	1.0		ug/L			11/15/10 14:43	
,2-Dichloroethane	1.0	U	1.0		ug/L			11/15/10 14:43	
richloroethene	0.64		1.0		ug/L			11/15/10 14:43	
cyclohexane, methyl-	1.0		1.0		ug/L			11/15/10 14:43	
,2-Dichloropropane	1.0	U	1.0		ug/L			11/15/10 14:43	
Dibromomethane	1.0		1.0	0.21	-			11/15/10 14:43	
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	
-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 14:43	
is-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	
-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 14:43	
oluene	1.0	U	1.0	0.19	ug/L			11/15/10 14:43	
rans-1,3-Dichloropropene	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	
,1,2-Trichloroethane	1.0	U	1.0	0.22	ug/L			11/15/10 14:43	
etrachloroethene	1.0	U	1.0	0.34	ug/L			11/15/10 14:43	
,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 14:43	
2-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 14:43	
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 14:43	
,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 14:43	
Chlorobenzene	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	
,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 14:43	
Ethylbenzene	1.0	U	1.0	0.18	ug/L			11/15/10 14:43	
n&p-Xylene	1.0	U	1.0	0.40	ug/L			11/15/10 14:43	
-Xylene	1.0	U	1.0		ug/L			11/15/10 14:43	
(ylenes, Total	1.0		1.0		ug/L			11/15/10 14:43	
Styrene	1.0		1.0		ug/L			11/15/10 14:43	
Bromoform	1.0		1.0		ug/L			11/15/10 14:43	
sopropylbenzene	1.0		1.0		ug/L			11/15/10 14:43	
Bromobenzene	1.0		1.0		ug/L			11/15/10 14:43	
1,1,2,2-Tetrachloroethane	1.0				ug/L			11/15/10 14:43	
	1.0		1.0		_				
1,2,3-Trichloropropane n-Propylbenzene		U	1.0		ug/L ug/L			11/15/10 14:43 11/15/10 14:43	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-38

Matrix: Water

Client Sample ID: A0K060451-38

Date Collected: 11/02/10 15:25 Date Received: 11/11/10 10:20

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	Ü	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	Ū	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	Ü	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
Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L	_				11/15/10 14:43	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
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

Date Collected: 11/02/10 14:40

Date Received: 11/11/10 10:20

Lab	Sample	ID:	200-2452-39
			Matrix: Water

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	υ	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
lodomethane	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 Chioride	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-39

Matrix: Water

Client Sample ID: A0K060451-39

Date Collected: 11/02/10 14:40 Date Received: 11/11/10 10:20

lethod: 8260B - Volatile Organi	-	(GC/MS) Qualifier	(Continued) RL	MDL	l Init	D	Duamanad	Amahasa	Dil Fa
nalyte				0.21		— – —	Prepared	Analyzed 11/15/10 15:15	Dil Fa
lethyl-t-Butyl Ether (MTBE)			1.0		ug/L			11/15/10 15:15	
,1-Dichloroethane	0.52			0.18					
inyl acetate	1.0		1.0		ug/L			11/15/10 15:15	
,2-Dichloropropane	1.0		1.0		ug/L			11/15/10 15:15	
is-1,2-Dichloroethene	32		1.0	0.18	-			11/15/10 15:15	
lethyl ethyl ketone (MEK)	2.2		5.0		ug/L			11/15/10 15:15	
romochloromethane	1.0		1.0	0.37				11/15/10 15:15	
etrahydrofuran		U	14		ug/L			11/15/10 15:15	
hloroform	1.0		1.0	0.20	=			11/15/10 15:15	
,1,1-Trichloroethane	1.0		1.0	0.20	ug/L			11/15/10 15:15	
,1-Dichloropropene	1.0	U	1.0	0.16	ug/L			11/15/10 15:15	
arbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	
enzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:15	
,2-Dichloroethane	1.0	U	1.0	0.18	ug/L			11/15/10 15:15	
richloroethene	31		1.0	0.17	ug/L			11/15/10 15:15	
yclohexane, methyl-	1.0	U	1.0	0.16	ug/L			11/15/10 15:15	
2-Dichloropropane	1.0	Ü	1.0	0.21	ug/L			11/15/10 15:15	
ibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 15:15	
omodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	
Chloroethyl vinyl ether	1.0		1.0	0.14	ug/L			11/15/10 15:15	
s-1,3-Dichloropropene	1.0	U.	1.0		ug/L			11/15/10 15:15	
Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/15/10 15:15	
oluene	1.0		1.0		ug/L			11/15/10 15:15	
ans-1,3-Dichloropropene	1.0		1.0		ug/L			11/15/10 15:15	
1,2-Trichloroethane	1.0		1.0		ug/L			11/15/10 15:15	
etrachloroethene	1.0		1.0	0.34				11/15/10 15:15	
	1.0		1.0	0.20	_	•		11/15/10 15:15	
3-Dichloropropane	5.0		5.0		-			11/15/10 15:15	
Hexanone			, ,		ug/L				
hlorodibromomethane	1.0		1.0		ug/L			11/15/10 15:15	
2-Dibromoethane	1.0		1.0	0.21	ug/L			11/15/10 15:15	
hlorobenzene	1.0		1.0		ug/L			11/15/10 15:15	
1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/15/10 15:15	
hylbenzene	1.0		1.0		ug/L			11/15/10 15:15	
&p-Xylene	1.0	U	1.0		ug/L			11/15/10 15:15	
Xylene	1.0	U	1.0	0,20	ug/L			11/15/10 15:15	
rlenes, Total	1.0	U	1.0	0.61	ug/L			11/15/10 15:15	
yrene	1.0	U	1.0		ug/L			11/15/10 15:15	
omoform	1.0	U	1.0	0.17	ug/L			11/15/10 15:15	
opropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	
romobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 15:15	
1,2,2-Tetrachioroethane	1.0	Ü	1.0	0.22	ug/L			11/15/10 15:15	
2,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 15:15	
Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:15	
Chlorotoluene	1.0		1.0	0.23	ug/L			11/15/10 15:15	
Chlorotoluene		U	1.0		ug/L			11/15/10 15:15	
3,5-Trimethylbenzene		U	1.0		ug/L			11/15/10 15:15	
rt-Butylbenzene		U	1.0		ug/L			11/15/10 15:15	
2,4-Trimethylbenzene	1.0		1.0		ug/L			11/15/10 15:15	
•			1.0		_				
ec-Butylbenzene 3-Dichlorobenzene	1.0		1.0		ug/L ug/L			11/15/10 15:15 11/15/10 15:15	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-39

Matrix: Water

Client Sample ID: A0K060451-39

Date Collected: 11/02/10 14:40 Date Received: 11/11/10 10:20

Analyte	Result	Qualifier	RL	M	DL	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	Ų	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	Ŭ	1.0	Ó.	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	Ų	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
Tenatively 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	

Client Sample ID: A0K060451-40 Lab Sample ID: 200-2452-40

Date Collected: 11/02/10 13:05 Date Received: 11/11/10 10:20 Lab Sample ID: 200-2452-40

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U ^	1.0	0.38	ug/L			11/15/10 15:47	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	Ü	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	υ	5.0	1.7	ug/L			11/15/10 15:47	1
lodomethane	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

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-40

Matrix: Water

Client Sample ID: A0K060451-40

Date Collected: 11/02/10 13:05 Date Received: 11/11/10 10:20

Analyte	ic Compounds (Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Tetrahydrofuran	14	Ū -	14	1.9	ug/L			11/15/10 15:47	
Chloroform	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	
1,1,1-Trichloroethane	0.31	J	1.0		ug/L			11/15/10 15:47	
1,1-Dichloropropene	1.0		1.0		ug/L			11/15/10 15:47	
Carbon tetrachloride	1.0	U	1.0		ug/L			11/15/10 15:47	
Benzene	1.0	U	1.0		ug/L			11/15/10 15:47	
i.2-Dichloroethane	1.0		1.0	0.18	-			11/15/10 15:47	
Frichloroethene	19	O	1.0		ug/L ug/L			11/15/10 15:47	
	1.0		1.0		ug/L				
Cyclohexane, methyl- ,2-Dichloropropane		υ						11/15/10 15:47	
	1.0		1.0		ug/L			11/15/10 15:47	
Dibromomethane	1.0	U	1.0	0.21	•			11/15/10 15:47	
Bromodichloromethane	1.0		1.0		ug/L			11/15/10 15:47	
2-Chloroethyl vinyl ether	1.0		1.0		ug/L			11/15/10 15:47	
sis-1,3-Dichloropropene	1.0	U	1.0		ug/L			11/15/10 15:47	
-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/15/10 15:47	
Toluene	1.0	υ	1.0	0.19	ug/L			11/15/10 15:47	
rans-1,3-Dichloropropene	1.0	υ	1.0	0.20	ug/L			11/15/10 15:47	
,1,2-Trichloroethane	1.0	υ	1.0	0.22	ug/L			11/15/10 15:47	
Tetrachloroethene	1.0	υ	1.0	0.34	ug/L			11/15/10 15:47	
,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 15:47	
-Hexanone	5.0	U	5.0	0.82	ug/L			11/15/10 15:47	
Chlorodibromomethane	1.0	U	1.0	0.27	ug/L			11/15/10 15:47	
,2-Dibromoethane	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	
Chlorobenzene	1.0	υ	1.0	0,18	ug/L			11/15/10 15:47	
,1,1,2-Tetrachloroethane	1.0	U	1.0	0.23	ug/L			11/15/10 15:47	
Ethylbenzene	1,0	υ	1.0		ug/L			11/15/10 15:47	
- n&p-Xylene	1.0	υ	1.0	0.40	_			11/15/10 15:47	
o-Xylene	1.0	υ	1.0	0.20	ug/L			11/15/10 15:47	
Kylenes, Total	1.0		1,0	0.61	•			11/15/10 15:47	
Styrene	1.0	U	1.0		ug/L			11/15/10 15:47	
Bromoform	1.0		1.0		ug/L			11/15/10 15:47	
sopropylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	
Sopropymenzene Bromobenzene	1.0		1.0						
					ug/L		<i>.</i>	11/15/10 15:47	
I,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/15/10 15:47	
1,2,3-Trichloropropane	1.0		1.0		ug/L			11/15/10 15:47	
n-Propylbenzene	1.0		1.0		ug/L			11/15/10 15:47	
2-Chlorotoluene	1.0		1.0		ug/L			11/15/10 15:47	
l-Chlorotoluene	1.0		1.0		ug/L			11/15/10 15:47	
1,3,5-Trimethylbenzene	1.0		1.0	0.22	ug/L			11/15/10 15:47	
ert-Butylbenzene	1.0	U	1.0		ug/L			11/15/10 15:47	
1,2,4-Trimethylbenzene	1.0	U	1.0	0.21	ug/L			11/15/10 15:47	
sec-Butylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 15:47	
I,3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	
o-Isopropyltoluene	1.0	U	1.0	0.19	ug/L			11/15/10 15:47	
1,4-Dichlorobenzene	1.0	U	. 1.0	0.17	ug/L			11/15/10 15:47	
,2-Dichlorobenzene	1.0	ັ ບ	1.0	0,23	ug/L			11/15/10 15:47	
n-Butylbenzene	1.0	U	1.0		ug/L			11/15/10 15:47	
,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			11/15/10 15:47	
I,2,4-Trichlorobenzene	1.0		1.0		ug/L			11/15/10 15:47	
Hexachlorobutadiene	1.0		1.0		ug/L			11/15/10 15:47	

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-40

Matrix: Water

Client Sample ID: A0K060451-40

Date Collected: 11/02/10 13:05 Date Received: 11/11/10 10:20

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
Tenatively 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

Date Collected: 11/02/10 18:27

Date Received: 11/11/10 10:20

ab	Sample	ID:	200-2452-41	
			BB - 4 1 Bf - 4	

Matrix: Water

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
lodomethane	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	<i></i>	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	Ü	1.0	0.18	ug/L			11/15/10 16:19	1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-41

Matrix: Water

Client Sample ID: A0K060451-41

Date Collected: 11/02/10 18:27 Date Received: 11/11/10 10:20

Method: 8260B - Volatile Organi ^{Analyte}	•	Qualifier	RL	MDI.	Unit	D	Prepared	Analyzed	Dil Fa
Frichloroethene	64		1.0	0.17		— - —	- 1000	11/15/10 16:19	
Cyclohexane, methyl-	1.0	U	1.0		ug/L		,	11/15/10 16:19	
,2-Dichloropropane	1.0		1.0		ug/L			11/15/10 16:19	
ibromomethane	1.0		1.0		ug/L			11/15/10 16:19	
romodichloromethane	1.0		1.0		ug/L			11/15/10 16:19	
Chloroethyl vinyl ether	1.0		1.0		ug/L			11/15/10 16:19	
s-1,3-Dichloropropene	1.0		1.0		ug/L			11/15/10 16:19	
Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/15/10 16:19	
luene	1.0	U	1.0	0.19	_			11/15/10 16:19	
ns-1,3-Dichloropropene	1.0		1.0	0.20	-			11/15/10 16:19	
1,2-Trichloroethane	1.0		1.0		ug/L			11/15/10 16:19	
trachloroethene	1.0	υ	1.0		ug/L			11/15/10 16:19	
3-Dichloropropane	1.0		1.0		ug/L			11/15/10 16:19	
Hexanone	5.0		5.0		ug/L			11/15/10 16:19	
lorodibromomethane	1.0		1.0					11/15/10 16:19	
2-Dibromoethane	1.0				ug/L				
			1.0	0.21				11/15/10 16:19	
Norobenzene	1.0		1.0	0.18				11/15/10 16:19	
1,1,2-Tetrachloroethane	1.0		1.0	0.23	-			11/15/10 16:19	
hylbenzene	1.0		1.0	0.18	-			11/15/10 16:19	
kp-Xylene	1.0		1.0	0.40				11/15/10 16:19	
Cylene	1.0		1.0	0.20				11/15/10 16:19	
lenes, Total	1.0		1.0	0.61	ug/L			11/15/10 16:19	
rene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	
omoform	1.0	U	1.0	0.17	ug/L			11/15/10 16:19	
propylbenzene	; 1.0	U	1.0	0.22	ug/L			11/15/10 16:19	
pmobenzene	1.0	U	1.0	0.20	ug/L			11/15/10 16:19	
,2,2-Tetrachloroethane	1,0	U	1.0	0.22	ug/L			11/15/10 16:19	
,3-Trichloropropane	1.0	U	1.0	0.24	ug/L			11/15/10 16:19	
Propylbenzene	1.0	U	1.0	0.22	ug/L			11/15/10 16:19	
Chlorotoluene	1.0	U	1.0	0.23	ug/L			11/15/10 16:19	
Chlorotoluene	1.0	U	1.0	0.25	ug/L			11/15/10 16:19	
3,5-Trimethylbenzene	1.0	υ	1.0	0.22	ug/L			11/15/10 16:19	
t-Butylbenzene	1.0	Ü	1.0	0.23	ug/L			11/15/10 16:19	
2,4-Trimethylbenzene	1.0	U .	1.0	0.21	ug/L			11/15/10 16:19	
c-Butylbenzene	1.0	U	1.0		ug/L			11/15/10 16:19	
3-Dichlorobenzene	1.0	U	1.0	0.19	ug/L			11/15/10 16:19	
isopropyltoluene	1.0	U	1.0		ug/L			11/15/10 16:19	
4-Dichlorobenzene	1.0		1.0		ug/L			11/15/10 16:19	
2-Dichlorobenzene	1.0		1.0		ug/L			11/15/10 16:19	
Butylbenzene	1.0		1.0		ug/L			11/15/10 16:19	
2-Dibromo-3-Chloropropane	1.0		1.0		ug/L			11/15/10 16:19	
2,4-Trichlorobenzene	1.0		1.0		ug/L			11/15/10 16:19	
exachlorobutadiene	1.0		1.0		ug/L			11/15/10 16:19	
aphthalene	1.0		1.0		ug/L ug/L			11/15/10 16:19	
2,3-Trichlorobenzene								and the second second	
	1.0		1.0		ug/L			11/15/10 16:19	
rolein	5.0		5.0		ug/L			11/15/10 16:19	
rylonitrile	1.0		1.0		ug/L			11/15/10 16:19	
hyl methacrylate	1.0		1.0		ug/L			11/15/10 16:19	
ethyl methacrylate	1.0		1.0		ug/L			11/15/10 16:19	
ans-1,4-Dichloro-2-butene	1.0	U	1.0	0.26	ug/L			11/15/10 16:19	

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

Tenatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/15/10 16:19	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
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

				Percent Sur	rogate Recove	ry (Acceptance Limits)
		12DCE	TOL	BFB	12DCB	
Lab Sample ID	Client Sample ID	(80-115)	(80-115)	(85-120)	(80-115)	
200-2452-1	AOK060451-1	108	106	103	100	
200-2452-2	A0K060451-2	106	103	99	98	
200-2452-2 MS	A0K060451-2	102	103	99	98	
200-2452-2 MSD	A0K060451-2	102	103	97	97	
200-2452-3	A0K060451-3	90	110	100	96	
200-2452-4	A0K060451-4	95	107	99	96	
200-2452-5	A0K060451-5	90	105	99	94	
200-2452-6	A0K060451-6	94	109	101	96	
200-2452-7	A0K060451-7	94	104	99	95	•
200-2452-8	A0K060451-8	93	108	101	97	
200-2452-9	A0K060451-9	90	107	98	94	
200-2452-10	A0K060451-10	86	106	99	93	
200-2452-11	A0K060451-11	85	108	100	97	
200-2452-12	A0K060451-12	105	102	100	100	
200-2452-13	A0K060451-13	102	103	101	99	
200-2452-14	A0K060451-14	106	102	99	98	
200-2452-14 MS	A0K060451-14	105	106	101	101	
200-2452-14 MSD	A0K060451-14	102	103	97	98	
200-2452-15	A0K060451-15	102	101	98	95	
200-2452-16	A0K060451-16	94	95	90	90	
200-2452-17	A0K060451-17	104	104	100	98	
200-2452-17	A0K060451-17	107	105	101	100	
200-2452-19	A0K060451-19	107	102	98	97	
200-2452-19	A0K060451-19 A0K060451-20	103	102	99	98	
200-2452-21		107	104	99	99	
	A0K060451-21		102		99 100	
200-2452-22	A0K060451-22	106		102		
200-2452-23	A0K060451-23	105	101	98	99	
200-2452-24	A0K060451-24	106	103	100	100	
200-2452-25	A0K060451-25	104	103	99	98	
200-2452-26	A0K060451-26	108	103	102	100	
200-2452-27	A0K060451-27	103	101	98	97	
200-2452-28	A0K060451-28	106	103	98	98	
200-2452-29	A0K060451-29	104	101	<u></u>	98	
200-2452-30	A0K060451-30	103	102	100	99	
200-2452-31	A0K060451-31	105	100	98	97	
200-2452-32	A0K060451-32	107	102	100	99	
200-2452-33	A0K060451-33	102	100	97	96	
200-2452-34	A0K060451-34	105	104	100	99	
200-2452-35	A0K060451-35	106	102	99	98	
200-2452-36	A0K060451-36	104	101	97	97	
200-2452-37	A0K060451-37	107	102	99	98	
200-2452-38	A0K060451-38	104	101	98	98	
200-2452-39	A0K060451-39	104	100	97	97	
200-2452-40	A0K060451-40	109	103	100	100	
200-2452-41	A0K060451-41	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	
11,2 200 000 110						

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)

Lab Sample ID: MB 200-9558/5

Matrix: Water

Analysis Batch: 9558

Client Sample ID: MB 200-9558/5

Prep Type: Total/NA

l nalida		MB Qualifier	RL	MIDI	Unit	D	Droporod	Analyzed	Dil Fa
Analyte	1.0	U Qualifier	1.0	0.38	ug/L	— – –	Prepared	Analyzed 11/13/10 10:16	DII Fa
Dichlorodifluoromethane		_			•				
Chloromethane	1.0 1.0		1.0	0.28	ug/L			11/13/10 10:16 11/13/10 10:16	
/inyl chloride			1.0		ug/L				
Bromomethane	1.0		1.0	0.29	ug/L			11/13/10 10:16	
Chloroethane	1.0		1.0	0.39	ug/L			11/13/10 10:16	
Trichlorofluoromethane	1.0		1.0		ug/L			11/13/10 10:16	
1,1-Dichloroethene	1.0		1.0		ug/L			11/13/10 10:16	
I,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0	0.20	ug/L 			11/13/10 10:16	
Acetone	5.0		5.0		ug/L			11/13/10 10:16	
odomethane	1.0		1.0		ug/L 			11/13/10 10:16	
Carbon disulfide	0.153		1.0	0.13	ug/L			11/13/10 10:16	
Methylene Chloride	1.0		1.0		ug/L			11/13/10 10:16	
rans-1,2-Dichloroethene		U	1.0		ug/L			11/13/10 10:16	
1,2-Dichloroethene, Total	1.0	U	1.0		ug/L			11/13/10 10:16	
Methyl-t-Butyl Ether (MTBE)	1.0	U	1.0	0.21	ug/L			11/13/10 10:16	
,1-Dichloroethane	1.0	ΰ	1.0		ug/L			11/13/10 10:16	
/inyl acetate	1.0	U	1.0	0.26	ug/L			11/13/10 10:16	
2,2-Dichloropropane	1.0	U	1.0	0.23	ug/L			11/13/10 10:16	
cis-1,2-Dichloroethene	1.0	U	1.0	0.18	ug/L			11/13/10 10:16	
Methyl ethyl ketone (MEK)	5.0	U	5.0	1.0	ug/L			11/13/10 10:16	
Bromochloromethane	1.0	υ	1.0	0.37	ug/L			11/13/10 10:16	
etrahydrofuran	14	U	14	1.9	ug/L			11/13/10 10:16	
hloroform	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	
,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	
,1-Dichloropropene	1.0	Ü	1.0	0.16	ug/L			11/13/10 10:16	
Carbon tetrachloride	1.0	U	1.0	0.20	ug/L			11/13/10 10:16	
Benzene	1.0	U	1.0	0.19	ug/L			11/13/10 10:16	
,2-Dichloroethane	1.0		1.0	0.18	ug/L			11/13/10 10:16	
richloroethene	1.0	U	1.0	0.17				11/13/10 10:16	
Cyclohexane, methyl-	1.0		1,0		ug/L			11/13/10 10:16	
1,2-Dichloropropane	1.0		1.0		ug/L			11/13/10 10:16	
Dibromomethane	1.0		1.0	0.21	ug/L			11/13/10 10:16	
Bromodichloromethane	1.0		1.0	0.20	ug/L			11/13/10 10:16	
2-Chloroethyl vinyl ether	1.0		1.0	0.14	-			11/13/10 10:16	
cis-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 10:16	
4-Methyl-2-pentanone (MIBK)	5.0		5.0		ug/L			11/13/10 10:16	
Foluene	1.0		1,0		ug/L			11/13/10 10:16	
rans-1,3-Dichloropropene	1.0		1.0		ug/L			11/13/10 10:16	
1,1,2-Trichloroethane	1.0		1.0		ug/L			11/13/10 10:16	
Tetrachloroethene	1.0		1.0		ug/L			11/13/10 10:16	
I,3-Dichloropropane	1.0		1.0		ug/L			11/13/10 10:16	
2-Hexanone	5.0		5.0		ug/L			11/13/10 10:16	
Chlorodibromomethane	1.0		1.0		ug/L			11/13/10 10:16	
I,2-Dibromoethane	1.0		1.0		ug/L			11/13/10 10:16	
Chlorobenzene	1.0		1.0		ug/L			11/13/10 10:16	
1,1,1,2-Tetrachloroethane	1.0		1.0		ug/L			11/13/10 10:16	
Ethylbenzene	1.0		1.0		ug/L			11/13/10 10:16	
m&p-Xylene	1.0	11	1.0	0.40	ug/L			11/13/10 10:16	

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 MR MR Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 1.0 Ū 1.0 0.61 ug/L 11/13/10 10:16 Xylenes, Total 1.0 U 1.0 0.19 11/13/10 10:16 Styrene ua/L 1.0 U Bromoform 1.0 0.17 ug/L 11/13/10 10:16 Isopropylbenzene 1.0 U 1.0 0.22 ug/L 11/13/10 10:16 Bromobenzene 1.0 U 1.0 0.20 ug/L 11/13/10 10:16 0.22 1,1,2,2-Tetrachloroethane 10 U 10 ug/L 11/13/10 10:16 1,2,3-Trichloropropane 1.0 U 1.0 0.24 11/13/10 10:16 1.0 U n-Propylbenzene 1.0 0.22 ug/L 11/13/10 10:16 2-Chlorotoluene 1.0 U 1.0 0.23 ua/L 11/13/10 10:16 4-Chlorotoluene 1.0 U 1.0 0.25 ug/L 11/13/10 10:16 1,3,5-Trimethylbenzene 1.0 U 1.0 0.22 ug/L 11/13/10 10:16 tert-Butvibenzene 1.0 U 1.0 0.23 ug/L 11/13/10 10:16 1.0 U 1.0 0.21 11/13/10 10:16 1,2,4-Trimethylbenzene ua/L sec-Butylbenzene 1.0 U 1.0 0.22 11/13/10 10:16 1.3-Dichlorobenzene 1.0 U 1.0 0.19 ug/L 11/13/10 10:16 p-Isopropyltoluene 1.0 U 1.0 11/13/10 10:16 0.19 ua/L 1,4-Dichlorobenzene 1.0 U 1.0 0.17 ug/L 11/13/10 10:16 1,2-Dichlorobenzene 1.0 U 1.0 0.23 ug/L 11/13/10 10:16 1.0 U 1.0 0.19 ua/L 11/13/10 10:16 n-Butvibenzene 1.0 U 1,2-Dibromo-3-Chloropropane 1.0 0.33 ug/L 11/13/10 10:16 5.0 U 5.0 11/13/10 10:16 Acrolein 1.6 ug/L 0.201 J 1.0 0.15 11/13/10 10:16 1.2.4-Trichlorobenzene ua/L 1.0 U 1.0 0.30 ug/L 11/13/10 10:16 Acrylonitrile Ethyl methacrylate 1.0 U 1.0 0.19 ug/L 11/13/10 10:16 Hexachlorobutadiene 1.0 U 1.0 0.21 ug/L 11/13/10 10:16 1.0 U 1.0 11/13/10 10:16 Methyl methacrylate 0.22 ug/L 1.0 Naphthalene 0.261 J 0.15 ug/L 11/13/10 10:16 1,2,3-Trichlorobenzene 0.211 J 1.0 0.14 ug/L 11/13/10 10:16 trans-1.4-Dichloro-2-butene 1.0 U 1.0 0.26 ug/l 11/13/10 10:16 MB MB CAS No. Dil Fac Tenatively Identified Compound Est. Result Qualifier Unit RT Prepared Analyzed Tentatively Identified Compound ug/L 11/13/10 10:16 None MΒ MΒ Dil Fac Surrogate % Recovery Qualifier Limits Prepared Analyzed 11/13/10 10:16 1,2-Dichloroethane-d4 108 80 - 115 11/13/10 10:16 Toluene-d8 105 80 - 115 99 85 - 120 11/13/10 10:16 Bromofluorobenzene 1,2-Dichlorobenzene-d4 98 80 - 115 11/13/10 10:16

Lab Sample ID: LCS 200-9558/3

Matrix: Water

Spike	LCS	LCS				% Rec.	
Added	Result	Qualifier	Unit	D	% Rec	Limits	
25.0	38.6		ug/L		154	35 - 190	
25.0	27.7		ug/L		111	65 - 145	
25.0	29.5		ug/L		118	85 - 120	
25.0	27.9		ug/L		112	55 - 150	
25.0	28.3		ug/L		113	80 - 125	
	25.0 25.0 25.0 25.0 25.0	Added Result 25.0 38.6 25.0 27.7 25.0 29.5 25.0 27.9	Added Result Qualifier 25.0 38.6 25.0 27.7 25.0 29.5 25.0 27.9	Added Result Qualifier Unit 25.0 38.6 ug/L 25.0 27.7 ug/L 25.0 29.5 ug/L 25.0 27.9 ug/L	Added Result Qualifier Unit D 25.0 38.6 ug/L 25.0 27.7 ug/L 25.0 29.5 ug/L 25.0 27.9 ug/L	Added Result Qualifier Unit D % Rec 25.0 38.6 ug/L 154 25.0 27.7 ug/L 111 25.0 29.5 ug/L 118 25.0 27.9 ug/L 112	Added Result Qualifier Unit D % Rec Limits 25.0 38.6 ug/L 154 35 - 190 25.0 27.7 ug/L 111 65 - 145 25.0 29.5 ug/L 118 85 - 120 25.0 27.9 ug/L 112 55 - 150

TestAmerica Burlington 11/19/2010

Client Sample ID: LCS 200-9558/3

Prep Type: Total/NA

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9558/3

Matrix: Water

Client Sample ID: LCS 200-9558/3

Prep Type: Total/NA

Matrix: water							Prep Type:	i Otal/iv
Analysis Batch: 9558	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D % F	₹ec	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-trifluoroetha	25.0	22.0		ug/L		88	85 - 120	
ne 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	L	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 ug/L		107	85 - 120	
cis-1,3-Dichloropropene	25.0	25.6		ug/L 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				105	85 - 120	
Tetrachloroethene	25.0	24.8		ug/L		99	85 - 120	
The second secon	25.0	24.8 25.8		ug/L		103	80 - 120	
1,3-Dichloropropane				ug/L		109		
2-Hexanone	125	136		ug/L		109	70 - 140 85 - 120	
Chlorodibromomethane	25.0	27.3		ug/L		105	85 - 120	
1,2-Dibromoethane	25.0	26.2		ug/L				
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	
1,1,2,2-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

Matrix: Water

Analysis Batch: 9558

Client Sample ID: LCS 200-9558/3

Prep Type: Total/NA

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% 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	1	ug/L		102	85 - 120	
1,2,4-Trimethylbenzene	25.0	25.8	1	ug/L		103	85 - 120	
sec-Butylbenzene	25.0	25.5	!	ug/L		102	85 - 120	
1,3-Dichlorobenzene	25.0	26.0	1	ug/L		104	85 - 120	
p-lsopropyltoluene	25.0	25.1	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	1	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	1	ug/L		96	55 - 150	
1,2,4-Trichlorobenzene	25.0	25.6	1	ug/L		102	85 - 120	
Acrylonitrile	25.0	26.0		ug/L		104	80 - 120	
Ethyl methacrylate	25.0	25.9	1	ug/L		104	85 - 120	
Hexachlorobutadiene	25.0	26.8	1	ug/L		107	80 - 125	
Methyl methacrylate	25.0	24.6		ıg/L		99	65 - 130	
Naphthalene	25.0	26.4	1	ug/L		106	85 - 125	
1,2,3-Trichlorobenzene	25.0	26.2	1	ug/L		105	85 - 120	
trans-1,4-Dichloro-2-butene	25.0	26.0		ug/L		104	80 - 120	

LCS LCS

Surrogate	% Recovery	Qualifier	Limits
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

Matrix: Water

Analysis Batch: 9564

Client Sample ID: MB 200-9564/5

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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
lodomethane	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

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

Client Sample ID: MB 200-9564/5

Prep Type: Total/NA

Analysis Batch: 9564	MR	MB							
Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0		1.0		ug/L		Trepareu	11/14/10 16:24	1
Vinyl acetate	1.0		1.0		ug/L			11/14/10 16:24	' 1
2,2-Dichloropropane	1.0		1.0		ug/L			11/14/10 16:24	1
cis-1,2-Dichloroethene	1.0				ug/L			11/14/10 16:24	· · · · · · · · 1
Methyl ethyl ketone (MEK)	5.0		5.0		ug/L			11/14/10 16:24	1
Bromochloromethane	1.0		1.0	0.37	_			11/14/10 16:24	1
Tetrahydrofuran	14		1.0		ug/L			11/14/10 16:24	1
Chloroform	1.0		1.0	0.20	-			11/14/10 16:24	1
	1.0		1.0		ug/L				1
1,1,1-Trichloroethane	1.0				ug/L		. <i></i>	11/14/10 16:24	
1,1-Dichloropropene			1.0		ug/L			11/14/10 16:24	1
Carbon tetrachloride	1.0		1.0		ug/L			11/14/10 16:24	1
Benzene	1.0		1.0		ug/L			11/14/10 16:24	1
1,2-Dichloroethane	1.0		1.0	0.18				11/14/10 16:24	1
Trichloroethene	1.0		1.0		ug/L			11/14/10 16:24	1
Cyclohexane, methyl-	1.0		1.0		ug/L			11/14/10 16:24	
1,2-Dichloropropane	1.0		1.0		ug/L			11/14/10 16:24	1
Dibromomethane	1.0	U	1.0		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	Ū	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	ີ ບ	1.0	0.23	ug/L			11/14/10 16:24	1
Ethylbenzene	1.0	υ	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	υ	1.0		ug/L			11/14/10 16:24	1
Xylenes, Total	1.0	U	1.0	0.61				11/14/10 16:24	1
Styrene	1.0	U	1.0		ug/L			11/14/10 16:24	1
Bromoform	1.0		1.0		ug/L			11/14/10 16:24	1
Isopropylbenzene	1.0		1.0		ug/L			11/14/10 16:24	1
Bromobenzene	1.0		1.0		ug/L			11/14/10 16:24	1
1,1,2,2-Tetrachloroethane	1.0		1.0		ug/L			11/14/10 16:24	1
1,2,3-Trichloropropane	1.0		1.0		ug/L			11/14/10 16:24	1
n-Propylbenzene	1.0		1.0		ug/L			11/14/10 16:24	1
2-Chlorotoluene	1.0								
4-Chiorotoluene	1.0		1.0		ug/L ug/L			11/14/10 16:24	1
			1.0		_			11/14/10 16:24	1
1,3,5-Trimethylbenzene	1.0		1.0		ug/L			11/14/10 16:24	1
tert-Butylbenzene	1.0		1.0		ug/L			11/14/10 16:24	1
1,2,4-Trimethylbenzene	1.0		1.0		ug/L			11/14/10 16:24	1
sec-Butylbenzene	1.0		1.0		ug/L 			11/14/10 16:24	1
1,3-Dichlorobenzene	1.0		1.0		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 11/19/2010

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 Client Sample ID: MB 200-9564/5 Matrix: Water Prep Type: Total/NA

Analysis Batch: 9564

	INID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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
	MB	MB							

CAS No. Tenatively Identified Compound Est. Result Qualifier Unit RT Prepared Analyzed Tentatively Identified Compound ug/L 11/14/10 16:24 None

MB MB

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		80 - 115		11/14/10 16:24	
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

Allalysis Datch: 9004							
	Spike	LCS	LCS				% Rec.
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits
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-trifluoroetha	25.0	21.8		ug/L		87	85 - 120
ne 							
Acetone	125	125		ug/L		100	55 - 135
lodomethane	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

Quality Control Data

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

Acrylonitrile

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 LCS LCS Spike % Rec. Added Result Qualifier Analyte Unit % Rec Limits Tetrahydrofuran 350 338 ug/L 96 80 - 125 23.3 Chloroform ug/L 93 85 - 120 1,1,1-Trichloroethane 23.4 ug/L 85 - 120 25.0 94 1,1-Dichloropropene 25.0 23.5 ug/L 94 80 - 120 25.0 23.4 94 80 - 120 Carbon tetrachioride ug/L 25.0 23,6 85 - 120 Benzene ua/L 94 1.2-Dichloroethane 25.0 23.9 ug/L 96 80 - 115Trichloroethene 25.0 24,2 97 85 - 120 ug/L Cyclohexane, methyl-25.0 23.0 92 60 - 140 ua/L ug/L 1,2-Dichloropropane 25.0 24.3 97 85 - 120 Dibromomethane 25.0 24.5 ug/L 98 85 - 120 Bromodichloromethane 25.0 25.2 ug/L 101 85 - 120 25,0 24.9 ug/L 85 - 120 2-Chloroethyl vinyl ether 100 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 ua/L 103 80 - 120 2-Hexanone 125 133 106 70 - 140 Chlorodibromomethane 25.0 26.7 ug/L 107 85 - 120 1.2-Dibromoethane 25.0 26.0 104 85 - 120 ug/L Chlorobenzene 25.0 25.4 ug/L 102 85 - 120 1,1,1,2-Tetrachloroethane 25.0 25.8 103 85 - 120 ug/L Ethylbenzene 25.0 25.3 101 85 - 120 ug/L 50.0 51.0 102 85 - 120m&p-Xvlene ua/L o-Xylene 25.0 25.4 ug/L 102 85 - 120 85 - 120 Styrene 25.0 25.8 ua/L 103 85 - 120 25.0 26.8 107 Bromoform ug/L Isopropylbenzene 25.0 25.5 ug/L 102 55 - 120 Bromobenzene 103 85 - 120 25.8 ug/L 25.0 26,6 107 85 - 120 1.1.2.2-Tetrachloroethane ua/L 25.0 80 - 115 1,2,3-Trichloropropane 23.7 ug/L 95 n-Propylbenzene 25.0 25.5 102 85 - 120 ug/L 2-Chiorotoluene 25.0 25.7 103 85 - 120 ua/L 4-Chiorotoluene 104 85 - 12025.0 25.9 ug/L 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 - 120sec-Butylbenzene 25.0 25.8 ug/L 103 85 - 120 1,3-Dichlorobenzene 25.0 26.0 ug/L 104 85 - 120 85 - 120 p-Isopropyltoluene 25.0 25.3 101 ug/L 1,4-Dichlorobenzene 25.0 25.9 ug/L 103 85 - 120 1,2-Dichlorobenzene 25.0 85 - 120 26.1 ug/L 105 25.0 25.9 ug/L 85 - 120 n-Butvibenzene 104 25.0 1,2-Dibromo-3-Chloropropane 26.8 ug/L 107 85 - 120 125 114 91 55 - 150 ug/L 1,2,4-Trichlorobenzene 25.0 25.8 103 85 - 120 ua/L

80 - 120

106

26.6

ug/L

25.0

Quality Control Data

25.0

25.0

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Client Sample ID: LCS 200-9564/3

85 - 120 80 - 120

105

Prep Type: Total/NA

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 200-9564/3

Matrix: Water Analysis Batch

trans-1,4-Dichloro-2-butene

Naphthalene 1,2,3-Trichlorobenzene

1	Analysis Batch: 9564								
	-	Spike	LCS	LCS				% Rec.	
	Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
-	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	

26.1

ug/L

ug/L

100 100

	LUG	203		
Surrogate	% Recovery	Qualifier	Limits	
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

Matrix: Water

Analysis Ratch: 9668

Client Sample ID: MB 200-9668/5 Prep Type: Total/NA

Analysis Batch: 9668	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.38	ug/L			11/15/10 08:40	1
Chioromethane	1.0	U	1.0	0.28	ug/L			11/15/10 08:40	1
Viny! chloride	1.0	U	1.0	0.34	ug/L			11/15/10 08:40	1
Bromomethane	1.0	Ü	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	Ü	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
lodomethane	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	υ	1.0	0.21	ug/L			11/15/10 08:40	1
1,1-Dichloroethane	1.0	υ	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	Ū	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
Bromochioromethane	1.0	Ü	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	Ü	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	Ü	1.0	0.16	ug/L			11/15/10 08:40	1

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	20	0-96	68/5
Pi	rep	avT	e: ˈ	Tota	I/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dichloropropane	1.0	Ū	1.0	0.21	ug/L			11/15/10 08:40	
Dibromomethane	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	
Bromodichloromethane	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	
2-Chloroethyl vinyl ether	1.0	U	1.0	0.14	ug/L			11/15/10 08:40	
cis-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/L			11/15/10 08:40	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.74	ug/L			11/15/10 08:40	
Toluene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	
trans-1,3-Dichloropropene	1.0	υ	1.0	0.20	ug/L			11/15/10 08:40	
1,1,2-Trichloroethane	1.0	υ	1.0	0.22	ug/L			11/15/10 08:40	
Tetrachloroethene	1.0	υ	1.0	0.34	ug/L			11/15/10 08:40	
1,3-Dichloropropane	1.0	U	1.0	0.20	ug/L			11/15/10 08:40	
2-Hexanone	5.0		5.0	0.82	ug/L			11/15/10 08:40	
Chlorodibromomethane	1.0	U	1.0		ug/L			11/15/10 08:40	
1,2-Dibromoethane	1.0	U	1.0	0.21	_			11/15/10 08:40	
Chlorobenzene	1.0	 U	1.0		ug/L			11/15/10 08:40	
1,1,1,2-Tetrachloroethane	1,0	U	1.0		ug/L			11/15/10 08:40	
Ethylbenzene	1.0		1.0		ug/L			11/15/10 08:40	
m&p-Xylene	1.0		1.0		ug/L			11/15/10 08:40	
o-Xylene	1.0	υ	1.0		ug/L			11/15/10 08:40	
Xylenes, Total	1.0	U	1.0		ug/L			11/15/10 08:40	
Styrene	1.0		1.0	0.19				11/15/10 08:40	
Bromoform	1.0		1.0	0.17				11/15/10 08:40	
Isopropylbenzene	1.0		1.0	0.22	_			11/15/10 08:40	
Bromobenzene	1.0	Ü	1.0	0.22				11/15/10 08:40	
	1.0	U	1.0			÷			
1,1,2,2-Tetrachloroethane					ug/L			11/15/10 08:40	
1,2,3-Trichloropropane	1.0		1.0	0.24				11/15/10 08:40	
n-Propylbenzene	1.0		1.0	0.22				11/15/10 08:40	,
2-Chlorotoluene	1.0	U	1.0		ug/L 			11/15/10 08:40	
4-Chlorotoluene	1.0	U	1.0	0.25				11/15/10 08:40	
1,3,5-Trimethylbenzene	1.0		1.0	0.22				11/15/10 08:40	
tert-Butylbenzene	1.0		1.0	0.23				11/15/10 08:40	
1,2,4-Trimethylbenzene	1.0		1.0	0.21				11/15/10 08:40	
sec-Butylbenzene	1.0		1.0	0.22	ug/L			11/15/10 08:40	•
1,3-Dichlorobenzene	1.0		1.0	0.19	ug/L			11/15/10 08:40	
p-lsopropyltoluene	1.0	U	1.0		ug/L			11/15/10 08:40	
1,4-Dichlorobenzene	1.0	U	1.0	0.17	ug/L			11/15/10 08:40	•
1,2-Dichlorobenzene	1.0	U	1.0	0.23	ug/L			11/15/10 08:40	
n-Butylbenzene	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	
1,2-Dibromo-3-Chloropropane	1.0	Ü	1.0	0.33	ug/L			11/15/10 08:40	
Acrolein	5.0	U	5.0	1.6	ug/L			11/15/10 08:40	•
1,2,4-Trichlorobenzene	0.176	J	1.0	0.15	ug/L			11/15/10 08:40	
Acrylonitrile	1.0	U	1.0	0.30	ug/L			11/15/10 08:40	
Ethyl methacrylate	1.0	U	1.0	0.19	ug/L			11/15/10 08:40	
Hexachlorobutadiene	1.0	U	1.0	0.21	ug/L			11/15/10 08:40	
Methyl methacrylate	1.0	Ü	1.0	0.22				11/15/10 08:40	
Naphthalene	0.267		1.0	0.15				11/15/10 08:40	
1,2,3-Trichlorobenzene	0.230		1.0	0.14				11/15/10 08:40	
trans-1,4-Dichloro-2-butene	1.0		1.0		ug/L			11/15/10 08:40	,

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

Tenatively Identified Compound

Tentatively Identified Compound

Client Sample ID: MB 200-9668/5

Prep Type: Total/NA

MB MB Est. Result Qualifier Unit RT CAS No. Prepared Analyzed Dil Fac

None ug/L 11/15/10 08:40 MB MB % Recovery Qualifier Limits Prepared Analyzed Dil Fac

Surrogate 1,2-Dichloroethane-d4 107 80 - 115 11/15/10 08:40 Toluene-d8 105 80 - 115 1 11/15/10 08:40 *85 - 120* Bromofluorobenzene 101 11/15/10 08:40 1,2-Dichlorobenzene-d4 99 80 - 115 11/15/10 08:40

Lab Sample ID: LCS 200-9668/3 Client Sample ID: LCS 200-9668/3 Matrix: Water Prep Type: Total/NA

Matrix: water						Prep Typ	e: I otal/NA
Analysis Batch: 9668	Spike	1.08	LCS			% Rec.	
Analyte	Added		Qualifier	Unit	D % Rec	Limits	
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-trifluoroetha	25.0	21.7		ug/L	87	85 - 120	
ne							
Acetone	125	127	.,	ug/L	101	55 - 135	
lodomethane	25.0	14.1		ug/L	56	65 - 150	i
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	
,	_*			 .		- /	

Client: TestAmerica Laboratories, Inc.

Lab Sample ID: LCS 200-9668/3

Project/Site: South Bend

Surrogate

Toluene-d8

1,2-Dichloroethane-d4

Bromofluorobenzene

1,2-Dichlorobenzene-d4

TestAmerica Job ID: 200-2452-1

Client Sample ID: LCS 200-9668/3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water Prep Type: Total/NA Analysis Batch: 9668 Spike LCS LCS % Rec. Analyte Added Result Qualifier Unit % Rec Limits 4-Methyl-2-pentanone (MIBK) 125 134 ug/L 107 80 - 120 Toluene 25.0 24.8 ug/L 99 85 - 120 85 - 120 trans-1,3-Dichloropropene 25.0 25.2 ug/L 101 1,1,2-Trichloroethane 25.0 26.3 ug/L 105 85 - 120 24.8 Tetrachioroethene 25.0 ug/L 99 85 - 120 25.4 1.3-Dichloropropage 25.0 ua/l 102 80 - 1202-Hexanone 125 138 ug/L 111 70 - 140 Chlorodibromomethane 25.0 26.7 107 85 - 120 ug/L 25.0 25.9 85 - 120 1.2-Dibromoethane ua/L 103 Chlorobenzene 25.0 25.4 ug/L 102 85 - 1201,1,1,2-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 25.6 ug/L 102 85 - 120 25.0 27.1 ug/L 108 85 - 120 Bromoform 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 25.1 100 85 - 120 2-Chlorotoluene 25.0 25.4 ug/L 102 85 - 120 4-Chlorotoluene 25.0 26.0 104 85 - 120 ug/L 1,3,5-Trimethylbenzene 25.0 25.0 ug/L 100 85 - 120 25.0 25.5 102 85 - 120 tert-Butylbenzene ug/L 1,2,4-Trimethylbenzene 25.0 25.6 102 85 - 120 ua/L 85 - 120 sec-Butvlbenzene 25.0 25.6 ug/L 102 1,3-Dichlorobenzene 25.7 ug/L 103 85 - 120 p-Isopropyltoluene 25.0 25.2 ug/L 101 85 - 120 102 1,4-Dichlorobenzene 85 - 12025.0 25.5 ug/L 1,2-Dichlorobenzene 25.0 25.8 ug/L 103 85 - 120 85 - 120 n-Butylbenzene 25,0 25.7 ug/L 103 1,2-Dibromo-3-Chloropropane 25.0 27.5 85 - 120 ua/L 110 Acrolein 125 118 ug/L 94 55 - 150 25.0 25.5 85 - 120 1,2,4-Trichlorobenzene ug/L 102 80 - 120 Acrylonitrile 25.0 25.7 103 ug/L Ethyl methacrylate 25.0 25.9 ug/L 103 85 - 120Hexachlorobutadiene 25.0 26.5 106 80 - 125 ug/L Methyl methacrylate 25.0 25,2 ua/L 101 65 - 130 26.3 105 85 - 125 Naphthalene 25.0 ug/L 1,2,3-Trichlorobenzene 25.0 26.3 105 85 - 120 ug/L trans-1,4-Dichloro-2-butene 25.0 26.4 ug/L 106 80 - 120

Limits

80 - 115

80 - 115

85 - 120

80 - 115

LCS LCS

104

103

97

96

% Recovery

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

Client Sample ID: A0K060451-2

Prep Type: Total/NA

Analysis Batch: 9668

	Sample	Sample	Spike	MS	MS				% Rec.	
Analyte	Result		Added		Qualifier	Unit	<u>D</u>	% Rec	Limits	
Acrolein		U	125	102		ug/L		81	55 - 150	
Acrylonitrile	1.0		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 ^	25.0	33.3	٨	ug/L		133	35 - 190	
Chloromethane	1.0	Ú	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	υ υ	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-trifluoroetha ne	1.0	Ú	25.0	21.3		ug/L		85	85 - 120	
Acetone	5.0	U	125	121		ug/L		97	55 - 135	
Iodomethane	1.0	υ	25.0	14.5	F	ug/L		58	65 - 150	
Carbon disulfide	1.0	ບ	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		25.0	23.3		ug/L		93	85 - 120	
Methyl ethyl ketone (MEK)	5.0		125	126		ug/L		100	75 - 130	
Bromochloromethane	1.0		25.0	23.7		ug/L		95	85 - 120	
Tetrahydrofuran	14		350	336		ug/L		96	80 - 125	
Chloroform	1.0		25.0	23.1		ug/L		93	85 - 120	
1,1,1-Trichloroethane	1.0		25.0	23,3		ug/L		93	85 - 120	
1,1-Dichloropropene	1.0		25.0	22.8		ug/L		91	80 - 120	
Carbon tetrachloride	1.0		25.0	23.4		ug/L		93	80 - 120	
Benzene	1.0		25.0	23.4		ug/L		94	85 - 120	
		U	25.0	23.7		-		95	80 - 115	
1,2-Dichloroethane Trichloroethene		U				ug/L		94	85 - 120	
	and the second second		25.0	23.6		ug/L		89	60 - 140	
Cyclohexane, methyl-		U	25.0	22.2		ug/L				
1,2-Dichloropropane		U	25.0	24.4		ug/L		98	85 - 120	
Dibromomethane	1.0		25.0	24.4		ug/L		98	85 - 120	
Bromodichloromethane	1.0	-	25.0	25.2		ug/L		101	85 - 120	
2-Chloroethyl vinyl ether	1.0		25.0		UF	ug/L		0	85 - 120	
cis-1,3-Dichloropropene	1.0		25.0	24.3		ug/L		97	85 - 120	
4-Methyl-2-pentanone (MIBK)	5.0		125	134		ug/L		107	80 - 120	
Toluene	0.38		25.0	24.8		ug/L		98	85 - 120	
trans-1,3-Dichloropropene	1.0		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	υ	25.0	26.0		ug/L		104	85 - 120	
Chlorobenzene	1.0	Ú	25.0	25.3		ug/L		101	85 - 120	

1,2,3-Trichlorobenzene

Analysis Batch: 9668

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 Databy 0000

Analysis Batch: 9668										
Analyse	•	Sample Qualifier	Spike Added	MS	MS	11	_	N/ D	% Rec.	
Analyte 1,1,1,2-Tetrachloroethane	1.0		25.0	25.9	Qualifier	- Unit	D	% Rec	Limits	
Ethylbenzene	1.0		25.0	25.9		ug/L		104	85 - 120	
and the second of the second o						ug/L		100	85 - 120	
m&p-Xylene	1.0		50.0	50.1		ug/L		100	85 - 120	
o-Xylene	1.0		25.0	25.3		ug/L		101	85 - 120	
Styrene	1.0		25.0	24.8		ug/L		99	85 - 120	
Bromoform	1.0		25.0	26.7		ug/L		107	85 - 120	
Isopropylbenzene	1.0	U	25.0	25.6		ug/L		102	55 - 120	
Bromobenzene	1.0	U	25.0	26.0		ug/L		104	85 - 120	
1,1,2,2-Tetrachloroethane	1.0	υ	25.0	27.8		ug/L		111	85 - 120	
1,2,3-Trichloropropane	1.0	U	25.0	24.3		ug/L		97	80 - 115	
n-Propylbenzene	1.0	U	25.0	25.1		ug/L		100	85 - 120	
2-Chlorotoluene	1.0	U	25.0	25.8		ug/L		103	85 - 120	
4-Chlorotoluene	1.0	U	25.0	25.9		ug/L		104	85 - 120	
1,3,5-Trimethylbenzene	1.0	U	25.0	24.9		ug/L		100	85 - 120	
tert-Butylbenzene	1.0	Ü	25.0	25.6		ug/L		102	85 - 120	
1,2,4-Trimethylbenzene	1.0	U	25.0	25.0		ug/L		100	85 - 120	
sec-Butylbenzene	1.0	U	25.0	25.3		ug/L		101	85 - 120	
1,3-Dichlorobenzene	1.0	Ü	25.0	25.7		ug/L		103	85 - 120	
p-isopropyltoiuene	1.0	U	25.0	24.5		ug/L		98	85 - 120	
1,4-Dichlorobenzene	1.0	U	25.0	25.8		ug/L		103	85 - 120	
1,2-Dichlorobenzene	1.0	U	25.0	25.9		ug/L		104	85 - 120	
n-Butylbenzene	1.0	U	25.0	24.3		ug/L		97	85 - 120	
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	27.7		ug/L		111	85 - 120	
1,2,4-Trichlorobenzene	1.0	· U	25.0	24.0	В	ug/L		96	85 - 120	
Hexachlorobutadiene	1.0	U	25.0	25.9		ug/L		104	80 - 125	
Naphthalene	1.0	U	25.0	24.2	В	ug/L		97	85 - 125	

	MS	MS	
Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	102		80 - 115
Toluene-d8	103		80 - 115
Bromofluorobenzene	99		85 - 120
1.2 Dichlarchenzone d4			00 445

1.0 U

Lab Sample ID: 200-2452-2 MSD Client Sample ID: A0K060451-2 Matrix: Water Prep Type: Total/NA

25.0

25.0 B

ug/L

Sample Sample Spike MSD MSD % Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit % Rec Limits RPD Limit Acrolein 5.0 U 125 101 ug/L 81 55 - 150 0 30 Acrylonitrile 1.0 U 25.0 26.4 106 80 - 120 30 ug/L Ethyl methacrylate 1.0 U 25.0 25.5 85 - 120 ug/L 102 30 Methyl methacrylate 1.0 U 25,0 24.6 ug/L 98 65 - 130 30 trans-1,4-Dichloro-2-butene 1.0 U 25.0 24.8 ug/L 99 80 - 120 30 Dichlorodifluoromethane 1.0 U ^ 25.0 32.6 ^ 130 35 - 190 30 ug/L Chloromethane 1.0 U 25.9 F 25.0 103 65 - 145 ug/L 30 Vinyl chloride 11 25.0 36.3 ug/L 100 85 - 120 30 Bromomethane 1.0 U 25.0 13.0 F ug/L 52 55 - 150 35 30 Chloroethane 1.0 U 25.0 26.9 80 - 125 ug/L 108 14 30

100

85 - 120

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

Client Sample ID: A0K060451-2

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
Trichlorofluoromethane	1.0	Ū	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-trifluoroetha	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
lodomethane	1.0	U	25.0	11.5	F	ug/L		46	65 - 150	23	30
Carbon disulfide	1.0		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	ប	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	υ	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	· · · · · · · · · · · · · · · · · · ·	25.0	19.2	F	ug/L		77	80 - 120	3	30
cis-1,2-Dichloroethene	1.0	υ	25.0	22.6		ug/L		91	85 - 120	3	30
Methyl ethyl ketone (MEK)	5.0	υ	125	132		ug/L		106	75 - 130	5	30
Bromochloromethane	1.0	υ	25.0	22.5		ug/L		90	85 - 120	5	30
Tetrahydrofuran	14	υ	350	342		ug/L		98	80 - 125	2	30
Chloroform	1.0	υ	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	υ	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		25.0	23.1		ug/L		92	85 - 120	1	30
1,2-Dichloroethane	1.0	υ	25.0	23.0		ug/L		92	80 - 115	. з	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		25.0	24.6		ug/L		99	85 - 120	2	30
2-Chloroethyl vinyl ether	1.0	U	25.0	1.0	UF	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		125	140		ug/L		112	70 - 140	3	30
Chlorodibromomethane	1.0		25.0	26.3		ug/L		105	85 - 120	3	30
1,2-Dibromoethane	1.0		25.0	25.7		ug/L		103	85 - 120	1	30
Chlorobenzene	1.0		25.0	24.9		ug/L		100	85 - 120	1	30
1,1,1,2-Tetrachloroethane	1.0		25.0	25.6		ug/L		103	85 - 120	1	30
Ethylbenzene	1.0		25.0	24.8		ug/L		99	85 - 120	1	30
m&p-Xylene	1.0		50.0	50.2		ug/L		100	85 - 120	. 0	30
o-Xylene	1.0		25.0	25.3		ug/L		101	85 - 120	0	30
Styrene	1.0		25.0	24.6		ug/L		98	85 - 120	1	30
Bromoform	1.0		25.0	26.9		ug/L		107	85 - 120		30
Isopropylbenzene	1.0		25.0	25.1		ug/L		100	55 - 120	2	30
Bromobenzene	1.0		25.0	25.5		ug/L		102	85 - 120	2	30
1,1,2,2-Tetrachloroethane	1.0		25.0	27.3		ug/L		109	85 - 120	2	30
1,2,3-Trichloropropane	1.0		25.0	24.5		ug/L		98	80 - 115	1	30

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

	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
n-Propylbenzene	1.0	U	25.0	24.9		ug/L		100	85 - 120	1	30
2-Chlorotoluene	1.0	Ü	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	Ū	25.0	25.5		ug/L		102	85 - 120	1	30
p-isopropyltoluene	1.0	υ	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	Ü	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	В	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	В	ug/L		110	85 - 125	13	30
1,2,3-Trichlorobenzene	1.0	U	25.0	26.3	В	ug/L		105	85 - 120	5	30

MSD	MSD

Surrogate	% Recovery	Qualifier	Limits
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

Client Sample ID: A0K060451-14 Prep Type: Total/NA

Analysis Batch: 9668										
	Sample	Sample	Spike	MS	MS				% Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	
Acrolein	5.0	Ū	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	
Methýl methacrylate	1.0	υ	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 ^	25.0	34.4	٨	ug/L		138	35 - 190	
Chloromethane	1.0	Ü	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	υ	25.0	14.3		ug/L		57	55 - 150	
Chloroethane	1.0	υ	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-trifluoroetha	1.0	. Ú	25.0	21.6		ug/L		86	85 - 120	
ne Acetone	5.0	11	125	123				98	55 - 135	
					_	ug/L "				
Iodomethane	1.0		25.0	10.7		ug/L			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		25.0	24.3	*********	ug/L		97	85 - 120	
1,1-Dichloroethane	1.0	U	25.0	23.0		ug/L		92	85 - 120	

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

Analysis Batch: 9668	Sample	Sample	Spike	MS	MS				% Rec.	
Analyte	Result	•	Added		Qualifier	Unit	D	% Rec	Limits	
Vinyl acetate		U	25.0	22.7		ug/L		91	60 - 160	
2,2-Dichloropropane	1.0		25.0	19,6	. <u>.</u>	ug/L ug/L		79	80 - 120	
cis-1,2-Dichloroethene	0.23		25.0	23.8		ug/L		94	85 - 120	
Methyl ethyl ketone (MEK)	5.0		125	134		ug/L		107	75 - 130	
Bromochloromethane		บ บ	25.0	24.0		ug/L		96	85 - 120	
Tetrahydrofuran	14		350	350		ug/L		100	80 - 125	
Chloroform	1.0		25.0	23.7		ug/L ug/L		95	85 - 120	
1,1,1-Trichloroethane	1.0		25.0	23.7		ug/L ug/L				
1,1-Dichloropropene		ŭ	25.0	23.9		ug/L ug/L		96	85 - 120	
Carbon tetrachloride	1.0							95	80 - 120	
Benzene	1.0		25.0	23.8		ug/L		95	80 - 120	
1,2-Dichloroethane		U U	25.0 25.0	23.7		ug/L		95	85 - 120	
Trichloroethene	1.0			24.5		ug/L		98	80 - 115	
			25.0	24.1		ug/L		96	85 - 120	
Cyclohexane, methyl-	1.0 U	U	25.0	22.8		ug/L		91	60 - 140	
1,2-Dichloropropane			25.0	25.0		ug/L		100	85 - 120	
Dibromomethane	1.0		25.0	25.2		ug/L		101	85 - 120	
Bromodichloromethane	1.0		25.0	25.9		ug/L		104	85 - 120	
2-Chloroethyl vinyl ether		J	25.0	1.0	UF	ug/L		0	85 - 120	
cis-1,3-Dichloropropene	1.0		25.0	25.1		ug/L		100	85 - 120	
4-Methyl-2-pentanone (MIBK)	5.0		125	138		ug/L		111	80 - 120	
Toluene	1.0		25.0	25.1		ug/L		100	85 - 120	
trans-1,3-Dichloropropene	1.0		25.0	24.7		ug/L		99	85 - 120	
1,1,2-Trichloroethane	1.0		25.0	26.9		ug/L		107	85 - 120	
Tetrachloroethene	0.55		25.0	25.5		ug/L		100	85 - 120	
1,3-Dichloropropane	1.0		25.0	25.8		ug/L		103	80 - 120	
2-Hexanone	5.0 1		125	140		ug/L		112	70 - 140	
Chlorodibromomethane		J	25.0	27.5		ug/L		110	85 - 120	
1,2-Dibromoethane	1.0		25.0	26.7		ug/L		107	85 - 120	
Chlorobenzene	1.0		25.0	25.9		ug/L		103	85 - 120	
1,1,1,2-Tetrachloroethane	1.0		25.0	26.6		ug/L		106	85 - 120	
Ethylbenzene	1.0	J 	25.0	25.4		ug/L		102	85 - 120	
m&p-Xylene	1.0		50.0	51.4		ug/L		103	85 - 120	
o-Xylene	1.0	J	25.0	25.7		ug/L		103	85 - 120	
Styrene	1.0	J	25.0	26.0		ug/L		104	85 - 120	
Bromoform	1.0	J	25.0	27.6		ug/L		110	85 - 120	
Isopropylbenzene		J	25.0	25.9		ug/L		104	55 - 120	
Bromobenzene	1.0 (J	25.0	26.6		ug/L		106	85 - 120	
1,1,2,2-Tetrachloroethane	1.0	J	25.0	28.3		ug/L		113	85 - 120	
1,2,3-Trichloropropane	1.0 l	J	25.0	24.7		ug/L		99	80 - 115	
n-Propylbenzene	1.0	J	25.0	25.9		ug/L		103	85 - 120	
2-Chlorotoluene	1.0	ر	25.0	26.2		ug/L		105	85 - 120	
4-Chlorotoluene	1.0	J	25.0	26.6		ug/L		106	85 - 120	
1,3,5-Trimethylbenzene	1.0	J	25.0	26.0		ug/L		104	85 - 120	
tert-Butylbenzene	1.0 (J	25.0	26.3		ug/L		105	85 - 120	
1,2,4-Trimethylbenzene	1.0 (ل	25.0	26.6		ug/L		107	85 - 120	
sec-Butylbenzene	1.0 (J	25.0	26.2		ug/L		105	85 - 120	
1,3-Dichlorobenzene	1.0 t	J	25.0	26.7		ug/L		107	85 - 120	
p-Isopropyltoluene	1.0 (J	25.0	25.5		ug/L		102	85 - 120	
1,4-Dichlorobenzene	1.0 \	J	25.0	26.5		ug/L		106	85 - 120	
1,2-Dichlorobenzene	1.0		25.0	27.0		ug/L		108	85 - 120	

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 Client Sample ID: A0K060451-14 Matrix: Water Prep Type: Total/NA

Analysis Batch: 9668

	Sample	Sample	Spike	MS	MS				% Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	
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	υ	25.0	26.2	В	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	В	ug/L		111	85 - 125	
1,2,3-Trichlorobenzene	1.0	U	25.0	27.5	В	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 Client Sample ID: A0K060451-14 Matrix: Water Prep Type: Total/NA

Analysis Batch: 9668										•	
-	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	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	Ü	25.0	24.7		ug/L		99	65 - 130	0	30
trans-1,4-Dichloro-2-butene	1.0	υ	25.0	25.1		ug/L		100	80 - 120	1	30
Dichlorodifluoromethane	1.0	U ^ ,	25.0	33.4	٨	ug/L		133	35 - 190	3	30
Chloromethane	1.0	U	25.0	23.0		ug/L		92	65 - 145		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	Ü	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-trifluoroetha ne	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	Ü	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		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	Ü	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	Ü	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 Job ID: 200-2452-1

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-14 MSD

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 9668

	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limi
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	υ	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	UF	ug/L		0	85 - 120	NC	30
cis-1,3-Dichloropropene	1.0	υ	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	Ü	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	υ	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	Ü	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-Tetrachioroethane	1.0		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		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	Ü	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	Ū	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		25.0	25.9		ug/L		103	85 - 120	2	30
1,2-Dichlorobenzene	1.0		25.0	26.5		ug/L		106	85 - 120	<u></u>	30
n-Butylbenzene	1.0		25.0	25.5		ug/L		102	85 - 120	1	30
1,2-Dibromo-3-Chloropropane	1.0		25.0	27.6		ug/L		110	85 - 120	2	30
1,2,4-Trichlorobenzene	1.0		25.0	26.1	В	ug/L		104	85 - 120	0	30
Hexachlorobutadiene	1.0		25.0	26.5	-	ug/L		106	80 - 125	1	30
Naphthalene	1.0		25.0	27.7	В	ug/L		111	85 - 125	0	30
1,2,3-Trichlorobenzene					В	~ ~ ~			85 - 120		

	MSD	MSD	
Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	102		80 - 115
Toluene-d8	103		80 - 115

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 200-2452-14 MSD

Matrix: Water

Analysis Batch: 9668

4400	

	mod	MOD	
Surrogate	% Recovery	Qualifier	Limits
Bromofluorobenzene	97		85 - 120
1,2-Dichlorobenzene-d4	98		80 - 115

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-14

Prep Type: Total/NA





QC Association Summary

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

GC/MS VOA

Ana	lvsis	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	AOK060451-1	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 Batcl
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	Ргер Туре	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 Lab Sample ID: 200-2452-1

Date Collected: 11/02/10 10:55

Matrix: Water

Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Method Type Number Prep Type Run Factor Or Analyzed Analyst Lab 8260B Total/NA Analysis 9558 11/13/10 10:58 JRH TestAmerica Burlington

Client Sample ID: A0K060451-2 Lab Sample ID: 200-2452-2

Date Collected: 11/02/10 12:50 Date Received: 11/11/10 10:20

Matrix: Water

Batch Batch Dilution Batch Prepared Method Number Prep Type Туре Run Factor Or Analyzed Analyst Lab 8260B Total/NA Analysis 9558 11/13/10 11:29 JRH TestAmerica Burlington

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

Batch Batch Dilution Batch Prepared Method Factor Number Prep Type Type Run Or Analyzed Analyst Lab Total/NA Analysis 8260B 9558 11/13/10 12:01 JRH TestAmerica Burlington

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

Batch Batch Dilution Batch Prepared Method Prep Type Type Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 9558 11/13/10 12:33 JRH TestAmerica Burlington

Client Sample ID: A0K060451-5

Date Collected: 11/03/10 12:15

Date Received: 11/11/10 10:20

Lab Sample ID: 200-2452-5

Matrix: Water

Batch Ratch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Or Analyzed Analyst Lab Total/NA Analysis 8260B 9558 11/13/10 13:05 JRH TestAmerica Burlington

Client Sample ID: A0K060451-6

Date Collected: 11/03/10 12:50

Lab Sample ID: 200-2452-6

Matrix: Water

Date Received: 11/11/10 10:20

Batch Ratch Dilution Batch Prepared Prep Type Method Factor Number Type Run Or Analyzed Analyst Total/NA Analysis 8260B 9558 11/13/10 13:37 JRH TestAmerica Burlington

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

Dilution Batch Batch Batch Prepared Prep Type Method Type Run Factor Number Or Analyzed Analyst Lab Total/NA Analysis 8260B 9558 11/13/10 14:09 JRH TestAmerica Burlington

Lab Chronicle TestAmerica Job ID: 200-2452-1 Client: TestAmerica Laboratories, Inc. Project/Site: South Bend Lab Sample ID: 200-2452-8 Client Sample ID: A0K060451-8 Matrix: Water Date Collected: 11/03/10 00:00 Date Received: 11/11/10 10:20 Batch Batch Dilution Batch Prepared Method Run Prep Type Type Factor Number Or Analyzed Analyst Lab 8260B Total/NA Analysis 9558 11/13/10 14:41 JRH TestAmerica Burlington 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 Batch Dilution Batch Batch Prepared Method Or Analyzed Analyst Number Prep Type Type Run Factor Lab 8260B 9558 11/13/10 15:13 JRH Total/NA Analysis 1 TestAmerica Burlington 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 Dilution Batch Batch Batch Prepared Method Number Or Analyzed Prep Type Туре Run Factor Analyst Lab Total/NA Analysis 8260B 9558 11/13/10 15:45 JRH TestAmerica Burlington 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 Batch Dilution Batch Batch Prepared Method Prep Type Type Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 9558 11/13/10 16:17 JRH TestAmerica Burlington 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 Dilution Ratch Ratch Batch Prepared Prep Type Туре Method Run Number Or Analyzed Analyst Lab Factor Total/NA Analysis 8260B 9558 11/13/10 16:49 JRH TestAmerica Burlington Lab Sample ID: 200-2452-13 Client Sample ID: A0K060451-13

Dilution Batch Batch Batch Prepared Prep Type Method Number Or Analyzed Analyst Type Run Total/NA Analysis 9558 11/13/10 17:21 JRH TestAmerica Burlington

Client Sample ID: A0K060451-14 Lab Sample ID: 200-2452-14

Date Collected: 11/04/10 10:00 Date Received: 11/11/10 10:20

Date Collected: 11/04/10 08:35

Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number Or Analyzed Analyst Lab Total/NA Analysis 8260B 11/13/10 17:52 JRH TestAmerica Burlington

Matrix: Water

Matrix: Water

Lab Chronicle

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 Date Received: 11/11/10 10:20

Matrix: Water

Batch Batch Dilution Batch Prepared Method Number Or Analyzed Analyst Prep Type Type Run Factor Lab 8260B Total/NA Analysis 9564 11/14/10 17:05 JRH TestAmerica Burlington

Client Sample ID: A0K060451-16 Lab Sample ID: 200-2452-16

Date Collected: 11/04/10 11:55 Date Received: 11/11/10 10:20

Matrix: Water

Dilution Batch Batch Batch Prepared Method Or Analyzed Analyst Run Factor Number Prep Type Type Lab 8260B Total/NA Analysis 9564 11/14/10 17:37 JRH TestAmerica Burlington

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

Batch Batch Dilution Batch Prepared Method Prep Type Type Run Factor Number Or Analyzed Analyst Lab Total/NA Analysis 8260B 4.4 9564 11/14/10 18:09 JRH TestAmerica Burlington

Client Sample ID: A0K060451-18 Lab Sample ID: 200-2452-18

Date Collected: 11/04/10 13:01 Date Received: 11/11/10 10:20 Matrix: Water

Matrix: Water

Matrix: Water

Batch Batch Dilution Batch Prepared Method Prep Type Type Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 40 9564 11/14/10 18:41 JRH TestAmerica Burlington

Client Sample ID: A0K060451-19 Lab Sample ID: 200-2452-19

Date Collected: 11/04/10 13:24 Date Received: 11/11/10 10:20

Batch Batch Dilution Batch

Prepared Mathad Prep Type Type Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 9564 11/14/10 19:13 JRH TestAmerica Burlington

Client Sample ID: A0K060451-20 Lab Sample ID: 200-2452-20

Date Collected: 11/04/10 14:01 Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared

Prep Type Type Method Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 2 9564 11/14/10 19:45 JRH TestAmerica Burlington

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

Ratch Dilution Batch Batch Prepared Prep Type Type Method Run Factor Number Or Analyzed Analyst Lab Total/NA Analysis 8260B 9564 11/14/10 20:17 JRH TestAmerica Burlington

Lab Chronicle

Client: TestAmerica Laboratories, Inc.

8260B

Analysis

Project/Site: South Bend

Total/NA

TestAmerica Job ID: 200-2452-1

Client Sample ID: A0K060451-22 Lab Sample ID: 200-2452-22

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

TestAmerica Burlington

Dilution Batch Batch Batch Prepared Method Factor Or Analyzed Analyst Run Number Prep Type Type Lab

47

Lab Sample ID: 200-2452-23 Client Sample ID: A0K060451-23

9564

11/14/10 20:49 JRH

Date Collected: 11/04/10 00:00 Matrix: Water Date Received: 11/11/10 10:20

Dilution Batch Batch Batch Prepared Method Or Analyzed Analyst Factor Number Run **Prep Type** Type Lab Analysis 11/14/10 21:21 JRH 8260B 9564 TestAmerica Burlington Total/NA

Client Sample ID: A0K060451-24 Lab Sample ID: 200-2452-24 Matrix: Water

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Batch Dilution Batch Prepared Batch Method Run Factor Number Or Analyzed Prep Type Type Analyst Lab Total/NA Analysis 8260B 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 Date Received: 11/11/10 10:20

Batch Dilution Batch Batch Prepared Method Number Or Analyzed Analyst Prep Type Type Run Factor Lab 11/14/10 22:25 JRH Total/NA Analysis 8260B 9564 TestAmerica Burlington

Client Sample ID: A0K060451-26 Lab Sample ID: 200-2452-26

Date Collected: 11/04/10 00:00 Date Received: 11/11/10 10:20

Batch Ratch Dilution Batch Prepared Or Analyzed Prep Type Туре Method Run Factor Number Analyst Lab Total/NA Analysis 8260B 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 Date Received: 11/11/10 10:20

Batch Dilution Batch Prepared **Batch** Or Analyzed Analyst Prep Type Туре Method Run Factor Number

Total/NA Analysis 8260B 9564 11/14/10 23:30 JRH TestAmerica Burlington

Lab Sample ID: 200-2452-28 Client Sample ID: A0K060451-28 Date Collected: 11/03/10 11:04 Matrix: Water

Date Received: 11/11/10 10:20

Dilution Batch Batch Batch Prepared Method Run Factor Number Or Analyzed Prep Type Type Analyst Total/NA Analysis 8260B 9564 11/15/10 00:02 JRH TestAmerica Burlington

Lab Chronicle TestAmerica Job ID: 200-2452-1 Client: TestAmerica Laboratories, Inc. Project/Site: South Bend 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 Batch Dilution Batch Batch Prepared Method Number Run Factor Or Analyzed Prep Type Туре Analyst Lab 8260B 9564 Analysis 2 11/15/10 00:34 JRH Total/NA 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 Dilution Batch Batch Batch Prepared Method Or Analyzed Analyst Factor Number Туре Run Prep Type Lab 8260B 1.5 9564 11/15/10 01:06 JRH TestAmerica Burlington Total/NA Analysis 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 Batch Batch Dilution Batch Prepared Method Run Factor Number Or Analyzed Prep Type Type Analyst Lab Total/NA Analysis 8260B 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 Batch Dilution Batch Batch Prepared Method Number Or Analyzed Analyst Prep Type Type Run Factor Lab Total/NA 8260B Analysis 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 Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number 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 Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 1.7 9668 11/15/10 12:34 JRH TestAmerica Burlington

Matrix: Water

Lab Sample ID: 200-2452-35

TestAmerica Burlington

Batch

9668

Number

Prepared

11/15/10 13:06 JRH

Analyst

Or Analyzed

Dilution

Factor

Run

Client Sample ID: A0K060451-35

Batch

Туре

Analysis

Batch

Method

8260B

Date Collected: 11/02/10 16:20

Date Received: 11/11/10 10:20

Prep Type

Total/NA

Lab Chronicle

Client: TestAmerica Laboratories, Inc.

Project/Site: South Bend

TestAmerica Job ID: 200-2452-1

Lab Sample ID: 200-2452-36

Lab Sample ID: 200-2452-38

Lab Sample ID: 200-2452-39

Lab Sample ID: 200-2452-40

Lab Sample ID: 200-2452-41

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: A0K060451-36 Date Collected: 11/02/10 19:05

Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Or Analyzed Analyst Method Number Prep Type Type Run Factor 8260B 9668 Total/NA 11/15/10 13:38 JRH Analysis

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

Batch Batch Dilution Batch Prepared Method Number Or Analyzed Analyst Factor Prep Type Type Run Lab 8260B 9668 Total/NA Analysis 11/15/10 14:10 JRH TestAmerica Burlington

Client Sample ID: A0K060451-38

Date Collected: 11/02/10 15:25

Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number Or Analyzed Analyst Lab 8260B Total/NA Analysis 9668 11/15/10 14:43 JRH TestAmerica Burlington

Client Sample ID: A0K060451-39

Date Collected: 11/02/10 14:40 Matrix: Water Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Method Run Prep Type Type Factor Number Or Analyzed Analyst Lab Total/NA 8260B Analysis 9668 11/15/10 15:15 JRH TestAmerica Burlington

Client Sample ID: A0K060451-40

Date Collected: 11/02/10 13:05

Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Prep Type Method Type Run Factor Number Or Analyzed Analyst Lab Total/NA Analysis 8260B 9668 11/15/10 15:47 JRH TestAmerica Burlington

Client Sample ID: A0K060451-41

Date Collected: 11/02/10 18:27

Date Received: 11/11/10 10:20

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number Or Analyzed Analyst Total/NA Analysis 8260B 11/15/10 16:19 JRH 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

12

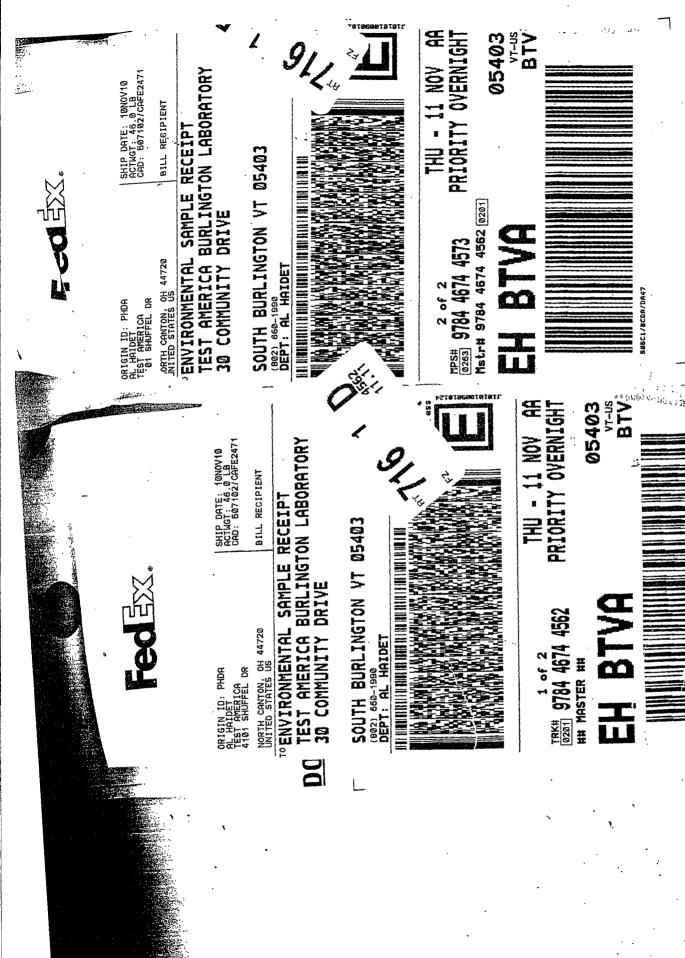
Sample Summary

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	AOK060451-1	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
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



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Report 2010-11-16	01-11-0107	MARK LOEB	Analysis Required WATER, 8260 Full List (Burling on)	WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burlinglon)	WATER, 8260 Full List (Burlington)	·	FED EX								
Report Package: Need Analytical Report		Project Manager:	<u>Sampling Date</u> 2010-11-02 10:55	2010-11-02 12:50	2010-11-02 12:50	2010-11-02 12:50	2010-1:1-02 14:55	2010-11-03 10:45	2010-11-03 12:15	2010-11-03 12:50	2010-11-03 14:10	2010-11-03	2010-11-04		Shipping Method:	
TestAmerica Laboratories, Inc. SAMPLE ANALYSIS REQUISTION Lab Request SR122369			mple ID		(ms/mso								1110	Please use Client Sample ID for report Call MARK LOEB with questions at 330-497-9396 at the TAL North Canton Laboratory		ompletion of analysis. Date/Time: 14/10/02/D Date/Time: 11/11/10/02/D PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION
10	05403	63159 ·	Number Client Sample 1D D5 1110	D4 1110	D4 1110	D4 1110	D7 1110	D12 1110	9D 1110	D8 1110	7D 1110	MW-100 1110	MW-101 1110	Please use Clien: Call MARK LOEB at the TAL North	Feport.	Paport at completion of analysis. Date/Time: Date/Time: Date/Time: 11 /
TestAmerica Burlington 30 Community Drive Suite 11	South Burlington, VT	Client Code:	Work Order Number 1-1 L9NAV	1-2 L9NAX	1-2 S L9NAX	1-2 D L9NAX	I-3 L9NA1	I-4 L9NAS	1-5 L9NA6	1-6 L9NA8	1-7 L9NA9	I-8 L9NCA	1-9 FBNCC		Need detection limit and analysis date included in report.	ed copy of this form with the
Laboratory			Sample I.D. A0K060451-1	A0K060451-2	A0K060451-2 S	A0K060451-2 D	A0K060451-3	A0K060451-4	TAOK06045	aA0K060451-6 5	QA0K060451-7	A0K060451-8	A0K060451-9		Need detection	Please send a signe Relinquished by: Relinquished by: Control of the phone of the

Project Manager: Sambling Date 2010-11-03 16:10 2010-11-04 7:56 2010-11-04 10:00 2010-11-04 10:00 2010-11-04 11:10 2010-11-04 11:55 2010-11-04 11:55 2010-11-04 11:55 2010-11-04 13:01 2010-11-04 13:01 2010-11-04 13:01 2010-11-04 13:01 2010-11-04 13:01 2010-11-04 13:01 2010-11-04 13:01 2010-11-04 13:01	Test 30 Co	TestAmerica Burlington 30 Community Drive Suite 11	TestAmerica Laboratories, Inc. SAMPLE ANALYSIS REQUISTION Lab Request SR 127349	duistion Report Package: Alst Analytical Dancet	ige:	Report	
Project Mannager: Project Mannager:	South	Burlington, VT			<u>1</u>		
Work Order Number Still				Project Mana	ger:	MARK LOEB	
L9NCE S15 1110 2010-11-03 16:30 L9NCH S3 1110 2010-11-04 7:56 L9NCH S14 1110 2010-11-04 7:56 L9NCI 7-25 1110 7-25 1110 2010-11-04 10:00 L9NCI 7-25 1110 7-25 1110 2010-11-04 10:00 L9NCI 7-25 1110 2010-11-04 10:00 L9NCK MW-5 1110 2010-11-04 10:00 L9NCK MW-5 1110 2010-11-04 11:10 L9NCK MW-5 1110 2010-11-04 11:55 L9NCK MW-2 1110 2010-11-04 11:55 L9NCK MW-2 1110 2010-11-04 11:30 L9NCK MW-2 1110 2010-11-04 11:30 L9NCK MW-2 1110 2010-11-04 11:30 L9NCK MW-1 1110 2010-11-04 2010-11-04 2010-11-04 L9NCK MW-1 1110 2010-11-04 2010	0	Work Order Number L9NCD		<u>Sampling Date</u> 2010-11-03 1	01:9	Analysis Required WATER, 8260 Full List (Burling	
L9NCF S3 1110 2010-11-04 7:56 L9NCH S14 1110 7-25 1110 2010-11-04 8:35 L9NCI 7-25 1110 7-25 1110 2010-11-04 10:00 L9NCI 7-25 1110 7-25 1110 2010-11-04 10:00 L9NCI 7-50 1110 2010-11-04 10:00 L9NCK MW-5 1110 2010-11-04 11:10 L9NCK MW-5 1110 2010-11-04 11:10 L9NCK MW-5 1110 2010-11-04 11:00 L9NCK MW-2 110 2010-11-04 11:00 L9NCK MW-2 110 2010-11-04 2010-11-04 2010-11-04 L9NCK MW-2 110 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-11-04 2010-	_	L9NCE	SI5 1110	2010-11-03	16:30	WATER, 8260 Full List (Burlingto	~
L9NCH S14 1110 2010-11-04 8:35	12	L9NCF	S3 1110	2010-11-04	7:56	WATER, 8260 Full List (Burling	<u>-</u>
L9NCJ	13	L9NCH	S14 1110	2010-11-04	3:35	WATER, 8260 Full List (Burling	<u>~</u>
L9NCJ	4	L9NCJ	10	2010-11-04	00:01	WATER, 8260 Full List (Burlingto	=
L9NCI	4 S	L9NCJ	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2010-11-04	00:01	WATER, 8260 Full List (Burling	~
L9NCL	4 D		7-25 1110	2010-11-04	00:01	WATER, 8260 Full List (Burling	~
L9NCM MW-5 1110	2			2010-11-04	11:10	WATER, 8260 Full List (Burling	~
L9NCN MW-111110 L9NCP MW-21110 2010-11-04 12:32 L9NCP MW-21110 Please use Client Sample ID for report Call MARK LOEB with questions at 330-497-9396 at the TAL North Canton Laboratory at the TAL North Canton Laboratory Copy of this form with the report at completion of analysis. Date: Time: If It It It It It It It It It It It It It	9	T9NCM	MW-5 1110		11:55	WATER, 8260 Full List (Burling	~
Please use Client Sample ID for report Call MARK LOEB with questions at 330-497-9396 at the TAL North Canton Laboratory Topy of this form with the report at completion of analysis. Date/Time:	7	L9NCN		2010-11-04	12:32	WATER, 8260 Full List (Burling	~
Please use Client Sample ID for report Call MARK LOEB with questions at 330-497-9396 at the TAL North Canton Laboratory 1 copy of this form with the report at completion of analysis. Date/Time: 11/11/10/1020 Date/Time: 11/11/10/1020 PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION	∞	L9NCP	MW-2 1110	2010-11-04	13:01	WATER, 8260 Full List (Burling	<u>=</u>
and analysis date included in report. I copy of this form with the report at completion of analysis. Date/Time: 1/1/1/1/2/20 Date/Time: 1/1/1/1/2/020 PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION				. 91		•	
d copy of this form with the report at c	t and a	analysis date included in report.	·	Shipping Met	hod:	FED EX	
1	bo pa	y of this form with the report at comp	11/10				
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Laboratory	TestAmerica Burlington	011	-	TestAmeri SAMPLE ANAL	TestAmerica Laboratories, Inc. SAMPLE ANALYSIS REQUISTION	Report Package:	Report		
	30 Community Drive Suite 11	1	_	Lab Request	SR122369	Need Analytical Report	2010-11-16	-16	
	South Burlington, VT	05403							
	Client Code:	63159				Project Manager;	MARK LOEB	LOEB	
Sample I.D. A0K060451-19	Work Order Number	r Number	Client Sample ID MW-12 1110			Sampling Date 2010-11-04 13:24	,	Analysis Required WATER, 8260 Full List (Burlington)	â
A0K060451-20	I-20 L9NCR		MW-4 1110			2010-11-04 14:01		WATER, 8260 Full List (Burlington)	E)
A0K060451-21	1-21 L9NCV		MW-9 1110			2010-11-04 14:33		WATER, 8260 Full List (Burlington)	n)
A0K060451-22	I-22 L9NCW		MW-102 1110			2010-11-04	WATER	WATER, 8260 Full List (Burlington)	3
A0K060451-23	1-23 L9NCX		MW-103 1110			2010-11-04	WATER	WATER, 8260 Full List (Burling on)	<u> </u>
A0K060451-24	L9NC1		TRIP BLANK			2010-11-04	WATER	WATER, 8260 Full List (Burlington)	Ê
A0K060451-25	L9NEQ		TRIP BLANK			2010-11-04	WATER	WATER, 8260 Full List (Burlington)	Ê
OK060451	1-26 L9NER	٠	MW-104 1110			2010-11-04	WATER	WATER, 8260 Full List (Burling on)	Ē
AOK060451-27	1-27 L9NET		S17 1110			2010-11-03 12:00		WATER, 8260 Full List (Burlington)	î
SA0K060451-28	I-28 L9NEW		86-10 1110			2010-11-03 11:04		WATER, 8260 Full List (Burlington)	(i)
A0K060451-29	L9NEX		86-15 1110	ž		2010-11-03 10:28		WATER, 8260 Full List (Burlington)	ੰਧ
	·	Please t Call MA at the T	Please use Client Sampl Call MARK LOEB with que at the TAL North Canton	Sample ID for report with questions at 330-497-9396 Canton Laboratory	ort 497-9396				
ed defection	Need detection limit and analysis date included in report.	report.				Shipping Method;	FED EX	·	
Please send a signed Relinquished by: Relinquished by: Received for lab by: O	Refinquished by: Relinquished by: Acceived for lab by: Date/Time: Date/Time: Date/Time: Date/Time:	Date. Date: Date: PLEASE RE	ompletion of analysis. Date/Time: ////////////////////////////////////	1740	9 . S REQUISITION	; - - - - -			

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Report 2010-11-16		MARK LOEB	Analysis Required WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burling on)	WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burling on)	WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burling on)	WATER, 8260 Full List (Burling on)	WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burlington)	WATER, 8260 Full List (Burlington)	FED EX
Report Package: Need Analytical Report		Project Manager:	<u>Sampling Date</u> 2010-11-02 12:05	2010-11-02 11:30	2010-11-01 17:55	2010-11-02 17:53	2010-11-02 17:15	2010-11-02 16:20	2010-11-02 19:05	2010-11-04 16:25	2010-11-02 15:25	2010-11-02 14:40	2010-11-02 13:05	Shipping Method:
TestAmerica Lahoratorics, Inc. SAMPLE ANALYSIS REQUISTION Lab Request SR122369			Client <u>Sample ID</u> S24 1110	S27 1110	MW-7 1110	S16 1110	S4A 1110	S20 1110	MW-13 1110	2D 1110	S25 1110	S21 1110	S26 II10	Please use Client Sample ID for report Call MARK LOEB with questions at 330-497-9396 at the TAL North Canton Laboratory ontpletion of analysis. Date/Time:
TestAmerica Burlington 30 Community Drive Suite I I	South Burlington, VT 05403	Client Code: 63159	<u>Work Order Number</u> L9NE0	L9NE1	L9NE3	L9NE7	L9NE8	L9NE9	L9NFC	L9NFD	L9NFE	L9NFF	L9NFG	and analysis date included in report. I copy of this form with the report at o
Laboratory T	S		Sample I.D. A0K060451-30	A0K060451-31	A0K060451-32	A0K060451-33	A0K060451-34	. A0K060451-35	A0K060451-36	G@A0K060451-37	955 1940 1940 1940 1940 1940 1940 1940 1940	%A0K060451-39	A0K060451-40	Need detection limit a Please send a signed Relinquished by: Relinquished by: 17/16 Received for lab by:

Analysis Required WATER, 8260 Full List (Burlington) MARK LOEB 2010-11-16 FED EX Report 2010-11-02 18:27 Shipping Method: Report Package: Project Manager; Need Analytical Report Sampling Date TestAmerica Laboratories, fuc. SAMPLE ANALYSIS REQUISTION PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION SR122369 Call MARK LOEB with questions at 330-497-9396 Please use Client Sample ID for report Dato/Time: _L_/11_/10__102D at the TAL North Canton Laboratory Lab Request Client Sample ID S28 1110 Please send a signed copy of this form with the report at completion of analysis. Date/Time: Date/Time: 05403 63159 Work Order Number Need detection limit and analysis date included in report. TestAmerica Burlington 30 Community Drive Suite 11 Client Code: L9NFH South Burlington, VT A0K060451-41 Relinquished by: Sample I.D. Laboratory Page 126 of 132 132 of 146

CLIENT:

005-

006-

008-

TestAmerica Laboratories, Inc.

System Date: 11/06/10 14:04:08 Local Date: 11/06/10 16:04:08

MSVOC Lot Summary - AOK060451

63159 MACTEC Engineering and Consulting Inc

PROJECT MANAGER: Mark J. Loeb

SOUTH BEND STTE.

LOT COMMENTS:

QC PACKAGE: Report

SDG:

Date Received: 11/06/10 Data Analysis Due: 11/16/10 N

Date Report Due: 11/20/10 Turnaround Time: 10

X-REF Sampled Expires Est Sample ID, Comments / Analysis Comments SAMP# W/C NO. PARAMETER

______ dr=1 001- L9NAV-1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N D5 1110 No Specific List MS REO CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 3 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9NAX-1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N D4 1110 12:50 No Specific List MS REO THIS SAM. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan 002-D -1AD XX I 25 OK 01 MS8260LL 11/02/10 11/16/10 N need n-Heptane & 1-Chlorohexan " -1AC XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N need n-Heptane & 1-Chlorohexan 002-8 003- L9NA1-1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N D7 1110 No Specific List 14:55 MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 3 1-CHLOROHEXANE! need n-Heptane & 1-Chlorchexan

L9NA5 1AA XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N D12 1110 004-10:45

No Specific List

MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

L9NA6-1AA XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N 9D 1110 12:15

No Specific List

MS REO CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

L9NA8-1AA XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N D8 1110

12:50 No Specific List

MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

L9NA9-1AA XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N 7D 1110

14:10

No Specific List

MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

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!

head u-Heptane & 1-Chlorobexan

009- L9NCC-1AA XX I 25 QK 01 MS8260LL 11/04/10 L1/18/10 N MW-101 1110

No Specific List

MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTAME &

1-CHLOROHEXANE!

System Date: 11/06/10 14:04:08 TestAmerica Laboratories, Inc. PSL205 Local Date: 11/06/10 16:04:08 Page 2 COVEM Lot Summary - A0K066451 63159 MACTEC Engineering and Consulting Inc SDG . Date Received: 11/06/10 CLIENT: PROJECT MANAGER: Mark J. Loeb Date Analysis Due: 11/16/10 N SOUTH BEND Date Report Due: 11/20/10 Turnaround Time: 10 LOT COMMENTS: OC FACKAGE: Report Sampled Expires Est Sample ID, Comments / Analysis Comments SAMP# W/C NO. PARAMETER X-REF ______ 010- L9NCD-1AR XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N S9 1110 16:10 No Specific List 3 MS REQ CLT SPEC, RPT QC, VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9NCE-LAA XX I 25 QK 01 MS8260LL 11/03/10 11/17/16 N S15 1110 16:30 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9NCF-LAA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N S3 1110 No Specific List 7:56 MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9NCH-LAA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N 514 1110 013-No Specific List 8:35 MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE $\hat{\alpha}$ 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9NCJ-1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N 7-25 1110 10:00 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-Chlorobexan L9NCL-1AA XX I 25 QK 01 MS8260LL 1.1/04/10 11/18/10 N 7-50 1110 11:10 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9NCM-1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N MW-5 1110 016-No Specific List 11.55 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 12:32 No Specific List MS REO CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXAME! need n-Reptane & 1-Chlorohexan 018-L9NCF 1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N MW-2 1110 13:01 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE!

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11/19/2010

SDG .

System Date: 11/06/10 14:04:08 Local Date: 11/06/10 16:04:08

Date Received: 11/06/10

Date Analysis Due: 11/16/10 N

Date Report Due: 11/20/10 Turnaround Time: 10

Page 3

MSVOC

Lot Summary - A0K060451

CLIENT: 63159 MAG

63159 MACTEC Engineering and Consulting Inc

PROJECT MANAGER: Mark J. Loeb

SOUTH BEND

LOT COMMENTS:

QC PACKAGE:

Report

8

SAMP# W/O NO. PARAMETER X-REF Sampled Expires Est Sample ID, Comments / Analysis Comments

need n-Heptane & 1-Chlorohexan

ph=1 019- L9NCQ-1AA XX I 25 QK 01 MS8250LL 11/04/10 11/18/10 N MW-12 1110 No Specific List MS REO CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 3 1-CHLOROHEKANE! need n-Heptane & 1-Chlorohexan L9NCR 1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N MW-4 1110 020-14:01 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 14.33 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 L9NCX 1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N MW-103 1110 023-No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan TRIP BLANK 024-L9NC1-1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N Wo Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTAME & 2 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan L9MEQ-1AA XX I 25 QK 01 MS8260LL 11/04/10 11/18/10 N TRIP BLANK No Specific List 2 MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE ϵ 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 L9NET-1AA XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N S17 1110 12:00 No Specific List MS REO CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE!

Date Received: 11/06/10

Date Analysis Due: 11/16/10 N

Date Report Due: 11/20/10 Turnaround Time: 10

Page

MSVOC

Lot Summary - A0K060451

63159 MACTEC Engineering and Consulting Inc CLIENT: SDG:

PROJECT MANAGER: Mark J. Loeb

SOUTH BEND

LOT COMMENTS:

QC PACKAGE:

Report

Sampled Expires Est Sample ID, Comments / Analysis Comments SAMP# W/O NO. PARAMETER X-REF

028-L9NEW-1AA XX I 25 QK 01 MS8260LL 11/03/10 11/17/10 N 86-10 1110 ch=1 11:04 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 3 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 10:28 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHIOROHEXANE! need n-Heptane & 1-Chlorohexan 030-L9NEO 1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N 524 1110 No Specific List 12:05 MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan 031-L9NE1 IAA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N 527 1110 No Specific List 11:30 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 17:55 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 REO CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorchexan 034-L9NE8 1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N S4A 1110 17:15 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHIOROHEXANE! need n-Heptane & 1-Chlorohexan 035-L9NE9 1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N S20 1110 16:20 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE & 1-CHLOROHEXANE! need n-Heptane & 1-Chlorohexan 036-L9NFC 1AA XX T 25 QK 01 MS6260LL 11/02/10 11/16/10 N MW-13 1110 12:05 No Specific List MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

PS1205

TestAmerica Laboratories, Inc.

System Date: 11/06/10 14:04:08 Local Date: 11/06/10 16:04:08

Page 5

MSVOC

Lot Summary - A0K060451

CLIENT. 63159 MACTEC Engineering and Consulting Inc SDG.

PROJECT MANAGER: Mark J. Loeb

SOUTH BEND

LOT COMMENTS:

040-

041-

QC PACKAGE:

Report

Date Received: 11/05/10 Date Analysis Due: 11/16/10 N

Date Report Due: 11/20/10

Turnaround Time: 10

X-REF Sampled Expires Est Sample ID, Comments / Analysis Comments SAMP# W/O NO. PARAMETER

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 & 3 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 15:25 No Specific List

18:27

MS REQ CLT SPEC. RFT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

L9NFF-1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N S21 1110 14:40

No Specific List

. MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

L9NFG 1AA XX I 25 QK 01 MS8260LL 11/02/10 11/16/10 N S26 1110

No Specific List 13:05

MS REQ CLT SPEC. RPT QC. VOC=NEED N-HEPTANE &

1-CHLOROHEXANE!

need n-Heptane & 1-Chlorohexan

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

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 200-2452-1

Login Number: 2452 Creator: Marion, Greg T List Source: TestAmerica Burlington

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 Laboratories, Inc.

9 518 Site: South Bend Project Name: Honeywell South Bend - 3310090039.6100.1 (231) 922-9055 City/State/Zip: Traverse City, Michigan 49686 Address: 41 Hughes Drive Company: MACTEC Engineering and Consulting, Inc. Relinquished by: Relinquished by: Relinquished by: Special Instructions/QC Requirements & Comments 70 P O #: 5133286 (231) 922-9050 Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 29 11 ID MW-101 8 DA IIIO MISIMISD MW-100 0121110 07 1110 04 1110 DS III0 ossible Hazard Identification Non-Hazard 10 Q 14 11 10 110 ANATYZE FOR ALL PRIORITY POHNITASITS CLER MICHIPARS 110 Sample Identification - Flammable 0 Client Contact FAX Phone Skin Irritant 11 3 10 11/20/10 11/3/10 11/2/10 11/4/10 11/3/10 11/2/10 11/2/10 11/3/10 16:30 Marker 11/3/10/16:10 11/3/10/12:50 water Tel/Fax: (231) 922-9050 Project Manager: Steve Murray Company Company: Sample · Date 3 10 10:45 Waster Calendar (C) or Work Days (W) MACTEC Poison B TAT if different from Below 12:15 12:50 waster 14:10 mater 12:50 14:55 water 10:55 Sample Time Analysis Turnaround Time 2 days I week 2 weeks water Ta ter Mater Waster Water day Unknown vater Sample Type Date/Time: ۶ ξ Matrix ٤ ٤ Date/Time: Date/Time: ٤ 3 ٤ # of Cont. Cu ω W W W Ś S 6 S (V) Ò Site Contact: James Staley Lab Contact: Mark Loeb Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Disposal By Lab

Archive For

Month × × Received by × × VOCs - 8260 B Received by: Received Dissolved Metals (As, Cr, Pb, Ni) - 6020 T. Phenols - 420.1 T. Cyanide - 9012 A Date: 11/5/10 Carrier: F&D / Company: Company 500 Š Archive For III/6/140
Date/Time: Date/Time: Job No. SDG No. COC No: Sample Specific Notes: Months 1010 COCs 1|39 þf 1#6

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	Date: 11/5/10	COC No:	
Company: MACTEC Engineering and Consulting, Inc.	Tel/Fax: (231) 922-9050		Lab Contact: Mark Loeb	Carrier: F60 EX	S of 3	COCs
Address: 41 Hughes Drive	Analysis Turnaround Time	(ime	20 1		Job No.	
City/State/Zip: Traverse City, Michigan 49686	Calendar (C) or Work Days (W)) - 60			
(231) 922-9050 Phone	TAT if different from Below		b, Ni			
(231) 922-8055 FAX	2 weeks		`r, P		SDG No.	
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North Canton 4101 Shuffel Street, N. W. North Canton, OH 44720 phone 330,497,9396 fax 330,497,0772

Chain of Custody Record



THE LEADER IN ENVIRONMENTAL TESTING

	Drainot Manager Steve Mirray	in Murray		Site Contact: James Stalev	Date: 11 /<	3	TestAmerica Laboratories, Inc.	tories, Inc.
Company: MACTEC Engineering and Consulting, Inc.	Tel/Fax: (231) 922-9050	050		Lab Contact: Mark Loeb			of S	COCs
Address: 41 Hughes Drive	Analysis	Analysis Turnaround Time	ime)20			Job No.	-
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(231) 922-9050 Phone	TAT if different from Below	it from Below		b, Ni				
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Site: South Bend		2 days		als (4 20.1				
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North Canton 4101 Shuffel Street, N. W. North Canton, OH 44720 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



Special Instructions/QC Requirements & Comments: Possible Hazard Identification

Flammable Relinquished by P O #: 5133286 Site: South Bend City/State/Zip: Traverse City, Michigan 49686 Company: MACTEC Engineering and Consulting, Inc. Relinquished by: Relinquished by: (231) 922-9055 Address: 41 Hughes Drive (231) 922-9050 reservation Used: 1 = Ice, 2 = HCl; 3 = H2SO4; 4 = HNO3; 5 = NaOH; 6 = Otherroject Name: Honeywell South Bend - 3310102011.6100.1 SYA 516 524 01-38 21-38 7 KV-7E1/0 MW-W. W. BLANK <u></u> \overline{c} Sample Identification ō 401 Client Contact 0 0 FAX Phone Skin Irritant ANACYZO 11-3-10 Company: MACTBC 11-2-10 1905 GRAB HRO Company Company 11-2-10 1620 GEAB HEO 11-3-10 1028 11-3-10 1200 Project Manager: Steve Murray Tel/Fax: (231) 922-9050 11-2-101715 11-2-10 1753 11-1-10 1755 11-2-10 Sample Date 11-2-10 11-4-10 Calendar (C) or Work Days (W) Poison B FOR ALL TAT if different from Below 1104 1205 Analysis Turnaround Time Sample Time 1 week 2 days 2 weeks GRAB 1/20 GRAB HZO **डि**क्रुज GRAB l day GRAB HZO 3 (RAK) GRAR GRAB Sample Type GRAR Unknown 🔲 **LEIDELLA** 会 Hzo 02H Hzo 120 420 Date/Time: Hzo 120 Matrix Date/Time: 11/5 ú W W W # of Cont. CHARLES TO Site Contact: James Staley
Lab Contact: Mark Loeb Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Rotive For Monte Received by: Received by VOCs - 8260 B Dissolved Metals (As, Cr, Pb, Ni) - 6020 T. Phenols - 420.1 T. Cyanide - 9012 A (CIST MECUDED) Date: 11/5/10 Carrier: Company: Company FEDEX Archive For Date/Time: Job No. COC No: SDG No. TestAmerica Laboratories, Inc. Sample Specific Notes: Months 5000 1000 42 þf 1∦6

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772
Client Contact

Chain of Custody Record



TestAmerica Laboratories, Inc.

Plinat Contact	Project Manager: Steve Wurray	Mirrav		Site Contact: James Stalev	ntac	-	es	<u></u>	۱ ٔ		١		Date:		λ	1/1/3	1	1		╛	윉	COC No:		- [- [-	ļ		Į.
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	eceipt Form/Narrative	Lot Number	HOLDLUYS !
North Canton Facility		<u> </u>	2/2/18/
Client Maetou,	Project South	By:	MARY
Cooler Received on	Opened on 11/4	[10	(Signature)
FedEx ☑ UPS ☐ DHL ☐	FAS Stetson Client Drop Off	TestAmerica Courier	Other
TestAmerica Cooler#	Multiple Coolers 📉 Foan	n Box 🔲 "Client Cooler	
1. Were custody seals on th	ne outside of the cooler(s)? Yes		No 🗌 NA 🗍
If YES, Quantity			
	ne outside of cooler(s) signed and date	_	No NA
Were custody seals on th	· ·	Yes [No □
If YES, are there any exc			
2. Shippers' packing slip att	• • • • • • • • • • • • • • • • • • • •	Yes [No □ _
	mpany the sample(s)? Yes¹⊠ No □	Relinquishe	ed by client? Yes 🛮 No [
	signed in the appropriate place?		☑ No □
	Bubble Wrap 🔯 Foam 🔯 None		
	receipt °C See back	of form for multiple cool	ers/temps 🗶
METHOD: IR			,
		ater 🗌 None 🔲	
7. Did all bottles arrive in go	ood condition (Unbroken)?	Yes 2	№ □
8. Could all bottle labels be	reconciled with the COC?	Yes ∫	Z No □
9. Were sample(s) at the co	rrect pH upon receipt?	Yes [] No □ NA 🕏
10. Were correct bottle(s) use	ed for the test(s) indicated?	Yes 💆	No 🗆
11. Were air bubbles >6 mm	in any VOA vials?	Yes [□ No 🔯 NA 🗆
12. Sufficient quantity receive	ed to perform indicated analyses?	Yes 🛚	☑ No □
		Were VOAs on the COC?	Yes 🔯 No 🗌
	Date by		☑ Voice Mail ☑ Other ☐
Concerning			
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The following discrepancies of the following discrepancies of	were received	I after the recommended were received with bubble >6 mr	ved in a broken container n in diameter. (Notify PN
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END OF REPORT



DECIC2010

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 3310102011.6100

HONEYWELL SOUTH BEND

Lot #: A0K050414

Steven Murray

Mactec Engineering & Consultan 41 Hughes Drive Traverse City, MI 49686

TESTAMERICA LABORATORIES, INC.

Mark J. Loeb

Project Manager

mark.loeb@testamericainc.com

November 29, 2010

Approved for release. Mark J. Loeb Project Manager II 11/29/2010 2:55 PM





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 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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 (#0H-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:

,		AREA	LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF	
=======================================		=======	========	========	======	
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	<-
	·					

		RT I	LIMIT		
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
=======================================		=======		=======	=====
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
				-	ÍÍ

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.

Data File: \\cansvr11\dd\chem\MSS\a4hp9.i\01119a.b\L9K631AV.D Pa

Report Date: 19-Nov-2010 22:10

TestAmerica North Canton

INTERNAL STANDARD COMPOUNDS AREA AND RT SUMMARY

Instrument ID: a4hp9.i
Lab File ID: L9K631AV.D

Lab Smp Id: 19k631av Analysis Type: SV

Quant Type: ISTD Operator: 001574

Method File: \\cansvr11\dd\chem\MSS\a4hp9.i\01119a.b\8270c-625.m

Misc Info:

Calibration Date: 19-NOV-2010 Calibration Time: 08:22

Client Smp ID: EW-2 1110 Level: LOW

Sample Type: WATER

		AREA	LIMIT			1
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF	ĺ
	========	=======	=======	========	======	ĺ
1 1,4-Dichlorobenze	129058	64529	258116	0	-100.00	<
2 Naphthalene-d8	522578	261289	1045156	0	-100.00	۱ ،
3 Acenaphthene-d10	306515	153258	613030	0	-100.00	۱ ،
4 Phenanthrene-d10	499949	249975	999898	0	-100.00	<
5 Chrysene-d12	530217	265109	1060434	0	-100.00	۱ ،
6 Perylene-d12	460112	230056	920224	0	-100.00	<

		RT I	LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF	
	=======	========		========		
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.

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:

		AREA	LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF	
_======================================	========	========	=======	=======	======	ľ
1 1,4-Dichlorobenze	164927	82464	329854	234763	42.34	Ì
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	
- '	j	<u> </u>			1_:	

		RT I	LIMIT		<u> </u>
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
=======================================	========	=======	========	=======	======
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
<u> </u>		<u> </u>			l l

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.

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:

		AREA	LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF	
	=======	========	========	========	======	1
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	<-

		RT I	LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF	
		========	=======	========		
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	< -
						ĺ

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

A0K050414

PARAMETER	RESULT	REPORTING LIMIT	G <u>UNITS</u>	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	120	4.0	ug/L	CFR136A 624
(total)			_	
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

A0K050414

	ANALYTICAL
PARAMETER	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

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>	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L9K63	001	EW-2 1110	11/04/10	
L9K68	002	E3A 1110	11/04/10	

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.

Client Sample ID: EW-2 1110

GC/MS Volatiles

Lot-Sample #...: A0K050414-001 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

Dilution Factor: 2 Method.....: CFR136A 624

Dilution Factor: 2	Method	: CFR136A 62	CFR136A 624		
	DECLI M	REPORTING	INTEG		
PARAMETER	RESULT	LIMIT 2.0	UNITS ug/L		
cis-1,2-Dichloroethene	110		-		
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	120	4.0	ug/L		
(total)					
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.	ИD	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)			
		•			

Client Sample ID: EW-2 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K050414-001 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 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 ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L e
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 10 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 ND 10 ug/L ether ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl) - ND 10 ug/L bis(2-Chloroisopropyl) ND 10 ug/L ether Polloro-m-cresol ND 10 ug/L 2-Chloroaphthalene <t< td=""></t<>
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 ND 10 ug/L ether ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L bis(2-Chloroisopropyl) ND 10 ug/L ether ND 10 ug/L bis(2-Chlorome-cresol ND 10 ug/L 2-Chloronaphthalene 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(b) fluoranthene ND 10 ug/L Benzo(ghi) perylene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(c) fluoranthene ND 10 ug/L Benzo(c) fluoranthene ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethoxy) ND 10 ug/L ether bis(2-Chloroethyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
Acenaphthylene ND 10 ug/L Anthracene ND 10 ug/L Benzidine ND 100 ug/L Benzo(a) anthracene ND 100 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 Benzo(k) fluoranthene ND 10 ug/L d-Bromophenyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene 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 Benzo(k) fluoranthene ND 10 ug/L 4-Bromophenyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene 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 ND 10 ug/L ether ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl) - ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
Benzo(a)anthracene 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 Benzo(k)fluoranthene ND 10 ug/L 4-Bromophenyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl)- ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene 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 ND 10 ug/L ether ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L bis(2-Chloroethyl)- ND 10 ug/L ether ND 10 ug/L p-Chloro-m-cresol ND 10 ug/L 2-Chloroaphthalene 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 ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl)- ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
Benzo(ghi)perylene ND 10 ug/L Benzo(k)fluoranthene ND 10 ug/L 4-Bromophenyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl)- ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
Benzo(k)fluoranthene ND 10 ug/L 4-Bromophenyl phenyl ND 10 ug/L ether ND 10 ug/L Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L ether ND 10 ug/L ether ND 10 ug/L p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
4-Bromophenyl phenyl ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl)- ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L ether V V V bis(2-Chloroisopropyl) ND 10 ug/L ether V V V V p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L bis(2-Chloroethyl) - ND 10 ug/L ether ND 10 ug/L ether ND 10 ug/L p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L bis(2-Chloroethyl) - ether ND 10 ug/L bis(2-Chloroisopropyl) ND 10 ug/L ether nD 10 ug/L 2-Chloronaphthalene ND 10 ug/L
bis(2-Chloroethyl) - ND 10 ug/L ether ND 10 ug/L bis(2-Chloroisopropyl) ND 10 ug/L ether nD 10 ug/L 2-Chloronaphthalene ND 10 ug/L
ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L
2-Chloronaphthalene ND 10 ug/L
<u> </u>
0.717 1.77
2-Chlorophenol ND 10 ug/L
4-Chlorophenyl phenyl ND 10 ug/L
ether
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)

Client Sample ID: EW-2 1110

GC/MS Semivolatiles

Lot-Sample #: A0K050414-001	Work Order #	: L9K631AU	Matrix WG
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		REPORTIN	1G
PARAMETER	RESULT	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-	ND	10	ug/L
benzene			
2,4,6-Trichloro- phenol	ND	10	ug/L
	PERCENT	RECOVER	ď
SURROGATE	RECOVERY	LIMITS	
2-Fluorophenol	31	(10 - 13	
Phenol-d5	17	(10 - 13	
2,4,6-Tribromophenol	53	(10 - 14	
2-Fluorobiphenyl	48	(38 - 13	
Terphenyl-d14	76	(24 - 13)	
Nitrobenzene-d5	50	(44 - 1)	10)

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

LIMIT

UNITS

No Units

REPORTING

RESULT

NEG

2,3,7,8-TCDD

(Dioxin Screen)

NOTE(S):

PARAMETER

NEG Negative

Client Sample ID: EW-2 1110

GC Semivolatiles

Lot-Sample #: A0K050414-001	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	3
		REPORTING	
PARAMETER	RESULT	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	
SURROGATE	RECOVERY	LIMITS	

84

65

Tetrachloro-m-xylene

Decachlorobiphenyl

(15 - 131) (10 - 114)

Client Sample ID: EW-2 1110

GC Semivolatiles

Lot-Sample #:	A0K050414-001	Work Order	#: L9K631A	R Matrix: W	G

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

Dilution Factor: 1	Method:	: CFRI36A 60	J8
		REPORTING	
PARAMETER	RESULT	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	ЙD	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	$\frac{\text{BIMIIS}}{(10 - 151)}$	_ \
Decachlorobiphenyl	70	(10 - 151)	
pecacutoropthuenAt	70	(10 - 131)	1

Client Sample ID: EW-2 1110

TOTAL Metals

Matrix.... WG

Lot-Sample #...: A0K050414-001

Date Sampled...: 11/04/10 19:00 Date Received..: 11/05/10

PARAMETER	RESULT	REPORTING	UNITS	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	.: 0312017						
Silver	ND	1.0 Dilution Fact	-	MCAWW 200	3.8	11/08-11/10/10	L9K631AA
Arsenic	ND	5.0 Dilution Fact	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9K631AC
Beryllium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200	8.0	11/08-11/10/10	L9K631AK
Cadmium	ND	1.0 Dilution Fact	-	MCAWW 200	0.8	11/08-11/10/10	L9K631AD
Chromium	ND	2.0 Dilution Fact	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9K631AE
Copper	11.2	2.0 Dilution Fact	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9K631AF
Mercury	ND	0.20 Dilution Fact	-	MCAWW 245	5.1	11/08/10	L9K631AP
Nickel	2.3	2.0 Dilution Fact	-	MCAWW 200	0.8	11/08-11/10/10	L9K631AG
Lead	3.9	1.0 Dilution Fact	_	MCAWW 200	0.8	11/08-11/10/10	L9K631AH
Antimony	ND	2.0 Dilution Fact	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9K631AL
Selenium	ND	5.0 Dilution Fact	ug/L cor: 1	MCAWW 200	0.8	11/08-11/10/10	L9K631AM
Thallium	ND	1.0 Dilution Fact	-	MCAWW 200	0.8	11/08-11/10/10	L9K631AN
Zinc	43.9	10.0 Dilution Fact	-	MCAWW 200	0.8	11/08-11/10/10	L9K631AJ

Client Sample ID: EW-2 1110

General Chemistry

Lot-Sample #...: A0K050414-001 Matrix..... WG Work Order #...: L9K63

Date Sampled...: 11/04/10 19:00 Date Received..: 11/05/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/12/10	0316175
Hattial		Dilution Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/12/10	0316173
		Dilution Fact	or: 1			
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/05-11/10/10	0309361
		Dilution Fact	or: 1			
Nitrogen, as Ammonia	0.4	0.2 Dilution Fact	mg/L or: 1	SM18 4500NH3-F	11/10/10	0314205
Total phosphorus	ND	0.10	mg/L or: 1	SM18 4500-P E	11/10/10	0314203
Total Cyanide	0.038	0.010 Dilution Fact	mg/L or: 1	SM18 4500-CN E	11/11/10	0315285
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	11/08/10	0312056
		Dilution Fact	or: 1			

Client Sample ID: E3A 1110

GC/MS Volatiles

Lot-Sample #...: A0K050414-002 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

Dilution Factor: 1 Method.....: CFR136A 624

Dilution Factor: 1	Method:	CFR136A 62	R136A 624		
		REPORTING			
PARAMETER	RESULT	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	ИD	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		
	PERCENT	RECOVERY			
SURROGATE	RECOVERY	LIMITS	_		
1,2-Dichloroethane-d4	100	(80 - 125)			
Toluene-d8	101	(84 - 110)			
Bromofluorobenzene	95	(81 - 112)			

Client Sample ID: E3A 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K050414-002 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

		REPORTIN	IG
PARAMETER	RESULT	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	ND	10	ug/L
ether			-
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane			_
bis(2-Chloroethyl)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			
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	${ t ug/L}$

(Continued on next page)

Client Sample ID: E3A 1110

GC/MS Semivolatiles

Lot-Sample #:	A0K050414-002	Work Order	#: L9K681A1	Matrix	: WG
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REPORTING RESULT 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) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene 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) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
Di-n-octyl phthalate ND 10 ug/L 1,2-Diphenylhydrazine ND 10 ug/L bis(2-Ethylhexyl) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
1,2-Diphenylhydrazine ND 10 ug/L bis(2-Ethylhexyl) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
bis(2-Ethylhexyl) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L
Hexachlorobutadiene ND 10 ug/L
diene
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- ND 10 ug/L
amine
Pentachlorophenol ND 10 ug/L
Phenanthrene ND 10 ug/L
Phenol ND 10 ug/L
Pyrene ND 10 ug/L
1,2,4-Trichloro- ND 10 ug/L
benzene
2,4,6-Trichloro- ND 10 ug/L
phenol
<u>-</u>
PERCENT RECOVERY
SURROGATE 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)

Client Sample ID: E3A 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K050414-002 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

REPORTING

PARAMETER RESULT LIMIT UNITS

2,3,7,8-TCDD NEG No Units

(Dioxin Screen)

NOTE(S):

NEG Negative

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

Dilution Factor: 1	Method	: CFR136A	608
		REPORTI	NG
PARAMETER	RESULT	LIMIT	UNITS
Aroclor 1016	ND	1.0	ug/L
Aroclor 1221	ND	1.0	${ t ug/L}$
Aroclor 1232	ND	1.0	ug/L
Aroclor 1242	ND	1.0	ug/L
Aroclor 1248	ND	1.0	$\mathtt{ug/L}$
Aroclor 1254	ND	1.0	ug/L
Aroclor 1260	ND	1.0	ug/L
	PERCENT	RECOVER	Υ
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	59	(15 - 1	31)
Decachlorobiphenyl	43	(10 - 1)	14)

Client Sample ID: E3A 1110

GC Semivolatiles

Lot-Sample #:	A0K050414-002	Work Order #	: L9K681AX	Matrix WG
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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

		REPORTIN	G
PARAMETER	RESULT	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
	PERCENT	RECOVERY	
CIDDOCAME	RECOVERY	LIMITS	
SURROGATE			1 \
Tetrachloro-m-xylene	172 DIL,*	(10 - 15	•
Decachlorobiphenyl	83 DIL	(10 - 15	⊥)

NOTE(S):

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

^{*} Surrogate recovery is outside stated control limits.

Client Sample ID: E3A 1110

TOTAL Metals

Matrix..... WG

Lot-Sample #...: A0K050414-002

Date Sampled...: 11/04/10 18:10 Date Received..: 11/05/10

REPORTING PREPARATION-WORK ANALYSIS DATE ORDER # RESULT LIMIT UNITS METHOD Prep Batch #...: 0312017 11/08-11/10/10 L9K681AG 1.0 ua/L MCAWW 200.8 Silver Dilution Factor: 1 ND 5.0 uq/L MCAWW 200.8 11/08-11/10/10 L9K681AH Arsenic Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9K681AQ ND 1.0 uq/L Beryllium Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9K681AJ Cadmium ND 1.0 ug/L Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9K681AK 2.0 Chromium ug/L ND Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9K681AL 2.0 ua/L Copper ND Dilution Factor: 1 MCAWW 245.1 Mercury ND 0.20 ug/L 11/08/10 L9K681AV Dilution Factor: 1 19.0 2.0 ug/L MCAWW 200.8 11/08-11/10/10 L9K681AM Nickel Dilution Factor: 1 11/08-11/10/10 L9K681AN 1.0 MCAWW 200.8 Lead 6.5 uq/L Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9K681AR 2.0 ug/L ND Antimony Dilution Factor: 1 11/08-11/10/10 L9K681AT MCAWW 200.8 ND 5.0 ug/L Selenium Dilution Factor: 1 1.0 uq/L MCAWW 200.8 11/08-11/10/10 L9K681AU Thallium ND Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9K681AP Zinc 171 10.0 ug/L Dilution Factor: 1

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

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material		5.0	mg/L	CFR136A 1664A HEM	11/12/10	0316175
	Ι	Dilution Facto	r: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/12/10	0316173
	Ι	Dilution Facto	r: 1			
Biochemical Oxygen Demand (BOD)	6	2	mg/L	SM18 5210 B	11/05-11/10/10	0309361
, ,	Ι	Dilution Facto	r: 1			
Nitrogen, as Ammonia		0.2 Dilution Facto	mg/L r: 1	SM18 4500NH3-F	11/10/10	0314205
Total phosphorus	ND	0.10 Dilution Facto	mg/L or: 1	SM18 4500-P E	11/10/10	0314203
Total Cyanide	0.019	0.010 Dilution Facto	mg/L or: 1	SM18 4500-CN E	11/11/10	0315285
Total Suspended Solids	ND	4.0	mg/L	SM18 2540 D	11/08/10	0312056
	I	Dilution Facto	or: 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 Prep Batch #...: 0315405

Analysis Date..: 11/08/10

Dilution Factor: 1

REPORTI	NG
MEFORIT.	MA

PARAMETER	RESULT	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	${\tt ug/L}$	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	\mathtt{ug}/\mathtt{L}	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	${\tt ug/L}$	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	98	(80 - 125		
Toluene-d8	99	(84 - 110		
Bromofluorobenzene	94	(81 - 112	2)	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

GC/MS Volatiles

Client Lot #...: A0K050414

Work Order #...: L92NX1AA

Matrix..... WATER

MB Lot-Sample #: A0K140000-043

Prep Date....: 11/13/10 Prep Batch #...: 0318043

Analysis Date..: 11/13/10

Dilution Factor: 1

REPORTING

		TOT OTTE	.10	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	1.0	${\tt ug/L}$	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	\mathtt{ug}/\mathtt{L}	CFR136A 624
Chlorobenzene	ND	1.0	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{L}	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	100	(80 - 1	25)	
Toluene-d8	104	(84 - 1	10)	
Bromofluorobenzene	99	(81 - 1	12)	

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0K050414 Work Order #...: L9P5H1AA Matrix...... WATER

MB Lot-Sample #: A0K090000-041 Prep Date.....: 11/09/10

Analysis Date..: 11/11/10 Prep Batch #...: 0313041

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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)-	ND	10	ug/L	CFR136A 625
ether bis(2-Chloroisopropyl)	ND	10	ug/L	CFR136A 625
ether	MD	10	ug/ ii	CINIJON 023
p-Chloro-m-cresol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L ug/L	CFR136A 625
4-Chlorophenyl phenyl	ND	10	ug/L	CFR136A 625
ether	11.5	20	49/1	011,10011 020
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)

GC/MS Semivolatiles

		REPORTI			
PARAMETER	RESULT	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)	ND	10	ug/L	CFR136A 625	
phthalate			/		
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-	ND	10	ug/L	CFR136A 625	
amine			-5, -		
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-	ND	10	ug/L	CFR136A 625	
benzene			J.		
2,4,6-Trichloro-	ND	10	ug/L	CFR136A 625	
phenol			5		
	PERCENT	RECOVER	ĽΥ		
SURROGATE	RECOVERY	LIMITS			
2-Fluorophenol	44	(10 - 1)	.35)		
Phenol-d5	32	(10 - 1			
2,4,6-Tribromophenol	61	(10 - 1			
2-Fluorobiphenyl	61	(38 - 1			
Terphenyl-d14	95	(24 - 1			
Nitrobenzene-d5	64	(44 - 1)			

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0K050414

Work Order #...: L9P5J1AA

Matrix..... WATER

MB Lot-Sample #: A0K090000-042

Prep Date....: 11/09/10

Analysis Date..: 11/19/10

Prep Batch #...: 0313042

Dilution Factor: 1

REPORTING

PARAMETER

RESULT

LIMIT

UNITS MET

METHOD

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

GC Semivolatiles

Client Lot #...: A0K050414 Work Order #...: L9NPC1AA Matrix...... WATER

MB Lot-Sample #: A0K070000-080

Prep Date....: 11/08/10

Analysis Date..: 11/11/10 Prep Batch #...: 0311080

Dilution Factor: 1

		REPORTING			
PARAMETER	RESULT	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	${\tt ug/L}$	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	
	PERCENT	RECOVERY			
SURROGATE	RECOVERY	LIMITS	_		
Tetrachloro-m-xylene	84	(10 - 151)			
Decachlorobiphenyl	90	(10 - 151)	.)		

NOTE(S):

 $\label{lem:calculations} \textbf{Calculations are performed before rounding to avoid round-off errors in calculated results.}$

GC Semivolatiles

Client Lot #...: A0K050414

Work Order #...: L9NPD1AA

Matrix..... WATER

MB Lot-Sample #: A0K070000-081

Prep Date....: 11/08/10

Analysis Date..: 11/10/10

Prep Batch #...: 0311081

Dilution Factor: 1

		REPORTING	;	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
Tetrachloro-m-xylene	97	(15 - 131	.)	
Decachlorobiphenyl	52	(10 - 114	:)	

NOTE(S):

TOTAL Metals

Client Lot #...: A0K050414

Matrix.... WATER PREPARATION-WORK REPORTING RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # MB Lot-Sample #: A0K080000-017 Prep Batch #...: 0312017 2.0 ug/L MCAWW 200.8 11/08-11/10/10 L9NP21CQ Antimony Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9NP21CG ND 5.0 ua/L Arsenic Dilution Factor: 1 ND 1.0 ua/L MCAWW 200.8 11/08-11/10/10 L9NP21CP Beryllium Dilution Factor: 1 11/08-11/10/10 L9NP21CH Cadmium 1.0 MCAWW 200.8 ND uq/L Dilution Factor: 1 2.0 MCAWW 200.8 11/08-11/10/10 L9NP21CJ Chromium ND ug/L Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9NP21CK 2.0 uq/L Copper ND Dilution Factor: 1 11/08-11/10/10 L9NP21CM MCAWW 200.8 Lead ND 1.0 uq/L Dilution Factor: 1 11/08/10 0.20 ua/L MCAWW 245.1 L9NP21CU Mercury ND Dilution Factor: 1 Nickel ND 2.0 ug/L MCAWW 200.8 11/08-11/10/10 L9NP21CL Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9NP21CR 5.0 ug/L Selenium ND Dilution Factor: 1 11/08-11/10/10 L9NP21CF MCAWW 200.8 1.0 ug/L Silver ND Dilution Factor: 1 11/08-11/10/10 L9NP21CT MCAWW 200.8 Thallium ND 1.0 ug/L Dilution Factor: 1 Zinc ND 10.0 ug/L MCAWW 200.8 11/08-11/10/10 L9NP21CN Dilution Factor: 1

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

General Chemistry

Matrix....: WATER

Client Lot #...: A0K050414

PARAMETER n-Hexane Extractab Material, SGT		REPORTING LIMIT Work Order	UNITS	METHOD MB Lot-Sample #:		PREP BATCH #
natorial, bol	ND	10.0 Dilution Fact	mg/L or: 1	CFR136A 1664A SGT	11/12/10	0316173
n-Hexane Extractab	ole	Work Order	#: L9X3P1AA	MB Lot-Sample #:	A0K120000-175	
	ND	5.0 Dilution Fact	J.	CFR136A 1664A HEM	11/12/10	0316175
Biochemical Oxyger Demand (BOD)	ı	Work Order	#: L9RJ81AA	MB Lot-Sample #:	A0K050000-361	
Demaria (Dos)	ND	2 Dilution Fact	٥.	SM18 5210 B	11/05-11/10/10	0309361
Nitrogen, as Ammor	nia ND		mg/L	MB Lot-Sample #: SM18 4500NH3-F		0314205
Total phosphorus	ND		mg/L	MB Lot-Sample #: SM18 4500-P E		
Total Cyanide	ND	Work Order 0.010 Dilution Fact	mg/L	MB Lot-Sample #: SM18 4500-CN E		0315285
Total Suspended Solids		Work Order	#: L9NTH1AA	MB Lot-Sample #:	A0K080000-056	
501145	ND	4.0 Dilution Fact	-	SM18 2540 D	11/08/10	0312056

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

GC/MS Volatiles

Work Order #...: L9XKT1AC Matrix..... WATER Client Lot #...: A0K050414

LCS Lot-Sample#: A0K110000-405

Prep Date....: 11/08/10 Analysis Date..: 11/08/10

Prep Batch #...: 0315405

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		97	(80 - 125)
Toluene-d8		100	(84 - 110)
Bromofluorobenzene		98	(81 - 112)

(Continued on next page)

GC/MS Volatiles

Client Lot #...: A0K050414 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

GC/MS Volatiles

Matrix..... WATER Client Lot #...: A0K050414 Work Order #...: L92NX1AC

LCS Lot-Sample#: A0K140000-043

Prep Date....: 11/13/10 Prep Batch #...: 0318043 Analysis Date..: 11/13/10

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		106	(80 - 125)
Toluene-d8		107	(84 - 110)
Bromofluorobenzene		107	(81 - 112)

(Continued on next page)

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

GC/MS Semivolatiles

Client Lot #...: A0K050414 Work Order #...: L9P5H1AC Matrix.....: WATER

LCS Lot-Sample#: A0K090000-041

Prep Date....: 11/09/10 Analysis Date..: 11/11/10

Prep Batch #...: 0313041

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	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
<pre>bis(2-Chloroethoxy) methane</pre>	86	(60 - 110)	CFR136A 625
bis(2-Chloroethyl)- ether	88	(63 - 115)	CFR136A 625
<pre>bis(2-Chloroisopropyl) ether</pre>	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-	86	(10 - 138)	CFR136A 625
2-methylphenol			

(Continued on next page)

GC/MS Semivolatiles

Client Lot #...: A0K050414 Work Order #...: L9P5H1AC Matrix.....: WATER

LCS Lot-Sample#: A0K090000-041

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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)	93	(50 - 134)	CFR136A 625
phthalate			
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-	72	(42 - 112)	CFR136A 625
benzene			
2,4,6-Trichloro-	84	(54 - 110)	CFR136A 625
phenol			
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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)

GC/MS Semivolatiles

Client Lot #...: A0K050414 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

GC Semivolatiles

Client Lot #...: A0K050414 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

•	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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

GC Semivolatiles

Client Lot #...: A0K050414 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

PERCENT RECOVERY PARAMETER RECOVERY LIMITS METHOD Aroclor 1016 80 (50 - 114)CFR136A 608 Aroclor 1260 80 (8.0 - 127)CFR136A 608 PERCENT RECOVERY SURROGATE RECOVERY LIMITS Tetrachloro-m-xylene 74 (15 - 131)

32

(10 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Decachlorobiphenyl

TOTAL Metals

		.1.	OTAL METALS		
Client Lot #:	A0K050414			Matrix	: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Silver	A0K080000- 104		tch #: 0312017 MCAWW 200.8 or: 1	11/08-11/10/10	L9NP21CX
Arsenic	98	(85 - 115) Dilution Factor	MCAWW 200.8	11/08-11/10/10	L9NP21C0
Cadmium	100	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C1
Chromium	93	(85 - 115) Dilution Facto	MCAWW 200.8 pr: 1	11/08-11/10/10	L9NP21C2
Copper	102	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C3
Nickel	100	(85 - 115) Dilution Facto	MCAWW 200.8 or: 1	11/08-11/10/10	L9NP21C4
Lead	93	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C5
Zinc	109	(85 - 115) Dilution Facto	MCAWW 200.8 Dr: 1	11/08-11/10/10	L9NP21C6
Beryllium	98	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C7
Antimony	94	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C8
Selenium	99	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C9
Thallium	92	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21DA
Mercury	101	(85 - 115) Dilution Facto		11/08/10	L9NP21DC

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

General Chemistry

Lot-Sample #...: A0K050414 Matrix..... WATER PERCENT RECOVERY RPD PREPARATION-PREP ANALYSIS DATE BATCH # RECOVERY LIMITS RPD LIMITS METHOD PARAMETER n-Hexane Extractable WO#:L9X3N1AC-LCS/L9X3N1AD-LCSD LCS Lot-Sample#: A0K120000-173 Material, SGT (64 - 132)CFR136A 1664A SGT 11/12/10 0316173 84 (64 - 132) 0.29 (0-28) CFR136A 1664A SGT 84 11/12/10 0316173 Dilution Factor: 1 n-Hexane Extractable WO#:L9X3P1AC-LCS/L9X3P1AD-LCSD LCS Lot-Sample#: A0K120000-175 Material (78 - 114)CFR136A 1664A HEM 11/12/10 0316175 (78 - 114) 0.29 (0-11) CFR136A 1664A HEM 84 11/12/10 0316175 Dilution Factor: 1 WO#:L9RJ81AC-LCS/L9RJ81AD-LCSD LCS Lot-Sample#: A0K050000-361 Biochemical Oxygen Demand (BOD) 97 (85 - 115)SM18 5210 B 11/05-11/10/10 0309361 (85 - 115) 2.6 (0-20) SM18 5210 B 11/05-11/10/10 0309361 94 Dilution Factor: 1

NOTE(S):

General Chemistry

Client Lot #...: A0K050414 Matrix.....: WATER

PARAMETER Nitrogen, as Am	PERCENT RECOVERY monia 98	Work Order	SM18 4500NH3-F	PREPARATION- ANALYSIS DATE Lot-Sample#: A0K100000 11/10/10	PREP BATCH # -205 0314205
Total phosphoru	s 101		SM18 4500-P E	Lot-Sample#: A0K1000000-	-203 0314203
Total Cyanide	79		SM18 4500-CN E	Lot-Sample#: A0K110000- 11/11-11/11/10	
Total Suspended Solids		Work Order	#: L9NTH1AC LCS	Lot-Sample#: A0K080000	-056
DOTTED	91	(73 - 113) Dilution Fact	SM18 2540 D	11/08/10	0312056

NOTE(S):

GC/MS Volatiles

Lot-Sample #...: A0K050414 Work Order #...: L9JL91A5 Matrix.....: WATER

MS Lot-Sample #: A0K040486-001

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

	PERCENT	RECOVERY	
PARAMETER	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
		PERCENT	RECOVERY
SURROGATE		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.

TOTAL Metals

Client Lot #...: A0K050414 Matrix..... WATER

Date Sampled...: 11/04/10 13:00 Date Received..: 11/05/10

PARAMETER	PERCENT RECOVERY	RECOVERY RPD LIMITS RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MC Tot Compl	- #• ∧0₽0E	0565-001 Prep Batch #	. 0212017		
Antimony	e #: AUKUS 98	(70 - 130)	MCAWW 200.8	11/08-11/10/10	T.9MHV1D5
Ancimony	101	(70 - 130) 2.4 (0-20)		11/08-11/10/10	
		Dilution Factor: 1			
Arsenic	97	(70 - 130)	MCAWW 200.8	11/08-11/10/10	T.QMHV/1 DC
ALSCHIC	98	(70 - 130) 0.58 (0-20)	MCAWW 200.8	11/08-11/10/10	
		Dilution Factor: 1		,,,	
Beryllium	99	(70 - 130)	MCAWW 200.8	11/08-11/10/10	т.9мн7/1 г)2
Deryrram	105	(70 - 130) 5.2 (0-20)	MCAWW 200.8	11/08-11/10/10	
		Dilution Factor: 1		,,	
Cadmium	105	(70 - 130)	MCAWW 200.8	11/08-11/10/10	T.OMUV/1 DE
Cadillani	106	(70 - 130) 1.4 (0-20)	MCAWW 200.8	11/08-11/10/10	
		Dilution Factor: 1		,,,	
Chromium	97	(70 - 130)	MCAWW 200.8	11/08-11/10/10	т.ОМН7/1 П.Т
CIII OILLI UIL	100	(70 - 130) 3.6 (0-20)	MCAWW 200.8	11/08-11/10/10	
		Dilution Factor: 1		,,,	
Copper	102	(70 - 130)	MCAWW 200.8	11/08-11/10/10	T.9MHV1DM
Copper	104	(70 - 130) 2.7 $(0-20)$	MCAWW 200.8	11/08-11/10/10	
		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	
		Dilution Factor: 1			
Mercury	85	(69 - 134)	MCAWW 245.1	11/08/10	L9MHV1EF
noroury	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	L9MHV1DO
1.20.102	104	(70 - 130) 1.6 (0-20)	MCAWW 200.8	11/08-11/10/10	
		Dilution Factor: 1			
Selenium	96	(70 - 130)	MCAWW 200.8	11/08-11/10/10	T.9MHV1 D8
JOICHILUM	95	(70 - 130) 0.98 (0-20)	MCAWW 200.8	11/08-11/10/10	
	-	Dilution Factor: 1		, -, -,	

(Continued on next page)

TOTAL Metals

Client Lot #...: A0K050414 Matrix.....: WATER

Date Sampled...: 11/04/10 13:00 Date Received..: 11/05/10

PARAMETER Silver	PERCENT RECOVERY 109 110	RECOVERY LIMITS RPD (70 - 130) (70 - 130) 0.45 Dilution Factor	, -	METHOD MCAWW 200.8 MCAWW 200.8	PREPARATION- ANALYSIS DATE 11/08-11/10/10 11/08-11/10/10	
Thallium	97 98	(70 - 130) (70 - 130) 0.52 Dilution Face	'	MCAWW 200.8 MCAWW 200.8	11/08-11/10/10 11/08-11/10/10	
Zinc	97 100	(70 - 130) (70 - 130) 2.7 Dilution Face	(0-20) tor: 1	MCAWW 200.8 MCAWW 200.8	11/08-11/10/10 11/08-11/10/10	

NOTE(S):

General Chemistry

Client Lot #...: A0K050414 Matrix.....: WG

Date Sampled...: 11/04/10 18:10 Date Received..: 11/05/10

	PERCENT	REC	VE	ERY		RPI)				PREPARATION-	PREP
PARAMETER	RECOVERY	LIM	TS	3	RPD	LIN	1ITS	METHO)D		ANALYSIS DATE	BATCH #
Total phosph	orus			WO#:	L9K6	81A5	-MS	/L9K681	LA6-MSD	MS	Lot-Sample #: A	0K050414-002
	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
				Dilut	ion Fa	ctor	: 1					

NOTE(S):

General Chemistry

Client Lot #...: A0K050414 Matrix..... WATER

Date Sampled...: 10/29/10 15:15 Date Received..: 10/30/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS R	RPD RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Tota	al	WO#: I	J9D3Q1AQ-MS/I	9D3Q1AR-MSD M	S Lot-Sample #: A	0K010453-001
	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
		Dilutio	n Factor: 1			
Nitrogen, as	Ammonia	WO#: L	9HA11AJ-MS/I	SHA11AK-MSD M	S Lot-Sample #: A	0K030537-001
	95	(75 - 125)		SM18 4500NH3-F	11/10/10	0314205
	94	(75 - 125) 1	.2 (0-20)	SM18 4500NH3-F	11/10/10	0314205
		Dilutio	n Factor: 1			

NOTE(S):

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K050414 Work Order #...: L9LNX-SMP Matrix.....: WATER

L9LNX-DUP

Date Sampled...: 11/04/10 11:15 Date Received..: 11/05/10

PARAM RESULT Total Suspended	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE H0K050484-001	PREP BATCH #
Solids ND	ND	mg/L	100	(0-20)	SM18 2540 D	11/08/10	0312054

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K050414 Work Order #...: L9LPP-SMP

Matrix....: WATER

L9LPP-DUP

Date Sampled...: 11/04/10 11:45 Date Received..: 11/05/10

PARAM RESULT Total Suspended	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE H0K050484-002	PREP BATCH #
Solids 5.0	7.0	mg/L Dilution Fac	33	(0-20)	SM18 2540 D	11/08/10	0312054

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

Test Anerica

phone 330.497.2930 tax 230.777.777.	Project Manager: Steve Murray	Steve Murray	Si	Site Contact: James Staley	James S	taley		ਰੂ	Date: 11	12			_]_	TestAmerica COC No:	TestAmerica Laboratories, Inc. COC No:	inc.
Company: MACTEC Engineering and Consulting, Inc.	Tel/Fax: (231) 922-9050	9050	L	Lab Contact: Mark Loeb	: Mark L	Geb		್ಟ	Carrier:		如	ſ	_	of	cocs	
Address: 41 Hughes Drive	Analysi	Analysis Turnaround Time	ne			M) -	<u></u>		_			Job No.		
City/State/Zip: Traverse City, Michigan 49686	Calendar (C) or Work Days (W)	Work Days (W)			IEM	r HE	Hg, 1	BOD	40D							
(231) 922-9050 Phone	TAT if differ	TAT if different from Below			664-)	-SC	Pb,	and (- 25				n l	SDG No		
(231) 922-9055 FAX	·	2 weeks	201			1664	Cu,	ema	rss)				c.	טויס אָס.		
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Sample Identification	Datey Time	Туре	Matrix Cout.	vo svo	т. с	Gre	T. I	521	₩—					Samp	Sample Specific Notes:	
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	aOH; 6= Other			Samuel 1			ha L	133033	if can	nfes a	re refs			the may be assessed if samples are retained longer than 1 month)	th)	
Possible Hazard ldentification Non-Hazard Flammable Skin Irritant	Poison B	Unknown 🗀		Return To Client	Return To Client		1	Disposal By Lab	By Lab		A _C	Artimbe For	or e	Mc	Months	<u> </u>
as/QC Requirements & Co		collected in	Some		2ttos	(ook	5	プログラ	- 0	YOU BOD		2 Kmble	본	\sim	48 FR Fold	13.C
2 ANALYZE	FOR P	1	RIORI		de	11,00	17	Ž		7	15/	1	人	CODO CODO		<u>'</u>
Relinquished by:	Company:	()	Date/Inme:/	Recëi Yea		AA	N. C.	3	75	M	2	1		-51	ovato	100
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Relinquished by:	Company:	I	Date/Time:	Received by	Ş.				6	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



(231) 922-9050 City/State/Zip: Traverse City, Michigan 49686 Address: 41 Hughes Drive Company: MACTEC Engineering and Consulting, Inc. P O #: 5133286 Site: South Bend Project Name: Honeywell South Bend - 3310102011.6100 231) 922-9055 Special Instructions/QC Requiremen Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Preservation
Possible Hazard Identification
Flammable Relinquished by: Relinguished by Relinquished Ammonia E3A Sample Identification Client Contact Phone FAX Skin Irritant phosphorus collected in same hottle. Cooler KIKLYEE FOR AL MACTEC Tel/Fax: (231) 922-9050 Project Manager: Steve Murray 11-4-10 1810 Sample Date Company Company: Calendar (C) or Work Days (W) Poison B Analysis Turnaround Time Sample Time 1 week 2 days 2 weeks GENBOMP l day Sample Type Unknown PRIORITY H20 16 Matrix Date/Time: 1/4/10 Date/Time: # of Cout. 3 Filtered Sample Site Contact: James Staley Lab Contact: Mark Loeb VOCs - 624 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Active For Month × Received by: メ 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 contains BOD sample (48 HR) Hold time 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 Date: Carrier: F&D Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D Company Š SOLUDE! Dates ... Job No. TestAmerica Laboratories, Inc. SDG No. COC No: Date/Time: Date/Time: Sample Specific Notes: えつ 00059 of 62

TestAmerica Cooler Receipt Fo	
North Canton Facility	orm/Narrative Lot Number: Pokoso414
	- 4 SUSH R DUNG + HALLIAM
Client MACTE	Project TONNING By: 11 Dtt DVV
Cooler Received on 5 No V	
FedEx UPS DHL FAS S	
TestAmerica Cooler #	
1. Were custody seals on the outside	
If YES, Quantity	Quantity Unsalvageable
Were custody seals on the outside	St 3005tot(c) 5.9.100 and 5.100 a
Were custody seals on the bottle(s)	, 163 🗀 110 🗹
If YES, are there any exceptions? _ 2. Shippers' packing slip attached to the	ne cooler(s)?
11	
بمناه مستاه سيستان والمستاه والمستاء وا	
4. Were the custody papers signed in	rap Foam None Other PASTICE
O Contentemporature upon receipt	See back of form for multiple coolers/temps
	Other
COOLANT: Wet Ice K Blue	
7. Did all bottles arrive in good conditi	_ ,
Could all bottle labels be reconciled.	——————————————————————————————————————
Were sample(s) at the correct pH u	
10. Were correct bottle(s) used for the	Fan. (244).
11. Were air bubbles >6 mm in any VC	
12. Sufficient quantity received to perfo	
13 Was a trip blank present in the coo	ler(s)? Yes \(\) No \(\) Were VOAs on the COC? Yes \(\) No \(\)
Contacted PM Date	byvia Verbal ☐ Voice Mail ☐ Other ☐
Concerning	
14 CHAIN OF CUSTODY	
The following discrepancies occurred:	
, -	
'''	
15: SAMPLE CONDITION	enter the second of the second policing time had expired
Sample(s)	were received after the recommended holding time had expired.
Sample(s) Sample(s)	were received after the recommended holding time had expired. were received in a broken container.
Sample(s) Sample(s) Sample(s)	were received after the recommended holding time had expired.
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVATION	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM)
Sample(s) Sample(s) Sample(s) 16. SAMPLE PRESERVATION Sample(s)	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM) were further preserved in Sample
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVATION Sample(s) Receiving to meet recommended pH leads	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM) were further preserved in Sample evel(s). Nitric Acid Lot# 051010-HNO ₃ , Sulfuric Acid Lot# 051010-H ₂ SO ₄ , Sodium
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVATION Sample(s) Receiving to meet recommended pH In Hydroxide Lot# 100108 -NaOH; Hydroxhlo	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM) were further preserved in Sample evel(s). Nitric Acid Lot# 051010-HNO ₃ , Sulfuric Acid Lot# 051010-H ₂ SO ₄ , Sodium ric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVATION Sample(s) Receiving to meet recommended pH II Hydroxide Lot# 100108 -NaOH; Hydrochlo (CH ₃ COO) ₂ ZN/NaOH. What time was p	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM) were further preserved in Sample evel(s). Nitric Acid Lot# 051010-HNO3, Sulfuric Acid Lot# 051010-H2SO4; Sodium ric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108- reservative added to sample(s)?
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVATION Sample(s) Receiving to meet recommended pH In Hydroxide Lot# 100108 -NaOH; Hydroxhlo	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM) were further preserved in Sample evel(s). Nitric Acid Lot# 051010-HNO3, Sulfuric Acid Lot# 051010-H2SO4, Sodium ric Acid Lot# 092006-HCI; Sodium Hydroxide and Zinc Acetate Lot# 100108- reservative added to sample(s)?
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Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVATION Sample(s) Receiving to meet recommended pH II Hydroxide Lot# 100108 -NaOH; Hydrochlo (CH ₃ COO) ₂ ZN/NaOH. What time was p	were received after the recommended holding time had expired. were received in a broken container. were received with bubble >6 mm in diameter. (Notify PM) were further preserved in Sample evel(s). Nitric Acid Lot# 051010-HNO3, Sulfuric Acid Lot# 051010-H2SO4, Sodium ric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108- reservative added to sample(s)? pH Date Initials
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ter Carreon, Laborator	Form/Narrative pH	Date	Initials
Client ID	<u>pH</u>	Date	- Hitting
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Cooler #	Temp. °C	Method	Coolar
0111 222	Temp. °C Z ₁ 8	J,P	WETIO
34/2052	0.4		
0171 2052			
			ļ.
screpancies Cont'd:			
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screpancies Cont'd:			
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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

November 29, 2010

Approved for release. Mark J. Loeb Project Manager II 11/29/2010 3:01 PM

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.

OUALITY 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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

A0K060447

		REPORTIN	īG	ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD
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
<pre>1,2-Dichloroethene (total)</pre>	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	${ t mg/L}$	SM18 4500-CN E
Total Suspended Solids	19	4.0	mg/L	SM18 2540 D
Nitrogen, as Ammonia	0.5	0.2	${ t mg/L}$	SM18 4500NH3-F
EW-3 1110 11/05/10 11:40 002	16.2	2.0	~ /T	MCAWW 200.8
Copper Nickel	16.2	2.0	ug/L ug/L	MCAWW 200.8
Lead	4.6	1.0	-	MCAWW 200.8
Zinc	191	10.0	ug/L ug/L	MCAWW 200.8
	28	1.0	ug/L ug/L	CFR136A 624
cis-1,2-Dichloroethene	28	1.0	ug/L ug/L	CFR136A 624
<pre>trans-1,2-Dichloroethene 1,2-Dichloroethene (total)</pre>	56	2.0	ug/L ug/L	CFR136A 624 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

A0K060447

		REPORTIN	G .	ANALYTICAL
PARAMETER	RESULT	LIMIT	<u>UNITS</u>	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

A0K060447

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 Industrial Wastewater" 40CFR Part 136	-

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

WO # 5	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L9NAA	001	EW-1 1110	11/05/10	
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
MORES (C)				

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.

Client Sample ID: EW-1 1110

GC/MS Volatiles

Lot-Sample #...: A0K060447-001 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	
CHDDOGAER	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	-	
1,2-Dichloroethane-d4	105	(80 - 125)		
Toluene-d8	104	(84 - 110)		
Bromofluorobenzene	96	(81 - 112)		

Client Sample ID: EW-1 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-001 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

		REPORTING	7
PARAMETER	RESULT	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	ND	10	ug/L
ether	ř.		
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	${\tt ug/L}$
methane			
bis(2-Chloroethyl)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			
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)

Client Sample ID: EW-1 1110

GC/MS Semivolatiles

Lot-Sample #: A0K060447-001	Work Order	#: L9NAA1AU	Matrix WG
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		REPORTING	
PARAMETER	RESULT	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)	ND	10	ug/L
phthalate			~5, _
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene			-
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-	ND	10	ug/L
amine			
Pentachlorophenol	ND .	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-	ND	10	ug/L
benzene			
2,4,6-Trichloro-	ND	10	ug/L
phenol			
	PERCENT	RECOVERY	
SURROGATE	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)	

Client Sample ID: EW-1 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-001 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

REPORTING

PARAMETER RESULT LIMIT UNITS

2,3,7,8-TCDD NEG No Units

(Dioxin Screen)

NOTE(S):

NEG Negative

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

(10 - 114)

Prep Batch #...: 0311081

Decachlorobiphenyl

Dilution Factor: 1 Method..... CFR136A 608

		REPORTIN	1G
PARAMETER	RESULT	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	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xvlene	<u> </u>	(15 - 13	31)

58

Client Sample ID: EW-1 1110

GC Semivolatiles

Lot-Sample #: A0K060447-001	Work Order #: L9NAA1AR	Matrix WG
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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		
		REPORTING	
PARAMETER	RESULT	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)	

Client Sample ID: EW-1 1110

TOTAL Metals

Matrix..... WG

Lot-Sample #...: A0K060447-001

Date Sampled...: 11/05/10 10:45 Date Received..: 11/06/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
<pre>Prep Batch # Silver</pre>	: 0312017 ND	1.0 Dilution Facto	-	MCAWW 20	00.8	11/08-11/10/10	L9NAA1AA
Arsenic	8.7	5.0 Dilution Facto		MCAWW 20	8.00	11/08-11/10/10	L9NAA1AC
Beryllium	ND	1.0 Dilution Facto	J .	MCAWW 20	00.8	11/08-11/10/10	L9NAA1AK
Cadmium	ND	1.0 Dilution Facto	-	MCAWW 20	00.8	11/08-11/10/10	L9NAA1AD
Chromium	ND	2.0 Dilution Factor	-	MCAWW 20	00.8	11/08-11/10/10	L9NAA1AE
Copper	26.8	2.0 Dilution Factor	ug/L or: 1	MCAWW 20	8.00	11/08-11/10/10	L9NAA1AF
Mercury	ND	0.20 Dilution Factor	-	MCAWW 24	45.1	11/08/10	L9NAA1AP
Nickel	6.0	2.0 Dilution Factor	_	MCAWW 20	8.00	11/08-11/10/10	L9NAA1AG
Lead	4.9	1.0 Dilution Facto	J.	MCAWW 20	8.00	11/08-11/10/10	L9NAA1AH
Antimony	ND	2.0 Dilution Factor		MCAWW 20	00.8	11/08-11/10/10	L9NAA1AL
Selenium	ND	5.0 Dilution Factor	ug/L or: 1	MCAWW 20	0.8	11/08-11/10/10	L9NAA1AM
Thallium	ND	1.0 Dilution Facto	-	MCAWW 20	8.00	11/08-11/10/10	L9NAA1AN
Zinc	280	10.0 Dilution Factor	٥.	MCAWW 20	8.00	11/08-11/10/10	L9NAA1AJ

Client Sample ID: EW-1 1110

General Chemistry

Work Order #...: L9NAA Matrix..... WG Lot-Sample #...: A0K060447-001

Date Sampled...: 11/05/10 10:45 Date Received..: 11/06/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
		Dilution Fact	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
		Dilution Fact	or: 1			
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
		Dilution Fact	or: 1			
Nitrogen, as Ammonia	0.5	0.2 Dilution Fact	_	SM18 4500NH3-F	11/11/10	0315356
Total phosphorus	ND .	0.10 Dilution Fact	-	SM18 4500-P E	11/11/10	0315190
Total Cyanide	0.012	0.010 Diluțion Fact	mg/L or: 1	SM18 4500-CN E	11/11/10	0315280
Total Suspended Solids	19	4.0	mg/L	SM18 2540 D	11/09/10	0313109
		Dilution Fact	or: 1			

Client Sample ID: EW-3 1110

GC/MS Volatiles

Lot-Sample #...: A0K060447-002 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 62	24
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	56	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	$\mathtt{ug/L}$
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	$\frac{111113}{(80 - 125)}$	<u>, </u>
Toluene-d8	104	(84 - 110)	
Bromofluorobenzene	98	(81 - 110)	
DIOMOTIMOTONEHZEHE	J0	(01 - 112	ı

Client Sample ID: EW-3 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-002 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

		REPORTING	
PARAMETER	RESULT	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	ND	10	ug/L
ether			
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane			
bis(2-Chloroethyl)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			
Chrysene	ND	10	${\tt ug/L}$
Dibenz(a,h)anthracene	ND	10	\mathtt{ug}/\mathtt{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)

Client Sample ID: EW-3 1110

GC/MS Semivolatiles

Lot-Sample #: A0K060447-002	Work Order #: L9NAC1A1	Matrix WG
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		DEDODUTA		
PARAMETER	RESULT	REPORTIN LIMIT	UNITS	
2,4-Dinitrotoluene	ND	10	ug/L	
2,4-Dinitrotoluene	ND	10	ug/L	
Di-n-octyl phthalate	ND	10	ug/L	
1,2-Diphenylhydrazine	ND	10	ug/L	
bis(2-Ethylhexyl)	ND	10	ug/L	
phthalate	145	10	49, 1	
Fluoranthene	ND	10	ug/L	
Fluorene	ND	10	ug/L	
Hexachlorobenzene	ND	10	ug/L	
Hexachlorobutadiene	ND	10	ug/L	
Hexachlorocyclopenta-	ND	10	ug/L	
diene			- -	
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-	ND	10	ug/L	
amine				
Pentachlorophenol	ND	10	ug/L	
Phenanthrene	ND	10	ug/L	
Phenol	ND	10	ug/L	
Pyrene	ND	10	ug/L	
1,2,4-Trichloro-	ND	10	\mathtt{ug}/\mathtt{L}	
benzene				
2,4,6-Trichloro-	ND	10	ug/L	
phenol				
	PERCENT	RECOVERY	7	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	33	(10 - 13	35)	
Phenol-d5	25	(10 - 13		
2,4,6-Tribromophenol	67	(10 - 14)	12)	
2-Fluorobiphenyl	. 50	(38 - 13	.0)	
Terphenyl-d14	85	(24 - 13		
Nitrobenzene-d5	57	(44 - 1)		

Client Sample ID: EW-3 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-002 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

REPORTING

PARAMETER RESULT LIMIT UNITS

2,3,7,8-TCDD NEG NO Units

(Dioxin Screen)

NOTE(S):

NEG Negative

Client Sample ID: EW-3 1110

GC Semivolatiles

Lot-Sample #	: A0K060447-002	Work Order #:	L9NAC1AW	Matrix WG
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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

		REPORTING	G.
PARAMETER	RESULT	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	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	77	(15 - 13	1)
Decachlorobiphenyl	50	(10 - 11	4)

Client Sample ID: EW-3 1110

GC Semivolatiles

Lot-Sample #: A0K060447-002	Work Order #	: L9NAC1AX	Matrix	: WG
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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

Method	CINIDOA OC	76
	REPORTING	
RESULT	LIMIT	UNITS
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.50	ug/L
ND	0.050	ug/L
ND	2.0	ug/L
PERCENT	RECOVERY	
RECOVERY	LIMITS	
66	(10 - 151)	-
64		
	RESULT ND ND ND ND ND ND ND ND ND ND ND ND ND	RESULT

Client Sample ID: EW-3 1110

TOTAL Metals

Matrix....: WG

Lot-Sample #...: A0K060447-002

Date Sampled...: 11/05/10 11:40 Date Received..: 11/06/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	• 0312017					
Silver	ND	1.0 Dilution Fact	_	MCAWW 200.8	11/08-11/10/10	L9NAC1AG
Arsenic	ND	5.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AH
Beryllium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AQ
Cadmium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AJ
Chromium	ND	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AK
Copper	16.2	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AL
Mercury	ND	0.20 Dilution Fact	ug/L or: 1	MCAWW 245.1	11/08/10	L9NAC1AV
Nickel	163	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AM
Lead	4.6	1.0 Dilution Fact	-	MCAWW 200.8	11/08-11/10/10	L9NAC1AN
Antimony	ND	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AR
Selenium	ND	5.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AT
Thallium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AU
Zinc	191	10.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAC1AP

Client Sample ID: EW-3 1110

General Chemistry

Date Sampled..: 11/05/10 11:40 Work Order #..: L9NAC Matrix....: WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
	Dilı	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
	Dilı	tion Facto	or: 1			
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
	Dilı	tion Facto	or: 1			
Nitrogen, as Ammonia		0.2 ution Facto	mg/L or: 1	SM18 4500NH3-F	11/11/10	0315356
Total phosphorus	ND Dilu	0.10	mg/L or: 1	SM18 4500-P E	11/11/10	0315190
Total Cyanide	ND Dil	0.010	mg/L or: 1	SM18 4500-CN E	11/11/10	0315280
Total Suspended Solids	13	4.0	mg/L	SM18 2540 D	11/09/10	0313109
	Dilu	tion Facto	r: 1			

Client Sample ID: EW-4 1110

GC/MS Volatiles

Lot-Sample #...: A0K060447-003 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	
		REPORTING	
PARAMETER	RESULT	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	60	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	1.8	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
1,2-Dichloroethane-d4	103	(80 - 125)	-
Toluene-d8	103	(84 - 110)	
Bromofluorobenzene	97	(81 - 112)	
	J.	, = ++2/	

Client Sample ID: EW-4 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-003 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

2,4-Dinitrophenol

Dilution Factor: 1 Method.....: CFR136A 625

		REPORTIN	1G
PARAMETER	RESULT	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	ND	10	ug/L
ether			
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane			
bis(2-Chloroethyl)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	\mathtt{ug}/\mathtt{L}
ether			
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND .	10	ug/L
ether			
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	\mathtt{ug}/\mathtt{L}
Dimethyl phthalate	ND	10	ug/L
4,6-Dinitro-o-cresol	ND	50	ug/L
0 4 5: 11 1	3.775	F 0	/ -

(Continued on next page)

50

ug/L

ND

Client Sample ID: EW-4 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-003 Work Order #...: L9NAD1A1 Matrix..... WG

		DEDARTH	10	
од одмешто	DECLIT OF	REPORTIN		
PARAMETER	RESULT ND	<u>LIMIT</u> 10	<u>UNITS</u>	
2,4-Dinitrotoluene	ND	10	ug/L	
2,6-Dinitrotoluene	ND	10	ug/L ug/L	
Di-n-octyl phthalate		10	ug/L	
1,2-Diphenylhydrazine	ND ND	10	ug/L ug/L	
<pre>bis(2-Ethylhexyl) phthalate</pre>	ND	10	ug/L	
Fluoranthene	ND	10	ug/L	
Fluorene	ND	10	ug/L	
Hexachlorobenzene	ND	10	ug/L	
	ND	10	ug/L ug/L	
Hexachlorobutadiene		10		
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-	ND	10	ug/L	
benzene				
2,4,6-Trichloro-	ND	10	ug/L	
phenol				
	PERCENT	RECOVERY	•	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	32	(10 - 13)		
Phenol-d5	23	(10 - 13		
2,4,6-Tribromophenol	64	(10 - 14)		
2-Fluorobiphenyl	51	(38 - 11		
Terphenyl-d14	82	(24 - 13)		
Nitrobenzene-d5	51	(44 - 110)		

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

REPORTING

PARAMETER RESULT LIMIT UNITS

2,3,7,8-TCDD NEG No Units

(Dioxin Screen)

NOTE(S):

NEG Negative

Client Sample ID: EW-4 1110

GC Semivolatiles

Lot-Sample #:	A0K060447-003	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	3
			REPORTING	
PARAMETER		RESULT	LIMIT	UNITS
Aroclor 1016	2	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

98 54

SURROGATE

Tetrachloro-m-xylene

Decachlorobiphenyl

RECOVERY

(15 - 131) (10 - 114)

LIMITS

Client Sample ID: EW-4 1110

GC Semivolatiles

Lot-Sample #: A0K060447-003	Work Order #: L9NAD1AX	Matrix WG
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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

	REPORTING	
RESULT	LIMIT	UNITS
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.050	ug/L
ND	0.50	ug/L
ND	0.050	ug/L
ND	2.0	ug/L
PERCENT	RECOVERY	
RECOVERY	LIMITS	
81	(10 - 151)	
69	(10 - 151)	
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	RESULT

Client Sample ID: EW-4 1110

TOTAL Metals

Lot-Sample #...: A0K060447-003 Matrix....: WG

Date Sampled...: 11/05/10 08:40 Date Received..: 11/06/10

REPORTING PREPARATION-WORK METHOD RESULT LIMIT UNITS ANALYSIS DATE ORDER # Prep Batch #...: 0312017 11/08-11/10/10 L9NAD1AG Silver ND 1.0 uq/L MCAWW 200.8 Dilution Factor: 1 Arsenic ND 5.0 ua/L MCAWW 200.8 11/08-11/10/10 L9NAD1AH Dilution Factor: 1 ua/L MCAWW 200.8 11/08-11/10/10 L9NAD1AQ Beryllium ND Dilution Factor: 1 Cadmium ND 1.0 MCAWW 200.8 11/08-11/10/10 L9NAD1AJ ug/L Dilution Factor: 1 Chromium 2.0 MCAWW 200.8 11/08-11/10/10 L9NAD1AK ND ug/L Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9NAD1AL -2.0 Copper ND ug/L Dilution Factor: 1 Mercury ND 0.20 ug/L MCAWW 245.1 11/08/10 L9NAD1AV Dilution Factor: 1 Nickel ND 2.0 uq/L MCAWW 200.8 11/08-11/10/10 L9NAD1AM Dilution Factor: 1 Lead 1.0 ua/L MCAWW 200.8 11/08-11/10/10 L9NAD1AN 2.1 Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9NAD1AR Antimony ND 2.0 ug/L Dilution Factor: 1 11/08-11/10/10 L9NAD1AT Selenium 5.0 MCAWW 200.8 ND ug/L Dilution Factor: 1 Thallium ND 1.0 uq/L MCAWW 200.8 11/08-11/10/10 L9NAD1AU Dilution Factor: 1 MCAWW 200.8 11/08-11/10/10 L9NAD1AP Zinc 29.7 10.0 uq/L

Dilution Factor: 1

Client Sample ID: EW-4 1110

General Chemistry

Lot-Sample #...: A0K060447-003 Work Order #...: L9NAD Matrix..... WG Date Sampled...: 11/05/10 08:40 Date Received..: 11/06/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
	Dilu	tion Facto	r: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
	Dilu	tion Facto	r: 1			
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
	Dilu	ition Facto	r: 1			
Nitrogen, as Ammonia		0.2	mg/L r: 1	SM18 4500NH3-F	11/11/10	0315356
Total phosphorus	ND Dilu	0.10 ation Facto	mg/L or: 1	SM18 4500-P E	11/11/10	0315190
Total Cyanide	ND Dilu	0.010 ation Facto	mg/L or: 1	SM18 4500-CN E	11/11/10	0315280
Total Suspended Solids	11	4.0	mg/L	SM18 2540 D	11/09/10	0313109
	Dilu	ition Facto	r: 1			

Client Sample ID: EW-5 1110

GC/MS Volatiles

Lot-Sample #...: A0K060447-004 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

Dilution Factor: 2.5 Method.....: CFR136A 624

Dilution Factor: 2.5 Method C		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	160	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	${ t ug/L}$	
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	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	103	(80 - 125)		
Toluene-d8	100	(84 - 110)		
Bromofluorobenzene	94	(81 - 112)		

Client Sample ID: EW-5 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-004 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			REPORTIN	IC.
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 Benzo(da)enthacene ND 100 ug/L Benzo(a)pyrene ND 10 ug/L Benzo(b)fluoranthene ND 10 ug/L Benzo(b)fluoranthene ND 10 ug/L Benzo(k)fluoranthene ND 10 ug/L Berber Botton 10 <td< th=""><th>PARAMETER</th><th>RESIIT.T</th><th></th><th></th></td<>	PARAMETER	RESIIT.T		
m-Cresol				
D-Cresol				-
Acenaphthene ND 10 ug/L Acenaphthylene ND 10 ug/L Anthracene ND 10 ug/L Benzidine ND 10 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 C-Chloro-m-cresol ND 10 ug/L 2-Chloro-m-cresol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenol ND 10 ug/L bether Chrysene ND 10 ug/L Dibenz (a,h) anthracene ND 10 ug/L 1,2-Dichlorobenzene ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 2,4-Dichlorobenol ND 10 ug/L 2,4-Dichlorobenol ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate 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(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L ether ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L methane bis(2-Chloroethoxy) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloroma-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene 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 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dichlorobenzidine ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 2,4-Dimethyl phthalate ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene 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(b) fluoranthene ND 10 ug/L Benzo(ghi) perylene ND 10 ug/L Benzo(k) fluoranthene ND 10 ug/L ether Butyl benzyl phthalate ND 10 ug/L methane bis(2-Chloroethoxy) ND 10 ug/L ether bis(2-Chloroethyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L Dienz(a,h) anthracene ND 10 ug/L 1,2-Dichlorobenzene ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 3,3'-Dichlorobenzene ND 10 ug/L 2,4-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorobenzidine ND 10 ug/L Dientyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dienthyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	-			=
Benzidine				-
Benzo(a) anthracene				_
Benzo(a)pyrene				-
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 ether ND 10 ug/L ether ND 10 ug/L ether ND 10 ug/L 2-Chloroaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenyl phenyl ND 10 ug/L ether Chrysene ND 10 ug/L Dibenz(a,h)anthracene ND 10 ug/L Di-n-butyl phthalate ND 10 ug/L 1,3-Dichlorobenzene ND 10 ug/L 1,4-Dichlorobenzene				_
Benzo(ghi)perylene	****			_
Benzo(k) fluoranthene				——————————————————————————————————————
### A-Bromophenyl phenyl ether Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane bis(2-Chloroethyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L ether Chrysene ND 10 ug/L ether Chrysene ND 10 ug/L Ug/L 2-Chlorophenyl phenyl ND 10 ug/L Ug/L ether Chrysene ND 10 ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L U				-
## Butyl benzyl phthalate ND 10 ug/L ## bis(2-Chloroethoxy) ND 10 ug/L ## methane ## bis(2-Chloroethyl) - ND 10 ug/L ## ether ## bis(2-Chloroisopropyl) ND 10 ug/L ## ether ## bis(2-Chloroisopropyl) ND 10 ug/L ## ether ## p-Chloro-m-cresol ND 10 ug/L ## 2-Chloronaphthalene ND 10 ug/L ## 2-Chlorophenol ND 10 ug/L ## ether ## Chrysene ND 10 ug/L ## bibenz(a,h)anthracene 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 ## 2,4-Dichlorophenol ND 10 ug/L ## 2,4-Dichlorophenol ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 2,4-Dimethyl phthalate ND 10 ug/L ## 3,3-Dichloroperceresol ND 50 ug/L ## 4,6-Dimitro-o-cresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 3.3-Dichloroperceresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 50 ug/L ## 4.6-Dimitro-o-cresol ND 00 ## 5.6-Dimitro-o-cresol ND 00 ## 5.6-Di				_
Butyl benzyl phthalate ND 10 ug/L bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L ether Bis(2-Chloroethyl) - verther ND 10 ug/L ether Verther Verther Verther Verther p-Chloro-m-cresol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenyl phenyl ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 1,2-Dichlorobenzene ND 10 ug/L 3,3'-Dichlorobenzene ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L <t< td=""><td></td><td>m 100</td><td> -</td><td>- J. —</td></t<>		m 100	-	- J. —
bis(2-Chloroethoxy) ND 10 ug/L methane ND 10 ug/L ether ND 10 ug/L ether ND 10 ug/L ether ND 10 ug/L 2-Chloromaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 2,4-Dimethylphenol ND 10 ug/L 2,4-Dimethylphenol ND 1	Butvl benzvl phthalate	ND	10	ug/L
methane bis(2-Chloroethyl) - ND 10 ug/L ether bis(2-Chloroisopropyl) ND 10 ug/L ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether Chrysene 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 1,2-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 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 </td <td></td> <td></td> <td></td> <td>_</td>				_
bis(2-Chloroethyl) - ether ND 10 ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	-			57
ether bis(2-Chloroisopropyl) ND 10 ug/L ether vay/L ug/L p-Chloro-m-cresol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L 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 2,6-Dinitro-o-cresol ND 50 ug/L	,	ND	10	ug/L
ether p-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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'-Dichlorobenzene ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol 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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	-			. J.
## P-Chloro-m-cresol ND 10 ug/L 2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether Chrysene ND 10 ug/L Dibenz(a,h)anthracene ND 10 ug/L pi-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 2,4-Dichlorobenzidine ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol 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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	bis(2-Chloroisopropyl)	ND	10	ug/L
2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 2,4-Dichlorobenzidine ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L				J.
2-Chloronaphthalene ND 10 ug/L 2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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 2,4-Dichlorobenzidine ND 10 ug/L 3,3'-Dichlorobenzidine ND 10 ug/L 2,4-Dichlorophenol ND 10 ug/L Diethyl phthalate ND 10 ug/L Diethyl phthalate ND 10 ug/L 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	p-Chloro-m-cresol	ND	10	ug/L
2-Chlorophenol ND 10 ug/L 4-Chlorophenyl phenyl ND 10 ug/L ether 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'-Dichlorobenzene ND 10 ug/L 2,4-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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L	-	ND	10	ug/L
4-Chlorophenyl phenyl ND 10 ug/L ether 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'-Dichlorobenzene ND 10 ug/L 2,4-Dichlorophenol 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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L	-	ND	10	-
ether 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-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 Dimethyl phthalate ND 10 ug/L Dimethyl phthalate ND 10 ug/L		ND	10	_
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 2,4-Dimethylphenol ND 10 ug/L 0 ug/L 0 ug/L 10 ug/L 11 ug/L 12 ug/L 13 ug/L 14,6-Dinitro-o-cresol ND 50 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 2,4-Dimethylphenol ND 10 ug/L 0 ug/L 0 ug/L 10 ug/L 11 ug/L 12 ug/L 13 ug/L 14,6-Dinitro-o-cresol ND 50 ug/L	Chrysene	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 Dimethyl phthalate ND 10 ug/L A,6-Dinitro-o-cresol ND 50 ug/L	-	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 2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L		ND	10	_
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 Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L		ND	10	_
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		ND	10	-
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	•	ND	10	-
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		ND	10	_
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			10	-
2,4-Dimethylphenol ND 10 ug/L Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L			10	-
Dimethyl phthalate ND 10 ug/L 4,6-Dinitro-o-cresol ND 50 ug/L		ND		_
4,6-Dinitro-o-cresol ND 50 ug/L	_ -	ND	10	-
-		ND	50	
2,4-Dinitrophenol ND 50 ug/L	2,4-Dinitrophenol	ND	50	ug/L

(Continued on next page)

Client Sample ID: EW-5 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-004 Work Order #...: L9NAE1A1 Matrix...... WG

		DEDODMEN	I.C.
PARAMETER	RESULT	REPORTIN LIMIT	UNITS
2,4-Dinitrotoluene	ND 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)	ND	10	ug/L
phthalate		- 4	~5/~
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene			-
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-	ND	10	ug/L
benzene			-
2,4,6-Trichloro-	ND	10	ug/L
phenol			-
	PERCENT	RECOVERY	?
SURROGATE	RECOVERY	LIMITS	
2-Fluorophenol	36	(10 - 13	35)
Phenol-d5	26	(10 - 13)	32)
2,4,6-Tribromophenol	70	(10 - 14)	12)
2-Fluorobiphenyl	62	(38 - 11	.0)
Terphenyl-d14	87	(24 - 13)	35)
Nitrobenzene-d5	60	(44 - 11	0)

Client Sample ID: EW-5 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-004 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 Date....: 11/09/10
Prep Batch #...: 0313042

Dilution Factor: 1 Method.....: CFR136A 625 SIM

REPORTING

DEDODETVO

PARAMETER 2,3,7,8-TCDD

RESULT NEG LIMIT

UNITS No Units

(Dioxin Screen)

NOTE (S):

Client Sample ID: EW-5 1110

GC Semivolatiles

Lot-Sample #: A0K060447-004	Work Order #: L9NAE1AW	Matrix WG
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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

DITUCION FACCOL: 1	Method Craisoa ooo		
		REPORTIN	IG
PARAMETER	RESULT	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	${ t ug/L}$
	PERCENT	RECOVERY	7.
SURROGATE	RECOVERY	LIMITS	<u></u>
Tetrachloro-m-xylene	102	(15 - 13	31)
Decachlorobiphenyl	70	(10 - 11)	. 4)

Client Sample ID: EW-5 1110

GC Semivolatiles

Lot-Sample #...: A0K060447-004 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

Method: 1 Method: Crk130A 606					
		REPORTING			
PARAMETER	RESULT	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	80	(10 - 151)	-		
Decachlorobiphenyl	90	(10 - 151)			

Client Sample ID: EW-5 1110

TOTAL Metals

Matrix..... WG

Lot-Sample #...: A0K060447-004
Date Sampled...: 11/05/10 11:15 Date Received..: 11/06/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<pre>Prep Batch # Silver</pre>	: 0312017 ND	1.0 Dilution Fact	-	MCAWW 200.8	11/08-11/10/10	L9NAE1AG
Arsenic	ND	5.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AH
Beryllium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AQ
Cadmium	ND	1.0 Dilution Fact	_	MCAWW 200.8	11/08-11/10/10	L9NAE1AJ
Chromium	ND	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AK
Copper	8.9	2.0 Dilution Fact	J .	MCAWW 200.8	11/08-11/10/10	L9NAE1AL
Mercury	ND	0.20 Dilution Fact	-	MCAWW 245.1	11/08/10	L9NAE1AV
Nickel	21.2	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AM
Lead	12.6	1.0 Dilution Fact	-	MCAWW 200.8	11/08-11/10/10	L9NAE1AN
Antimony	ND	2.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AR
Selenium	ND	5.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AT
Thallium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	L9NAE1AU
Zinc	167	10.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/08-11/10/10	l9NAE1AP

Client Sample ID: EW-5 1110

General Chemistry

Lot-Sample #...: A0K060447-004 Work Order #...: L9NAE Matrix..... WG

Date Sampled...: 11/05/10 11:15 Date Received..: 11/06/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	7.1	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
	Di	lution Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
	Di	lution Facto	or: 1			
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
• • •	Di	lution Facto	or: 1			
Nitrogen, as Ammonia		0.2	mg/L or: 1	SM18 4500NH3-F	11/11/10	0315356
Total phosphorus	ND Di	0.10	mg/L or: 1	SM18 4500-P E	11/11/10	0315190
Total Cyanide	0.028	0.010	mg/L or: 1	SM18 4500-CN E	11/11/10	0315280
Total Suspended Solids	17	4.0	mg/L	SM18 2540 D	11/09/10	0313109
	Di	llution Facto	or: 1			

Client Sample ID: RWB-16 1110

GC/MS Volatiles

Lot-Sample #...: A0K060447-005 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

Dilution Factor: 1 Method.....: CFR136A 624

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
CUDDOGRAD	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	-
1,2-Dichloroethane-d4	103	(80 - 125)	
Toluene-d8	102	(84 - 110)	
Bromofluorobenzene	99	(81 - 112)	

Client Sample ID: RWB-16 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-005 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

		REPORTIN	ıc
PARAMETER	RESULT	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	ND	10	ug/L
ether			J .
Butyl benzyl phthalate	ND	10	ug/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane	•		-
bis(2-Chloroethyl)-	ND	10	ug/L
ether			-
bis(2-Chloroisopropyl)	ND	10	ug/L
ether			-
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			•
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)

Client Sample ID: RWB-16 1110

GC/MS Semivolatiles

Lot-Sample #: A0K060447-005			
		Matrix	

PARAMETER
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) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L Hexachlorocyclopenta- ND 10 ug/L diene Hexachlorocyclopenta- ND 10 ug/L Hexachlorocthane ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Isophorone ND 10 ug/L Naphthalene ND 10 ug/L Naphthalene ND 10 ug/L N-Nitrophenol 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) ND 10 ug/L 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 Hexachlorocyclopenta- diene ND 10 ug/L Hexachlorocthane 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 N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodinethylamine ND 10 ug
Di-n-octyl phthalate ND 10 ug/L 1,2-Diphenylhydrazine ND 10 ug/L bis(2-Ethylhexyl) ND 10 ug/L phthalate ND 10 ug/L Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorocyclopenta- ND 10 ug/L diene ND 10 ug/L Hexachlorocethane 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 N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug
1,2-Diphenylhydrazine ND 10 ug/L bis(2-Ethylhexyl) ND 10 ug/L 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- ND 10 ug/L diene ND 10 ug/L Hexachlorocyclopenta- ND 10 ug/L diene ND 10 ug/L Hexachlorocyclopenta- ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Naphthalene ND 10 ug/L Nitrobenzene ND 10 ug/L N-Nitroshenol ND 10 ug/L N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L <t< td=""></t<>
bis(2-Ethylhexyl) ND 10 ug/L phthalate Fluoranthene ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L Hexachlorocyclopenta- ND 10 ug/L diene ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Naphthalene ND 10 ug/L Naphthalene ND 10 ug/L Nitrobenzene ND 10 ug/L 2-Nitrophenol ND 10 ug/L N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene
phthalate ND 10 ug/L Fluorene ND 10 ug/L Hexachlorobenzene ND 10 ug/L Hexachlorobutadiene ND 10 ug/L Hexachlorocyclopenta- ND 10 ug/L diene ND 10 ug/L Hexachlorocthane ND 10 ug/L Indeno(1,2,3-cd)pyrene ND 10 ug/L Isophorone ND 10 ug/L Naphthalene ND 10 ug/L Naphthalene ND 10 ug/L Nitrobenzene ND 10 ug/L 2-Nitrophenol ND 10 ug/L N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L
Fluoranthene
Fluorene
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-Nitrosodi-n-propyl- ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol 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 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-Nitrosodi-n-propyl- amine ND 10 ug/L Pentachlorophenol ND 10 ug/L Phenanthrene 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-Nitrosodi-n-propyl- ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
diene 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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
Indeno(1,2,3-cd)pyrene
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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol 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- ND 10 ug/L Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol 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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol 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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol 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- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenol ND 10 ug/L 10 ug/L 10 ug/L 10 ug/L 10 ug/L
N-Nitrosodimethylamine ND 10 ug/L N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
N-Nitrosodiphenylamine ND 10 ug/L N-Nitrosodi-n-propyl- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
N-Nitrosodi-n-propyl- ND 10 ug/L amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
amine Pentachlorophenol ND 10 ug/L Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
PentachlorophenolND10ug/LPhenanthreneND10ug/LPhenolND10ug/L
Phenanthrene ND 10 ug/L Phenol ND 10 ug/L
Phenol ND 10 ug/L
·
Pyrene ND 10 ug/T.
1,2,4-Trichloro- ND 10 ug/L
benzene
2,4,6-Trichloro- ND 10 ug/L
phenol
PERCENT RECOVERY
SURROGATE 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)

Client Sample ID: RWB-16 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K060447-005 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

REPORTING

PARAMETER RESULT LIMIT UNITS

2,3,7,8-TCDD NEG No Units

(Dioxin Screen)

NOTE(S):

NEG Negative

Client Sample ID: RWB-16 1110

GC Semivolatiles

Lot-Sample	e #:	A0K060447-005	Work Order #:	L9NAF1AW	Matrix WQ
Date Samp	led:	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

		REPORTIN	NG		
PARAMETER	RESULT	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	RECOVERY		
SURROGATE	SURROGATE RECOVERY				
Tetrachloro-m-xylene	76	(15 - 13)	(15 - 131)		
Decachlorobiphenyl	56	(10 - 11)	L4)		

Client Sample ID: RWB-16 1110

GC Semivolatiles

Lot-Sample #: A0K060447-005	Work Order #: L9NAF1AX	Matrix WQ
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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

Dilution Factor: 1	Method	: CFR136A 608		
		REPORTING		
PARAMETER	RESULT	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	${ t ug/L}$	
Heptachlor epoxide	ND	0.050	ug/L	
Toxaphene	ND	2.0	ug/L	
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
Tetrachloro-m-xylene	73	(10 - 151)	
Decachlorobiphenyl	75	(10 - 151))	

Client Sample ID: RWB-16 1110

TOTAL Metals

Matrix....: WQ

Lot-Sample #...: A0K060447-005

Date Sampled...: 11/05/10 09:45 Date Received..: 11/06/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
<pre>Prep Batch # Silver</pre>	: 0312017 ND	1.0 Dilution Facto	-	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AG
Arsenic	ND	5.0 Dilution Facto	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AH
Beryllium	ND	1.0 Dilution Facto	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AQ
Cadmium	ND	1.0 Dilution Factor	=	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AJ
Chromium	ND	2.0 Dilution Factor	-	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AK
Copper	8.4	2.0 Dilution Factor	_	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AL
Mercury	ND	0.20	ug/L or: 1	MCAWW 245	5.1	11/08/10	L9NAF1AV
Nickel	ND	2.0 Dilution Factor	ug/L _ or: 1	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AM
Lead	24.9	1.0 Dilution Factor	_	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AN
Antimony	ND	2.0 Dilution Factor	-	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AR
Selenium	ND	5.0 Dilution Facto	ug/L or: 1	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AT
Thallium	ND	1.0 Dilution Facto	-	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AU
Zinc	94.3	10.0 Dilution Facto	-	MCAWW 200	0.8	11/08-11/10/10	L9NAF1AP

Client Sample ID: RWB-16 1110

General Chemistry

Lot-Sample #...: A0K060447-005 Work Order #...: L9NAF Matrix..... WQ

Date Sampled...: 11/05/10 09:45 Date Received..: 11/06/10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	6.2	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
	Dilı	tion Facto	or: 1			
n-Hexane Extractable Material, SGT	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
,	Dilı	tion Facto	or.: 1			
Biochemical Oxygen Demand (BOD)	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
	Dilı	tion Facto	or: 1			
Nitrogen, as Ammonia		0.2	mg/L or: 1	SM18 4500NH3-F	11/11/10	0315356
Total phosphorus	0.14	0.10	mg/L or: 1	SM18 4500-P E	11/11/10	0315190
Total Cyanide	ND Dila	0.010 ntion Facto	mg/L or: 1	SM18 4500-CN E	11/11/10	Q315280
Total Suspended Solids	6.0	4.0	mg/L	SM18 2540 D	11/09/10	0313109
	Dilı	ation Facto	or: 1			



QUALITY CONTROL SECTION

GC/MS Volatiles

Client Lot #...: A0K060447 Work Order #...: L93071AA Matrix...... WATER

MB Lot-Sample #: A0K150000-422

Prep Date....: 11/14/10

REPORTING

Analysis Date..: 11/14/10 Prep Batch #...: 0319422

Dilution Factor: 1

		REPORTING		
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{L}	CFR136A 624
1,1,2-Trichloroethane	ND	1.0	${\tt ug/L}$	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624
		DEGO	**	
CVDD COLUD	PERCENT	RECOVER	ĭ	
SURROGATE	RECOVERY	LIMITS	0.5.	
1,2-Dichloroethane-d4	101	(80 - 1		
Toluene-d8	102	(84 - 1	•	
Bromofluorobenzene	100	(81 - 112)		

NOTE(S):

GC/MS Semivolatiles

REPORTING

Client Lot #...: A0K060447 Work Order #...: L9P5H1AA Matrix...... WATER

MB Lot-Sample #: A0K090000-041 Prep Date.....: 11/09/10

Analysis Date..: 11/11/10 Prep Batch #...: 0313041

Dilution Factor: 1

		REPORTII	NG	
PARAMETER	RESULT	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	$\cdot ND$	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)	ND	10	ug/L	CFR136A 625
methane	1.2		_	
bis(2-Chloroethyl)-	ND	10	ug/L	CFR136A 625
ether				
<pre>bis(2-Chloroisopropyl) ether</pre>	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	ND	10	ug/L	CFR136A 625
ether	110		ug/ 1	
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	\mathtt{ug}/\mathtt{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	\mathtt{ug}/\mathtt{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)

GC/MS Semivolatiles

		REPORTI:	NG	
PARAMETER	RESULT	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)	ND	10	ug/L	CFR136A 625
phthalate				
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-	ND	10	ug/L	CFR136A 625
diene				
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-	ND	10	ug/L	CFR136A 625
amine				
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-	ND	10	ug/L	CFR136A 625
benzene			_	
2,4,6-Trichloro-	ND	10	ug/L	CFR136A 625
phenol			-	
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	4 4	(10 - 1	35 <u>)</u>	
Phenol-d5	32	(10 - 1	32)	
2,4,6-Tribromophenol	61	(10 - 1)	42)	
2-Fluorobiphenyl	61	(38 - 1	10)	
Terphenyl-d14	95	(24 - 1)		
Nitrobenzene-d5	64	(44 - 1		

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0K060447

Work Order #...: L9P5J1AA

Matrix..... WATER

MB Lot-Sample #: A0K090000-042

Prep Date....: 11/09/10

Analysis Date..: 11/19/10

Prep Batch #...: 0313042

NEG

Dilution Factor: 1

REPORTING

PARAMETER
2,3,7,8-TCDD

RESULT LIMIT UNITS

UNITS METHOD
No Units CFR136A 625 SIM

(Dioxin Screen)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NEG Negative

GC Semivolatiles

Client Lot #...: A0K060447

Work Order #...: L9NPC1AA

Matrix..... WATER

MB Lot-Sample #: A0K070000-080

Prep Date....: 11/08/10
Prep Batch #...: 0311080

Analysis Date..: 11/11/10

Dilution Factor: 1

	ING	

			. •	
PARAMETER	RESULT	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
	PERCENT	RECOVER:	<u>C</u>	
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	84	(10 - 15	51)	
Decachlorobiphenyl	90	(10 - 15)	51)	

NOTE(S):

GC Semivolatiles

Client Lot #...: A0K060447

Work Order #...: L9NPD1AA

Matrix..... WATER

MB Lot-Sample #: A0K070000-081

Prep Date....: 11/08/10

REPORTING

Analysis Date..: 11/10/10

Prep Batch #...: 0311081

Dilution Factor: 1

PARAMETER	RESULT	LIMIT	UNITS	METHOD
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

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
Tetrachloro-m-xylene	97	(15 - 131)
Decachlorobiphenyl	52	(10 - 114)

TOTAL Metals

Client Lot #...: A0K060447 Matrix.....: WATER

PARAMETER	RESULT	REPORTIN LIMIT	G UNITS	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample	#- AOKO8OOO	-017 Prep B	atch #:	0312017			
Antimony	ND	2.0	ug/L	MCAWW 200	.8	11/08-11/10/10	L9NP21CQ
		Dilution Fac	tor: 1				
Arsenic	ND	5.0 Dilution Fac	ug/L tor: 1	MCAWW 200	.8	11/08-11/10/10	L9NP21CG
Beryllium	ND	1.0	11 ~ /T	MCAWW 200	. 0	11/08-11/10/10	T OND 21CD
Бегутттиш	ND	Dilution Fac	-	IICAWW 200	.0	11/00-11/10/10	DAMESICE
			4		_		
Cadmium	ND _.	1.0 Dilution Fac	ug/L	MCAWW 200	.8	11/08-11/10/10	L9NP21CH
		DITUCTOR FAC	101. 1			•	
Chromium	ЙD		ug/L	MCAWW 200	.8	11/08-11/10/10	L9NP21CJ
		Dilution Fac	tor: 1				
Copper	ND	2.0	ug/L	MCAWW 200	.8	11/08-11/10/10	L9NP21CK
* *		Dilution Fac	tor: 1				
Lead	ND	1.0	ug/L	MCAWW 200	ι Q	11/08-11/10/10	T QNID 21 CM
Lead	ND	Dilution Fac	3.	MCAWW 200	• • •	11/00-11/10/10	LIJNE ZICH
				;			
Mercury	ND	0.20	- J	MCAWW 245	.1	11/08/10	L9NP21CU
		Dilution Fac	tor: 1				
Nickel	ND	2.0	ug/L	MCAWW 200	.8	11/08-11/10/10	L9NP21CL
		Dilution Fac	tor: 1				
Selenium	ND	5.0	ug/L	MCAWW 200	. 8	11/08-11/10/10	L9NP21CR
	112	Dilution Fac	_	11011 200		, , , ,, ,,	
			/-			11/00 11/10/10	7 0 1 7 0 1 0 7
Silver	ND	1.0 Dilution Fac	ug/L tor: 1	MCAWW 200	0.8	11/08-11/10/10	L9NP21CF
		Dilucton rac					
Thallium	ND	1.0	57	MCAWW 200	8.0	11/08-11/10/10	L9NP21CT
		Dilution Fac	tor: 1				
Zinc	ND	10.0	ug/L	MCAWW 200	.8	11/08-11/10/10	L9NP21CN
		Dilution Fac	tor: 1				
NOTE(S):							
TOTE (D) .							

General Chemistry

Matrix..... WATER

Client Lot #...: A0K060447

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP
n-Hexane Extractab				MB Lot-Sample #:		DATCH #
Material	Te	MOLK OLGEL	#; L93AUIAA	MP TOC-29WDIE #:	AUK150000-591	
	ND	5.0	mg/L	CFR136A 1664A HEM	11/16/10	0319391
		Dilution Facto	or: 1			
n-Hexane Extractab Material, SGT	le	Work Order	#: L93XL1AA	MB Lot-Sample #:	A0K150000-393	
	ND	10.0	mg/L	CFR136A 1664A SGT	11/16/10	0319393
		Dilution Facto	or: 1			
Biochemical Oxygen Demand (BOD)		Work Order	#: L9VMW1AA	MB Lot-Sample #:	A0K060000-112	
,	ND	2	mg/L	SM18 5210 B	11/06-11/11/10	0310112
		Dilution Facto	or: 1			
Nitrogen, as Ammon				MB Lot-Sample #:		
	ND	0.2 Dilution Factor	mg/L or: 1	SM18 4500NH3-F	11/11/10	0315356
Total phosphorus		Work Order	#: L9V0W1AA	MB Lot-Sample #:	A0K110000-190	
	ND	0.10 Dilution Factor	-	SM18 4500-P E	11/11/10	0315190
Total Cyanide		Work Order	#: L9WN61AA	MB Lot-Sample #:	A0K110000-280	
	ND	0.010	${ t mg/L}$	SM18 4500-CN E	11/11/10	0315280
		Dilution Facto	or: 1			
Total Suspended Solids		Work Order	#: L9P7M1AA	MB Lot-Sample #:	A0K090000-109	
	ND	4.0	mg/L	SM18 2540 D	11/09/10	0313109
		Dilution Facto	or: 1			
NOTE(S):						
0.1.1.1		1 55				

GC/MS Volatiles

Work Order #...: L93071AC Client Lot #...: A0K060447 Matrix..... WATER

LCS Lot-Sample#: A0K150000-422

Prep Date....: 11/14/10 Analysis Date..: 11/14/10

Prep Batch #...: 0319422

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	<u>LIMITS</u>
1,2-Dichloroethane-d4		105	(80 - 125)
Toluene-d8		105	(84 - 110)
Bromofluorobenzene		102	(81 - 112)

(Continued on next page)

GC/MS Volatiles

Client Lot #...: A0K060447 Work Order #...: L93071AC

Matrix.... WATER

LCS Lot-Sample#: A0K150000-422

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

GC/MS Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9P5H1AC Matrix..... WATER

LCS Lot-Sample#: A0K090000-041

Prep Date....: 11/09/10 Analysis Date..: 11/11/10

Prep Batch #...: 0313041

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	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
<pre>bis(2-Chloroethoxy) methane</pre>	86	(60 - 110)	CFR136A 625
<pre>bis(2-Chloroethyl)- ether</pre>	88	(63 - 115)	CFR136A 625
<pre>bis(2-Chloroisopropyl) ether</pre>	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-	86	(10 - 138)	CFR136A 625
2-methylphenol			

(Continued on next page)

GC/MS Semivolatiles

Client Lot #...: A0K060447 Work Order #...: L9P5H1AC Matrix.....: WATER

LCS Lot-Sample#: A0K090000-041

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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)	93	(50 - 134)	CFR136A 625
phthalate			
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-	72	(42 - 112)	CFR136A 625
benzene			
2,4,6-Trichloro-	84	(54 - 110)	CFR136A 625
phenol			
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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)

GC/MS Semivolatiles

Work Order #...: L9P5H1AC Matrix..... WATER Client Lot #...: A0K060447

LCS Lot-Sample#: A0K090000-041

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE	•	RECOVERY	LIMITS
Tetrachloro-m-xylene		90	(10 - 151)
Decachlorobiphenyl		39	(10 - 151)

NOTE(S):

 $\label{lem:calculations} \textbf{Calculations} \ \text{are performed before rounding to avoid round-off errors in calculated results}.$

GC Semivolatiles

Client Lot #...: AOKO60447 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

 PARAMETER
 RECOVERY
 LIMITS
 METHOD

 Aroclor 1016
 80
 (50 - 114)
 CFR136A 608

 Aroclor 1260
 80
 (8.0- 127)
 CFR136A 608

 SURROGATE
 RECOVERY
 LIMITS

 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.

TOTAL Metals

Client Lot #:	A0K060447			Matrix	: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Silver	A0K080000- 104		tch #: 0312017 MCAWW 200.8 or: 1	11/08-11/10/10	L9NP21CX
Arsenic	98	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C0
Cadmium	100	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C1
Chromium	93	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C2
Copper	102	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C3
Nickel	100	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C4
Lead	93	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C5
Zinc	109	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C6
Beryllium	98	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C7
Antimony	94	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C8
Selenium	99	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21C9
Thallium	92	(85 - 115) Dilution Facto	MCAWW 200.8	11/08-11/10/10	L9NP21DA
Mercury	101	(85 - 115) Dilution Facto	MCAWW 245.1	11/08/10	L9NP21DC
MOTE (0)					

Calculations are performed before rounding to avoid round-off errors in calculated results.

NOTE(S):

General Chemistry

Lot-Sample #	: A0K06		Matrix	: WATER		
	RECOVERY		LIMITS		PREPARATION- ANALYSIS DATE	BATCH #
	ractable	WO#:L93XJ1A	C-LCS/L93	XJ1AD-LCSD LCS	S Lot-Sample#: A0K1	50000-391
Material	92 92	(78 - 114)			HEM 11/16/10 HEM 11/16/10	
	92	(70 - 114) 0.0 Dilution Fac		CFR130A 1004A	UEM 11/10/10	0319391
n-Hexane Ext Material,		WO#:L93XL1A	C-LCS/L93	XL1AD-LCSD LCS	S Lot-Sample#: AOK1	50000-393
	80	(64 - 132)		CFR136A 1664A	SGT 11/16/10	0319393
	89	(64 - 132) 11	(0-28)	CFR136A 1664A	SGT 11/16/10	0319393
		Dilution Fac	ctor: 1			
Biochemical Demand (BO		WO#:L9VMW1A	C-LCS/L9V	MW1AD-LCSD LCS	S Lot-Sample#: A0K0	60000-112
	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 Fac	ctor: 1			

NOTE(S):

General Chemistry

Client Lot #...: A0K060447 Matrix.....: WATER

PARAMETER Nitrogen, as Am	PERCENT RECOVERY monia 98		METHOD #: L9XCQ1AC SM18 4500NH3			<u>DATE</u> A0K110000	PREP <u>BATCH #</u> -356 0315356
Total phosphoru	s 91		#: L9V0W1AC SM18 4500-P or: 1		-Sample#: 11/13		-190 0315190
Total Cyanide	85		#: L9WN61AC : SM18 4500-CN or: 1		-Sample#: 11/11		-280 0315280
Total Suspended		Work Order	#: L9P7M1AC	LCS Lot-	-Sample#:	A0K090000	-109
501103	92	(73 - 113) Dilution Fact	SM18 2540 D or: 1		11/09	9/10	0313109

NOTE(S):

GC/MS Volatiles

Lot-Sample #...: A0K060447 Work Order #...: L9J781A0 Matrix.....: WATER

MS Lot-Sample #: A0K040567-001

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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		108	(80 - 125)
Toluene-d8		104	(84 - 110)
Bromofluorobenzene		101	(81 - 112)

NOTE(S):

 $\label{lem:calculations} \textbf{Calculations} \ \textbf{are} \ \textbf{performed} \ \textbf{before} \ \textbf{rounding} \ \textbf{to} \ \textbf{avoid} \ \textbf{round-off} \ \textbf{errors} \ \textbf{in} \ \textbf{calculated} \ \textbf{results}.$

TOTAL Metals

Client Lot #...: A0K060447 Matrix.....: WATER

Date Sampled...: 11/04/10 13:00 Date Received..: 11/05/10

PARAMETER	PERCENT RECOVERY		RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #						
MS Lot-Sample #: A0K050565-001 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 Facto	or: 1									
Arsenic	97	(70 - 130)		MCAWW 200.8	11/08-11/10/10	T.9MHV1DC						
111001110	98	(70 - 130) 0.58	(0-20)	MCAWW 200.8	11/08-11/10/10							
		Dilution Facto	or: 1									
Beryllium	99	(70 - 130)		MCAWW 200.8	11/08-11/10/10	T OMU1/11 D 2						
perarram	105	(70 - 130) $(70 - 130)$ 5.2		MCAWW 200.8	11/08-11/10/10							
		Dilution Factor			,,							
Cadmium	105	(70 - 130) (70 - 130) 1.4	(0.20)	MCAWW 200.8	11/08-11/10/10							
	106	(/U - 13U) 1.4 Dilution Factor		MCAWW 200.8	11/08-11/10/10	Гамилтре						
		Directon reco.	O		,							
Chromium	97	(70 - 130)		MCAWW 200.8	11/08-11/10/10							
	100	(70 - 130) 3.6		MCAWW 200.8	11/08-11/10/10	L9MHV1DK						
		Dilution Facto	or: 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 Facto	or: 1									
Lead	101	(70 - 130)		MCAWW 200.8	11/08-11/10/10	T.9MHV1DII						
Leau	103	(70 - 130) 1.3	(0-20)	MCAWW 200.8	11/08-11/10/10							
		Dilution Fact										
	0.5	(60 104)		1603 FWT 0 4 F 1	11 /00 /10	T 03411111 III						
Mercury	85 76	(69 - 134) (69 - 134) 11	(0-20)	MCAWW 245.1 MCAWW 245.1	11/08/10 11/08/10	L9MHV1EF L9MHV1EG						
	70	Dilution Fact		MCAWW 243.1	11/00/10	пони тво						
Nickel	102	(70 - 130)		MCAWW 200.8	11/08-11/10/10							
	104	(70 - 130) 1.6		MCAWW 200.8	11/08-11/10/10	L9MHV1DR						
		Dilution Fact	ot: I									
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 Fact	or: 1									

(Continued on next page)

TOTAL Metals

Client Lot #...: A0K060447 Matrix....: WATER

Date Sampled...: 11/04/10 13:00 Date Received..: 11/05/10

PARAMETER Silver	PERCENT RECOVERY 109 110		• • • • • •	METHOD MCAWW 200.8 MCAWW 200.8	PREPARATION- ANALYSIS DATE 11/08-11/10/10 11/08-11/10/10	
Thallium	97 98	(70 - 130) (70 - 130) 0.52 Dilution Factor		MCAWW 200.8 MCAWW 200.8	11/08-11/10/10 11/08-11/10/10	-
Zinc	97 100	(70 - 130) (70 - 130) 2.7 Dilution Factor	(0-20) or: 1	MCAWW 200.8 MCAWW 200.8	11/08-11/10/10 11/08-11/10/10	-

NOTE(S):

General Chemistry

Client Lot #...: A0K060447 Matrix...... WG

Date Sampled...: 11/05/10 11:15 Date Received..: 11/06/10

	PERCENT	RECOV	ERY		RPD				PREPARATION	- PREP
PARAMETER	RECOVERY	LIMIT	<u>s</u>	RPD	LIMITS	METHO	מכ		ANALYSIS DA	TE BATCH #
Total phosph	orus		WO#:	L9NA	E1A5-MS/	L9NAE:	LA6-MSD	MS	Lot-Sample #:	A0K060447-004
	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):

General Chemistry

Client Lot #...: A0K060447 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 DAT	
Cyanide, Tota				L9MHV1ET-MSD M	IS Lot-Sample #:	
_	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
		Diluti	on Factor: 1			
Nitrogen, as	Ammonia	WO#:	L9AF21A3-MS/	L9AF21A4-MSD M	IS Lot-Sample #:	A0J290446-005
	102	(75 - 125)		SM18 4500NH3-E	11/11/10	0315355
	99	(75 - 125)	3.5 (0-20)	SM18 4500NH3-E	11/11/10	0315355
		Diluti	on Factor: 1			

NOTE(S):

^{*} Relative percent difference (RPD) is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K060447 Work Order #...: L9L9P-SMP Matrix.....: WATER

L9L9P-DUP

Date Sampled...: 11/05/10 10:30 Date Received..: 11/05/10

PARAM RESULT Total Suspended	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE A0K050546-001	PREP BATCH #
Solids	1 1	/T	0.4	(0.00)	GM10 0E40 B	11 /00 /10	0010100
14	T.T.	mg/L Dilution Fa	24 ctor: 1	(0-20)	SM18 2540 D	11/09/10	0313109

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K060447 Work Order #...: L9M1M-SMP Matrix.....: WATER

L9M1M-DUP

Date Sampled...: 11/05/10 10:00 Date Received..: 11/06/10

PARAM RESULT Total Suspended	DUPLICATE RESULT	UNITS	RPD_	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE A0K060420-001	PREP BATCH #
Solids 83	87	mg/L	4.7	(0-20)	SM18 2540 D	11/09/10	0313109
		Dilution Fa	ctor: 1				

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. (231) 922-9050 P O #: 5133286 Project Name: Honeywell South Bend - 3310102011.6100 (231) 922-9055 City/State/Zip: Traverse City, Michigan 49686 Site: South Bend Address: 41 Hughes Drive Special Instructions/QC Requirements & Comments: Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification Relinquished by Relinquished by: Relinquished by Immedia A momorale (nitrogen Non-Hazard Sample Identification Client Contact Phone and Phosphorus collected in FAX Skin Irritant rop Tel/Fax: (231) 922-9050 Project Manager: Steve Murray Sample Date Company: Calendar (C) or Work Days (W) Poison-B TAT if different from Below 10:45 Composite Analysis Turnaround Time Sample Time 1 week 2 weeks 2 days 1 day PRIORIT? Sample Type Unknown same bottle. H-0 Matrix Date/Time: Date/Time: 6 Cont. Cooler contains BOD sample (48 HR holdtime). Run Site Contact: James Staley qe T Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Active For Month VOCs - 624 Received by: Received by: Contact: Mark Loeb 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 Date: [/ Carrier: Phosphorus - 365.1 T. Suspended Solids (TSS) - 2540D Company: UL Company Company: LNCLUDED 12010 Job No. SDG No. Date/Time: Date/Time: 8 Sample Specific Notes: 20 රි 1010 76 of 83

North Canton 4101 Shuffel Street, N.

North Canton, OH 44720

Chain of Custody Record

Testanerin environmental test

phone 330.497.9396 fax 330.497.0772 Company: MACTEC Engineering and Consulting, PO#: 5133286 Project Name: Honeywell South Bend - 3310102011.6100 (231) 922-9055 (231) 922-9050 City/State/Zip: Traverse City, Michigan 49686 Site: South Bend ESddress: 41 Hughes Drive Special Instructions/QC Requirements & Comments:
A mymoria (nitrogen) and Phosphorus collected in same bottle. Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Relinquishe Relinquished by Possible Hazard Identification Relinquished by: A monia (nitropen Immediate Non-Hazard Sample Identification Flammable Client Contact FAX Phone Skin Irritani 쿲 Tel/Fax: (231) 922-9050 Project Manager: Steve Murray Company: Company: Sample Date Calendar (C) or Work Days (W) Poison B MACTEC TAT if different from Below Analysis Turnaround Time 11:40 Composite Sample Time 2 days 1 day 1 week 2 weeks PRIORITY Sample Unknown Date/Time: Date/Time 9 04 # of Site Contact: James Staley Lab Contact: Mark Loeb Cooler Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Alcrive For Month. VOCs - 624 > Received by: Received SVOCs, Diexin Screen - 625 × Pesticides, PCBs - 608 contains 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 BOD sample (48 HR holdtime). Run T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zn) - 200.7/200.8 Biochemical Oxygen Demand (BOD) -5210B Phosphorus - 365.1 Date: [/ Carrier: T. Suspended Solids (TSS) - 2540D Company: Company LNCLUDED 12010 on gor COC No: TestAmerica Laboratories, Inc. Date/Time: Sample Specific Notes: SOCS 77 of 83

North Canton 4101 Shuffel Street, N. W. North Canton, OH 44720 phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

Company: MACTEC Engineering and Consulting, Inc. (231) 922-9050 City/State/Zip: Traverse City, Michigan 49686 Site: South Bend (231) 922-9055 Project Name: Honeywell South Bend - 3310102011.6100 Address: 41 Hughes Drive P O #: 5133286 Special Instructions/QC Requirements & Comments: Preservation Used: 1= Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other 130 Relinquienced by Relinquished by Ammonia (nitrogen) and Phosphorus collected in same bottle. Relinquished by: Immediately ossible Hazard Identification Non-Hazard • Sample Identification Flammable Client Contact J-EX-LAINY FAX Phone Skin Irritans FOR ALL Tel/Fax: (231) 922-9050 Project Manager: Steve Murray Sample Date Company Company: Calendar (C) or Work Days (W) MACTE Poison B TAT if different from Below Analysis Turnaround Time B: 40 Composite 140 16 Sample Time 1 week 2 weeks 2 days 1 day PRIDRITT Unknown Sample Date/Time: Matrix Date/Time: # of Cont. 0 Cooler contains Site Contact: James Staley Lab Contact: Mark Loeb Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Aronive For Month. VOCs - 624 Received by: Received by: SVOCs, Dioxin Screen - 625 Pesticides, PCBs - 608 T. Cyanide - 4500 CN-E T. Oil & Grease (FOG) - 1664-HEM T. Petroleum Hydrocarbons Oil & Gresse (TPH O&G) - 1664-SGT HEM × Ammonia, Nitrogen - 4500 NH3-F BOD sample (48 HR holdtime). Run T. Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Ag, Zu) - 200,7/200.8 Biochemical Oxygen Demand (BOD) 5210B Phosphorus - 365.1 Carrier: Date: [/ T. Suspended Solids (TSS) - 2540D Company INCLUDED 12010 Jab No. TestAmerica Laboratories, Inc. COC No: SDG No Date/Time: 16, Sample Specific Notes: 5000 010

North Canton 4101 Shuffel Street, N. W. North Canton, OH. 44720

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

phone 330.497.9396 fax 330.497.0772 P O #; 5133286 Project Name: Honeywell South Bend - 3310102011.6100 City/State/Zip: Traverse City, Michigan 49686 Company: MACTEC Engineering and Consulting, Inc. Site: South Bend (231) 922-9055 (231) 922-9050 Address: 41 Hughes Drive Special Instructions/OC Requirements & Comments. Comments in same bottle. Cooler contains BOD sample (48 HR holattime). Run Ammonia (nitrogen) and Phosphorus collected in same bottle. Cooler contains BOD sample (48 HR holattime). Run Relinquished by Relinquished by Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Relinquished by: A mmoria (nitrogen ossible Hazard Identification Immediate Non-Hazard - Flammable Sample Identification Client Contact FAX Phone Skin Irritant FOR ALL MACTEL
Company: Tel/Fax: (231) 922-9050 Project Manager: Steve Murray Company: Sample Date Calendar (C) or Work Days (W) Poison B TAT if different from Below **三**ブ Analysis Turnaround Time Sample 1 week 2 weeks 2 days PRIORITT Unknown ____ Sample 1 5 10 4104 Date/Time: Date/Time: # of Cont. Site Contact: James Staley Z Lab Contact: Mark Loeb VOCs - 624 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Arcmive For Month × Received by: Received by 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 Date: 1/ Phosphorus - 365.1 Carrier: T. Suspended Solids (TSS) - 2540D Company N C Company: 200 Company: INCLUDED 12010 Job No. COC No: 11/6/ SDG No. TestAmerica Laboratories, Inc. Date/Time: Date/Time: Sample Specific Notes: C cocs 1010 of 83

North Canton
4101 Shuffel Street, N.

THE LEADER IN ENVIRONMENTAL TESTING

North Canton, OH 44720 phone 330.497.9396 fax 330.497.0772 Client Contact Project Manager: Steve Murray **Chain of Custody Record** Site Contact: James Staley Date: 11/5/2010 TestAmerica Laboratories, Inc. COC No:

one little in the series and Consulting in	Tel/Fax: (231) 922-9050	Į.	Lab Contact: Mark Loeb	Carrier: FER F	X,	(of) COCs	
Address: 41 Highes Drive	Analysis Turnaround Time		,			Job No.	╝
City/State/Zip: Traverse City, Michigan 49686	Calendar (C) or Work Days (W)		& HE F Ig, N	0D			
(231) 922-9050 Phone	TAT if different from Below		i64-H is Oil SGT NH3 Pb, I	- 254			L
(231) 922-9055 FAX	2 weeks		E rbon 1664 1500 Cu,	(SS)		SUG NO.	
Project Name: Honeywell South Bend - 3310102011.6100	1 week		CN- COG TOCA COCA Cr,				
Site: South Bend	2 days		Bs - 500 se (F Hyd: O&C roge Cd,				
P O #, 5133286	1 day		Preading Nit (As, 200.				Ł
	Cample Cample Sample		Cs - 62 Cs, D icides, yanid il & C etrole ase (T monia Ictals Zn) - chemic BB	uspen		-	
Sample Identification	}—	Matrix Cont.	SVC Pest T. C T. F Gre Am T. N Ag,	 		Sample Specific Notes:	
RUR-IL II IC	1/5/10 9:45 Control	N 3-10-11	XXXXX	XX			
							L
						-	L
							B3_
							of ·
							80
							L.
							L_
							L
						المراجعة المعالمة الم	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	OH; 6= Other						L
Possible Hazard Identification	Pairon B	□	Sample Disposal (A fee may be asses	tee may be assessed it samples are retained longer than 1 month; About Pisoosal By Lab About Por	Archive For	Months	
Non-Hazard riammable Skin ittium	ı		ľ		-		
Special Instructions/OC Requirements & Comments: A mymoria (nitrogen) and Phosphorus collected in		same bottle.	Cooler contains BOD.	BOD sample (48 HR holdtime)	HR hold	etime). Run	
Emmediately ANALYTE Fo		PRIORITY	OLLUTANTS (LIS	T INCL	NCLUDED)		
	Company:	Date/Time/	Received by MM	Company:	UC B	Date/Time: / /0/0 /0/0	L
Relinatished by:	Company:	Date/Time:	Received by:	Company:		Date/Time:	
Relinquished by:	Сотралу:	Date/Time:	Received by:	Company:	ם	Date/Time:	
		_					ĺ

TESTAINELICA COOICE N	Receipt Form/Narrative Lot Numi	ber: Ao Ko6o	44+
North Canton Facility		1 11/	
Client MACTE (y: (/~ /4/	
Cooler Received on	Opened on Ille/w	Z (Signature)	
THE DE DHIE	☐ EAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Cou	rier 🗌 Other	
Tank America Cooler#	Multiple Coolers 🔭 Foam Box Client Coo	oler 🔲 Other	
1 Mere custody seals on	the outside of the cooler(s)? Yes No I intact? Yes	es 🔀 No 🗌 NA 🛚	
if YES, Quantity	//) Quantity Unsalvageable	_	
Were custody seals on	the outside of cooler(s) signed and dated?	es No NA	
Were custody seals on	the bottle(s)?	es 🗌 No 🕅	8
If YES, are there any ex	xceptions?		
2 Shippers' packing slip a	attached to the cooler(s)?	es No 🗆	
3. Did custody papers acc	company the sample(s)? Yes 🔼 No 🔲 Relinqu	uished by client? Yes	MO L
4 Were the custody page	ers signed in the appropriate place?	es 🔯 No 🗌	
5 Dacking material used:	Rubble Wrap ⊠ Foam ⊠ None ☐ Other		
6 Cooler temperature upo	on receipt °C See back of form for multiple	coolers/temps	
METHOD: IR	Other		
	Blue Ice Dry Ice Water None		
7 Did all bottles arrive in	good condition (Unbroken)?	es 🛛 No 🗌	
8 Could all hottle labels b	be reconciled with the COC?	es 🕅 No 🗌	
9. Were sample(s) at the	correct pH upon receipt?	es 🔼 No 🗌 NA	
10 Were correct bottle(s)	used for the test(s) indicated?	es 🔯 No 🗌	
11. Were air bubbles >6 m	m in any VOA vials?	es 🗌 No 🔀 NA	
40 Cufficient aventity race	sived to perform indicated analyses?	es ₩ No 🗆	
42 Mac a trip blank preser	nt in the cooler(s)? Yes No X Were VOAs on the C	COC? Yes 🗶 No	
Contacted PM	Date by via Ve	rbal 🗌 Voice Mail 🔲	Other 🔲
Concerning			
14 CHAIN OF CUSTODY			
The following discrepancie			
The long wing aloc op a live			
	V STATE OF THE STA	and holding time he	od ovpirad
Sample(s)	were received after the recomme	ended holding time ha	ad expired.
Sample(s)	were received after the recomme were	received in a broken	container.
Sample(s) Sample(s) Sample(s)	were received after the recomme were were received with bubble >	received in a broken	container.
Sample(s)	were received after the recomme were were received with bubble >	received in a broken of the control	container. Notify PM)
Sample(s) Sample(s) Sample(s) 16. SAMPLE PRESERVA	were received after the recomme were were received with bubble > ATION were further	received in a broken >6 mm in diameter. (Ner preserved in Sampler	container. Notify PM)
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recomm	were received after the recomme were were received with bubble > ATION were furthe mended pH level(s). Nitric Acid Lot# 051010-HNOs; Sulfuric Acid	received in a broken >6 mm in diameter. (Ner preserved in Sampl Lot# 051010-H ₂ SO ₄ ; So	container. Notify PM) le odium
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recommendations Hydroxide Lot# 100108 -NaC	were received after the recomme were were were received with bubble > ATION were further mended pH level(s). Nitric Acid Lot# 051010-HNO ₃ ; Sulfuric Acid DH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zin	received in a broken >6 mm in diameter. (Ner preserved in Sampl Lot# 051010-H ₂ SO ₄ ; So	container. Notify PM) le odium
Sample(s) Sample(s) Sample(s) 16. SAMPLE PRESERVA Sample(s) Receiving to meet recommend to the sampl	were received after the recomme were were received with bubble > ATION were furthe mended pH level(s). Nitric Acid Lot# 051010-HNO3, Sulfuric Acid DH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zin at time was preservative added to sample(s)?	received in a broken of mm in diameter. (Note: preserved in Sample Lot# 051010-H ₂ SO ₄ , Social Acetate Lot# 100108-	container. Notify PM) le odium
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recommend to the sample (CH ₃ COO) ₂ ZN/NaOH. What Client ID	were received after the recomme were were received with bubble > ATION were furthe mended pH level(s). Nitric Acid Lot# 051010-HNO3; Sulfuric Acid OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zin at time was preservative added to sample(s)? pH	received in a broken of the preserved in Sample Lot# 051010-H ₂ SO ₄ , So ac Acetate Lot# 100108-	container. Notify PM) le odium
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Sample(s) Sample(s) Sample(s) 16. SAMPLE PRESERVA Sample(s) Receiving to meet recommend to the sample (CH3COO)2ZN/NaOH. What Client ID EW-{ EW-3	were received after the recomme were were received with bubble > ATION were further mended pH level(s). Nitric Acid Lot# 051010-HNO3; Sulfuric Acid OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zing at time was preservative added to sample(s)? pH 42 42 42 42 42 42 42 7/2	received in a broken of the preserved in Sample Lot# 051010-H ₂ SO ₄ , So ac Acetate Lot# 100108-	container. Notify PM) le odium
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recommend Hydroxide Lot# 100108 -NaC (CH ₃ COO) ₂ ZN/NaOH. What Client ID EW-{ EW-3 EW-4	were received after the recomme were were received with bubble > ATION were further mended pH level(s). Nitric Acid Lot# 051010-HNO3; Sulfuric Acid OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zing at time was preservative added to sample(s)? pH L2 L2 L2 L2 L2 L2 L2 Z/2 L2 L1 L2 L2 L2 L2 Z/2 L2 L1 L2 L2 L2 L2 Z/2	received in a broken of the preserved in Sample Lot# 051010-H ₂ SO ₄ , So ac Acetate Lot# 100108-	container. Notify PM) :
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recommend Hydroxide Lot# 100108 -NaC (CH₃COO)₂ZN/NaOH. What Client ID EW-{ EW-3 EW-4 EW-5	were received after the recomme were were received with bubble > ATION were further mended pH level(s). Nitric Acid Lot# 051010-HNO3; Sulfuric Acid DH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinget time was preservative added to sample(s)? pH L2 L2 L2 L2 L2 L2 L2 Z/2 L2 L2 L2 L2 L2 L2 Z/2 L2 L2 L2 L2 L2 L2 Z/2 L2 L2 L2 L2 L2 L2 Z/2	received in a broken of the preserved in Sample Lot# 051010-H ₂ SO ₄ , So ac Acetate Lot# 100108-	container. Notify PM) :
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recommend Hydroxide Lot# 100108 -NaC (CH ₃ COO) ₂ ZN/NaOH. What Client ID EW-{ EW-3 EW-4	were received after the recomme were were received with bubble > ATION were further mended pH level(s). Nitric Acid Lot# 051010-HNO3; Sulfuric Acid OH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zing at time was preservative added to sample(s)? pH L2 L2 L2 L2 L2 L2 L2 Z/2 L2 L1 L2 L2 L2 L2 Z/2 L2 L1 L2 L2 L2 L2 Z/2	received in a broken of the preserved in Sample Lot# 051010-H ₂ SO ₄ , So ac Acetate Lot# 100108-	container. Notify PM) :
Sample(s) Sample(s) Sample(s) 16: SAMPLE PRESERVA Sample(s) Receiving to meet recommend Hydroxide Lot# 100108 -NaC (CH₃COO)₂ZN/NaOH. What Client ID EW-{ EW-3 EW-4 EW-5	were received after the recomme were were received with bubble > ATION were further mended pH level(s). Nitric Acid Lot# 051010-HNO3; Sulfuric Acid DH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinget time was preservative added to sample(s)? pH L2 L2 L2 L2 L2 L2 L2 Z/2 L2 L2 L2 L2 L2 L2 Z/2 L2 L2 L2 L2 L2 L2 Z/2 L2 L2 L2 L2 L2 L2 Z/2	received in a broken of the preserved in Sample Lot# 051010-H ₂ SO ₄ , So ac Acetate Lot# 100108-	container. Notify PM) :

th Canton Facility	AH	<u>Date</u>	<u>Initials</u>
Client ID	Receipt Form/Narrative		
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Cooler#	Temp. °C	Method	Coolan
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241-547	0.7		\
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(A no #	0.7		
		 	
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END OF REPORT





TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 5310102011.6100.1

HONEYWELL SOUTH BEND

Lot #: A0K040486

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 2:58 PM

November 29, 2010

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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.

OC 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.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride,	Phthalate Esters	Copper, Iron, Zinc,	Copper, Iron, Zinc, Lead
Acetone, 2-Butanone		Lead, Calcium,	
		Magnesium, Potassium,	
		Sodium, Barium,	
		Chromium, Manganese	

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 repreparation 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

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

A0K040486

			REPORTING		ANALYTICAL
	PARAMETER	RESULT	LIMIT	UNITS	METHOD
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
	<pre>1,2-Dichloroethene (total)</pre>	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

A0K040486

PARAMETER	ANALYTICAL METHOD
Ammonia as N by ISE	SM18 4500NH3-F
Base/Neutrals and Acids Biochemical Oxygen Demand	CFR136A 625 SM18 5210 B
Dioxin Screen, Selective Ion Monitoring ICP-Mass Spectrometry ICP-Mass Spectrometry	CFR136A 625 SIM MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1
N-Hexane Ext. Material, Silica Gel Treated-1664A N-Hexane Extractable Material (1664A)	CFR136A 1664A SGT HEM CFR136A 1664A HEM
Organochlorine Pesticides and PCBs Purgeables	CFR136A 608 CFR136A 624
Total cyanide	SM18 4500-CN E SM18 4500-P E
Total phosphorus Total Suspended Solids	SM18 4500-P E 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

A0K040486

WO_#_	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
L9JL9	001	RWB-23	1110	11/03/10	13:00
NOTE (S	3) -				

- 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.

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

Dilucion ractor: 10	Method	: CFRISOA	024	
		REPORTIN	G	
PARAMETER	RESULT	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	${\tt ug/L}$	
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	•	
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	100	(80 - 12	5)	
Toluene-d8	101	(84 - 11	.0)	
Bromofluorobenzene	94	(81 - 11	2)	

Client Sample ID: RWB-23 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K040486-001 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

		REPORTIN	IC
PARAMETER	RESULT	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	ND	10	ug/L
ether	112	10	ug, <u> </u>
Butyl benzyl phthalate	ND	10	uq/L
bis(2-Chloroethoxy)	ND	10	ug/L
methane	112	- •	~9, _
bis(2-Chloroethyl)-	ND	10	ug/L
ether			
bis(2-Chloroisopropyl)	ND	10	ug/L
ether		_•	5,
p-Chloro-m-cresol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl	ND	10	ug/L
ether			3 ·
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
•			3 '

(Continued on next page)

Client Sample ID: RWB-23 1110

GC/MS Semivolatiles

Tot-Sample #	- AOTZO 40 40 C 001	ET I M	- TOTTO1711	8.6 - A	- 17.7
Tot-Sample #	• AUKU40486-001	WORK Order #	• 1.9.11.9 A11	Matrix	 IAI (→

		REPORTING	
PARAMETER	RESULT	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)	ND	10	ug/L
phthalate		10	49, 2
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-	ND	10	ug/L
diene	11.5	20	49/1
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-	ND	10	ug/L
amine ,			~5, ~
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-	ND	10	ug/L
benzene			3.
2,4,6-Trichloro-	ND ·	10	ug/L
phenol			
-			
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	_
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)	

Client Sample ID: RWB-23 1110

GC/MS Semivolatiles

Lot-Sample #...: A0K040486-001 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

REPORTING

PARAMETER RESULT LIMIT UNITS

2,3,7,8-TCDD NEG No Units

(Dioxin Screen)

NOTE(S):

NEG Negative

Client Sample ID: RWB-23 1110

GC Semivolatiles

Lot-Sample #: AOKO4	40486-001 W ork	Order #:	L9JL91AO	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 6	08
		REPORTING	
PARAMETER	RESULT	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	
SURROGATE	RECOVERY	LIMITS	_
Tetrachloro-m-xylene	93	(15 - 131)
Decachlorobiphenyl	65	(10 - 114)

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

		REPORTING	G
PARAMETER	RESULT	LIMIT	UNITS
Aldrin	MD	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	\mathtt{ug}/\mathtt{L}
Toxaphene	ND	2.0	ug/L
•	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Tetrachloro-m-xylene	69	(10 - 15)	1)
Decachlorobiphenyl	71	(10 - 15)	1)

Client Sample ID: RWB-23 1110

TOTAL Metals

Matrix....: WG

Lot-Sample #...: A0K040486-001

Date Sampled...: 11/03/10 13:00 Date Received..: 11/04/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Silver	: 0309015 ND	1.0 Dilution Facto	-	MCAWW 200.8	11/05-11/08/10	L9JL91AA
Arsenic	ND	5.0 Dilution Facto	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AC
Beryllium	ND	1.0 Dilution Factor	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AK
Cadmium	ND	1.0 Dilution Factor	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AD
Chromium	ND	2.0 Dilution Factor	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AE
Copper	26.2	2.0 Dilution Factor	_	MCAWW 200.8	11/05-11/08/10	L9JL91AF
Mercury	ND	0.20 Dilution Factor	ug/L or: 1	MCAWW 245.1	11/05-11/08/10	L9JL91AP
Nickel	38.2	2.0 Dilution Facto	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AG
Lead	32.5	1.0 Dilution Factor	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AH
Antimony	ND	2.0 Dilution Factor	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AL
Selenium	ND	5.0 Dilution Factor	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AM
Thallium	ND	1.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AN
Zinc	188	10.0 Dilution Fact	ug/L or: 1	MCAWW 200.8	11/05-11/08/10	L9JL91AJ

Client Sample ID: RWB-23 1110

General Chemistry

Lot-Sample #...: A0K040486-001 Work Order #...: L9JL9 Matrix..... WG

Date Sampled...: 11/03/10 13:00 Date Received..: 11/04/10

PARAMETER n-Hexane Extractable Material		RL 5.0	UNITS mg/L	METHOD CFR136A 1664A HEM	PREPARATION- ANALYSIS DATE 11/11/10	PREP BATCH # 0315336
n-Hexane Extractable Material, SGT		10.0	mg/L	CFR136A 1664A SGT	11/11/10	0315335
Biochemical Oxygen Demand (BOD)	NĎ	2 ilution Fact	mg/L	SM18 5210 B	11/04-11/09/10	0309070
Nitrogen, as Ammonia	0.6	0.2	mg/L	SM18 4500NH3-F	11/10/10	0314205
Total phosphorus	0.12	0.10 ilution Factor	mg/L or: 1	SM18 4500-P E	11/10/10	0314203
Total Cyanide	ND D:	0.010	mg/L or: 1	SM18 4500-CN E	11/11/10	0315285
Total Suspended Solids	14	4.0	mg/L	SM18 2540 D	11/05/10	0309099



QUALITY CONTROL SECTION

GC/MS Volatiles

Client Lot #...: A0K040486 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

		REPORTING		
PARAMETER	RESULT	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
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
1,2-Dichloroethane-d4	98	(80 - 125		
Toluene-d8	99	(84 - 110		
Bromofluorobenzene	94	(81 - 112)	

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0K040486 Work Order #...: L9P5H1AA Matrix..... WATER

Analysis Date..: 11/11/10 Prep Batch #...: 0313041

Dilution Factor: 1

		REPORTING	1	
PARAMETER	RESULT	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	ND	10	ug/L	CFR136A 625
ether				
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy)	ND	10	ug/L	CFR136A 625
methane				
bis(2-Chloroethyl)-	ND	10	ug/L	CFR136A 625
ether				
bis(2-Chloroisopropyl)	ND	10	ug/L	CFR136A 625
ether				
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	ND	10	ug/L	CFR136A 625
ether				
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	${\tt ug/L}$	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)

GC/MS Semivolatiles

		REPORTING		
PARAMETER	RESULT	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)	ND	10	ug/L	CFR136A 625
phthalate				
Fluoranthene	ND	10	${\tt ug/L}$	CFR136A 625
Fluorene	ND	10	${\tt ug/L}$	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta-	ND	10	ug/L	CFR136A 625
diene				
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-	ND	10	ug/L	CFR136A 625
amine			-	
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-	ND	10	ug/L	CFR136A 625
benzene			J.	
2,4,6-Trichloro-	ND	10	ug/L	CFR136A 625
phenol			3 ·	
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	44	(10 - 1)	35)	
Phenol-d5	32	(10 - 1)		
2,4,6-Tribromophenol	61	(10 - 1)		
2-Fluorobiphenyl	61	(38 - 1	10)	
Terphenyl-d14	95	(24 - 1		
Nitrobenzene-d5	64	(44 - 1		

NOTE(S):

GC/MS Semivolatiles

Client Lot #...: A0K040486

Work Order #...: L9P5J1AA

Matrix..... WATER

MB Lot-Sample #: A0K090000-042

Prep Date....: 11/09/10

Analysis Date..: 11/19/10

Prep Batch #...: 0313042

Dilution Factor: 1

REPORTING

PARAMETER RESULT LIMIT UNITS METHOD

2,3,7,8-TCDD NEG No Units CFR136A 625 SIM

(Dioxin Screen)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NEG Negative

GC Semivolatiles

Client Lot #...: AOKO40486 Work Order #...: L9NPC1AA Matrix...... WATER

Analysis Date.:: 11/11/10 Prep Batch #...: 0311080

Dilution Factor: 1

		REPORTIN	1G	
PARAMETER	RESULT	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	\mathtt{ug}/\mathtt{L}	CFR136A 608
Endrin	ND	0.050	\mathtt{ug}/\mathtt{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
	PERCENT	RECOVERY	7	
SURROGATE	RECOVERY	LIMITS		
Tetrachloro-m-xylene	84	(10 - 15)	51)	
Decachlorobiphenyl	90	(10 - 15		

NOTE(S):

GC Semivolatiles

Client Lot #...: A0K040486

Work Order #...: L9NPD1AA

Matrix..... WATER

MB Lot-Sample #: A0K070000-081

Prep Date....: 11/08/10 Prep Batch #...: 0311081

Analysis Date..: 11/10/10

Dilution Factor: 1

REPORTING

	KELOKITI	NG.	
RESULT	LIMIT	UNITS	METHOD
ND	1.0	ug/L	CFR136A 608
ND	1.0	ug/L	CFR136A 608
ND	1.0	ug/L	CFR136A 608
ND	1.0	ug/L	CFR136A 608
ND	1.0	ug/L	CFR136A 608
ND	1.0	ug/L	CFR136A 608
ND	1.0	ug/L	CFR136A 608
PERCENT	RECOVER	Y	
RECOVERY	LIMITS		
97	(15 - 1)	31)	
52	(10 - 1)	14)	
	ND ND ND ND ND ND ND PERCENT RECOVERY	RESULT LIMIT ND 1.0 LIMITS ECOVERY 97 (15 - 1.0	ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L ND 1.0 ug/L The recovery

NOTE(S):

TOTAL Metals

Matrix..... WATER

Client Lot #...: A0K040486

PREPARATION-WORK REPORTING RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # MB Lot-Sample #: A0K050000-015 Prep Batch #...: 0309015 2.0 ug/L MCAWW 200.8 11/05-11/08/10 L9KXG1DE Antimony Dilution Factor: 1 5.0 MCAWW 200.8 11/05-11/08/10 L9KXG1C5 Arsenic ND ua/L Dilution Factor: 1 ND 1.0 ua/L MCAWW 200.8 11/05-11/08/10 L9KXG1DD Beryllium Dilution Factor: 1 11/05-11/08/10 L9KXG1C6 ND 1.0 MCAWW 200.8 Cadmium ug/L Dilution Factor: 1 2.0 MCAWW 200.8 11/05-11/08/10 L9KXG1C7 Chromium ND uq/L Dilution Factor: 1 MCAWW 200.8 11/05-11/08/10 L9KXG1C8 2.0 uq/L Copper ND Dilution Factor: 1 MCAWW 200.8 11/05-11/08/10 L9KXG1DA Lead ND 1.0 uq/L Dilution Factor: 1 11/05-11/08/10 L9KXG1DH ND 0.20 ug/L MCAWW 245.1 Mercury Dilution Factor: 1 Nickel ND 2.0 ug/L MCAWW 200.8 11/05-11/08/10 L9KXG1C9 Dilution Factor: 1 MCAWW 200.8 11/05-11/08/10 L9KXG1DF 5.0 ug/L Selenium ND Dilution Factor: 1 11/05-11/08/10 L9KXG1C4 MCAWW 200.8 Silver 1.0 ug/L ND Dilution Factor: 1 MCAWW 200.8 11/05-11/08/10 L9KXG1DG Thallium ND 1.0 ua/L Dilution Factor: 1 Zinc ND 10.0 ug/L MCAWW 200.8 11/05-11/08/10 L9KXG1DC Dilution Factor: 1 NOTE(S):

General Chemistry

Matrix..... WATER

Client Lot #...: A0K040486

PARAMETER n-Hexane Extractab Material, SGT	RESULT le	REPORTING LIMIT UNI Work Order #: L	IS <u>METHOD</u> 9W711AA MB Lot-Sample #	PREPARATION- ANALYSIS DATE A0K110000-335	PREP BATCH #
	ND	10.0 mg/	L CFR136A 1664A SG	T 11/11/10	0315335
n-Hexane Extractab Material	ole	Work Order #: L	9W721AA MB Lot-Sample #	: A0K110000-336	
	ND	5.0 mg/	L CFR136A 1664A HE	М 11/11/10	0315336
Biochemical Oxygen Demand (BOD)	L	Work Order #: L	9P911AA MB Lot-Sample #	: A0K050000-070	
	ND	2 mg/1 Dilution Factor: 1	L SM18 5210 B	11/04-11/09/10	0309070
Nitrogen, as Ammon	nia ND	Work Order #: L 0.2 mg/ Dilution Factor: 1	9TW31AA MB Lot-Sample # L SM18 4500NH3-F		0314205
Total phosphorus	ND	Work Order #: L 0.10 mg/ Dilution Factor: 1	9TQQ1AA MB Lot-Sample ‡ L SM18 4500-P E		0314203
Total Cyanide	ND	Work Order #: L 0.010 mg/ Dilution Factor: 1	9WPH1AA MB Lot-Sample ‡ L SM18 4500-CN E		0315285
Total Suspended Solids		Work Order #: L	9K2Q1AA MB Lot-Sample ‡	: A0K050000-099	
	ND	4.0 mg/	L SM18 2540 D	11/05/10	0309099
NOTE(S):					

GC/MS Volatiles

Client Lot #...: A0K040486 Work Order #...: L9XKT1AC Matrix.....: WATER

LCS Lot-Sample#: A0K110000-405

Prep Date....: 11/08/10 Analysis Date..: 11/08/10

Prep Batch #...: 0315405

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		97	(80 - 125)
Toluene-d8		100	(84 - 110)
Bromofluorobenzene		98	(81 - 112)

(Continued on next page)

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

GC/MS Semivolatiles

Client Lot #...: A0K040486 Work Order #...: L9P5H1AC Matrix.....: WATER

LCS Lot-Sample#: A0K090000-041

Prep Date....: 11/09/10 Analysis Date..: 11/11/10

Prep Batch #...: 0313041

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	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
<pre>bis(2-Chloroisopropyl) ether</pre>	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-	86	(10 - 138)	CFR136A 625
2-methylphenol			

(Continued on next page)

GC/MS Semivolatiles

Client Lot #...: AOKO40486 Work Order #...: L9P5H1AC Matrix..... WATER

LCS Lot-Sample#: A0K090000-041

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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)	93	(50 - 134)	CFR136A 625
phthalate		(00 201)	021120021 020
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-	89	(57 - 110)	CFR136A 625
amine		• • • • • • • • • • • • • • • • • • • •	
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-	72	(42 - 112)	CFR136A 625
benzene			
2,4,6-Trichloro-	84	(54 - 110)	CFR136A 625
phenol		•	
_			
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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)

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

GC Semivolatiles

Client Lot #...: A0K040486 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

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
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
,		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
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

GC Semivolatiles

Client Lot #...: A0K040486 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

PERCENT RECOVERY PARAMETER RECOVERY LIMITS METHOD Aroclor 1016 (50 - 114) 80 CFR136A 608 Aroclor 1260 (8.0-127)80 CFR136A 608 RECOVERY PERCENT SURROGATE RECOVERY LIMITS (15 - 131) Tetrachloro-m-xylene $\overline{74}$ (10 - 114)

32

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Decachlorobiphenyl

TOTAL Metals

Client Lot #:	A0K040486		Matrix: WATER
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS METHOD	PREPARATION- ANALYSIS DATE WORK ORDER #
LCS Lot-Sample#: Silver	A0K050000- 101	015 Prep Batch #: 0309015 (85 - 115) MCAWW 200.8 Dilution Factor: 1	
Arsenic	94	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DP
Cadmium	98	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DQ
Chromium	92	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DR
Copper	101	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DT
Nickel	98	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DU
Lead	91	(85 - 115) MCAWW 200.8; Dilution Factor: 1	11/05-11/08/10 L9KXG1DV
Zinc	110	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DW
Beryllium	98	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1DX
Antimony	94	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1D0
Selenium	95	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1D1
Thallium	88	(85 - 115) MCAWW 200.8 Dilution Factor: 1	11/05-11/08/10 L9KXG1D2
Mercury	100	(85 - 115) MCAWW 245.1 Dilution Factor: 1	11/05-11/08/10 L9KXG1D3
NOTE(S):			

General Chemistry

Lot-Sample #	#: A0K04	0486			Matrix	: WATER
	PERCENT	RECOVERY	RPD		PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS RPD	LIMITS	METHOD	ANALYSIS DATE	BATCH #
n-Hexane Ext	ractable	WO#:L9W711AC	-LCS/L9W	711AD-LCSD LCS Lo	t-Sample#: A0K1	10000-335
Material,	SGT					
	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 Fac	tor: 1			
n-Hexane Ext Material	cractable	WO#:L9W721AC	-LCS/L9W	721AD-LCSD LCS Lo	t-Sample#: A0K1	10000-336
	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 Fac	tor: 1			
Biochemical Demand (BC	4 2	WO#:L9P911AC	-LCS/L9P	911AD-LCSD LCS Lo	t-Sample#: A0K0	50000-070
	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 Fac	tor: 1			

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

General Chemistry

Client Lot #...: A0K040486 Matrix....: WATER

PARAMETER Nitrogen, as Am	PERCENT RECOVERY monia 98	Work Order	SM18 4500NH3-F	PREPARATION- ANALYSIS DATE Lot-Sample#: A0K100000- 11/10/10	PREP <u>BATCH #</u> -205 0314205
Total phosphoru	s 101		SM18 4500-P E	Lot-Sample#: A0K100000- 11/10/10	-203 0314203
Total Cyanide	79		SM18 4500-CN E	Lot-Sample#: A0K110000- 11/11-11/11/10	
Total Suspended		Work Order	#: L9K2Q1AC LCS	Lot-Sample#: A0K050000	-099
501143	96	(73 - 113) Dilution Factor	SM18 2540 D or: 1	11/05/10	0309099

NOTE(S):

GC/MS Volatiles

Lot-Sample #...: A0K040486 Work Order #...: L9JL91A5 Matrix...... WG

MS Lot-Sample #: A0K040486-001

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

	PERCENT	RECOVERY	
PARAMETER	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
		DED CENTE	DEGOMEDM
GIIDD OG 3 FIF		PERCENT	RECOVERY
SURROGATE		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.

TOTAL Metals

Client Lot #...: A0K040486 Matrix..... WATER

Date Sampled...: 11/01/10 15:50 Date Received..: 11/04/10

PARAMETER	PERCENT RECOVERY	RECOVERY RPD LIMITS RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sampl Antimony	.e #: A0K04 101 102	10537-001 Prep Batch #. (70 - 130) (70 - 130) 1.2 (0-20) Dilution Factor: 1	MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Arsenic	98 100	(70 - 130) (70 - 130) 2.6 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Beryllium	101 103	(70 - 130) (70 - 130) 2.0 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Cadmium	102 102	(70 - 130) (70 - 130) 0.0 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Chromium	97 97	(70 - 130) (70 - 130) 0.20 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Copper	98 102	(70 - 130) (70 - 130) 3.8 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Lead	100 100	(70 - 130) (70 - 130) 0.46 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Mercury	96 94	(69 - 134) (69 - 134) 1.9 (0-20) Dilution Factor: 1	MCAWW 245.1 MCAWW 245.1	11/05-11/08/10 11/05-11/08/10	
Nickel	99 103	(70 - 130) (70 - 130) 3.5 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	
Selenium	97 100	(70 - 130) (70 - 130) 3.2 (0-20) Dilution Factor: 1	MCAWW 200.8 MCAWW 200.8	11/05-11/08/10 11/05-11/08/10	

(Continued on next page)

TOTAL Metals

Client Lot #...: A0K040486 Matrix..... WATER

Date Sampled...: 11/01/10 15:50 Date Received..: 11/04/10

	PERCENT	RECOVERY	RPD		PREPARATION-	WORK
PARAMETER	RECOVERY	LIMITS RPD	LIMITS	METHOD	ANALYSIS DATE	ORDER #
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 Fac	tor: 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 Fac	tor: 1			
Zinc	104	(70 - 130)		MCAWW 200.8	11/05-11/08/10	L9J0P1E2
	106	(70 - 130) 2.2 Dilution Fac	(0-20)	MCAWW 200.8	11/05-11/08/10	L9J0P1E3

NOTE(S):

General Chemistry

Client Lot #...: A0K040486 Matrix..... WATER

Date Sampled...: 10/29/10 15:15 Date Received..: 10/30/10

	PERCENT	RECOVERY	RPD		PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD LIMITS	METHOD	ANALYSIS DATE	BATCH #
Cyanide, Tot	al	WO#:	L9D3Q1AQ-MS/	L9D3Q1AR-MSD MS	Lot-Sample #: A	0K010453-001
	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
		Dilut	ion Factor: 1			
Nitrogen, as	Ammonia	WO#:	L9HA11AJ-MS/	L9HA11AK-MSD MS	Lot-Sample #: A	0K030537-001
	95	(75 - 125)		SM18 4500NH3-F	11/10/10	0314205
	94	(75 - 125)	1.2 (0-20)	SM18 4500NH3-F	11/10/10	0314205
		Dilut	ion Factor: 1			
Total phosph		WO#:	L9K681A5-MS/	L9K681A6-MSD MS	-	0K050414-002
	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
		Dilut	ion Factor: 1			

NOTE(S):

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K040486 Work Order #...: L9H8Q-SMP Matrix.....: WATER

L9H8Q-DUP

Date Sampled...: 11/03/10 14:00 Date Received..: 11/04/10

DUPLICATE RPD PREPARATION-PREP PARAM RESULT RESULT RPD LIMIT METHOD ANALYSIS DATE BATCH # UNITS Total Suspended SD Lot-Sample #: A0K040430-001 Solids mg/L ND (0-20) SM18 2540 D 11/05/10 0309099 ND 0

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0K040486

Work Order #...: L9JFL-SMP

Matrix....: WATER

L9JFL-DUP

Date Sampled...: 11/03/10 15:00 Date Received..: 11/04/10

DUPLICATE RPD PREPARATION-PREP PARAM RESULT Suspended RESULT RPD LIMIT METHOD ANALYSIS DATE BATCH # UNITS SD Lot-Sample #: A0K040459-001 Solids (0-20) SM18 2540 D 200 11/05/10 0309099 ND ND mg/L

Dilution Factor: 1

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record



												 		l			TestAmerica Laboratories, Inc.	boratories, Inc.
Client Contact	Project Manager: Steve Murray	Murray	Site Contact: James Staley	act: Ja	mes :	staley			Ü	Date:		S.	o		·	Ļ	COC No:	
Company: MACTEC Engineering and Consulting, Inc.	Tel/Fax: (231) 922-9050		Lab Contact: Mark Loeb	act: N	lark I	ફ			C	Carrier:	Ï					<u> </u>	of	COCs
Address: 41 Hughes Drive	Analysis Turi	Analysis Turnaround Time			_	 /1			4	_		_				늰	Job No.	
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Preservation Used: $1=Ice$, $2=HCl$; $3=H2SO4$; $4=HNO3$; $5=NaOH$; $6=Other$	H; 6= Other						<u> </u>		_			_						
Possible Hazard Identification. Flammable Skin Irritan	Poison B	<i>Uпкпочп</i> 🔲	Samp	nple Disposal (A I	posa n To (l (A fee	may	be as: Disp	e assessed if sa Disposal By Lab	difs By La	ampl b	es ar	A. et	retained lor Arctille For	For	ger	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Artime For Months	
15/OC Requirements & Comments: (nitrogen) and phosphorus (1751	collected in a	some bottle Cooler	معاهض		3	contains Bo	젅		ž	9		(2)	<u>∓</u>	~	#	to	> surple (48 HR Halding) An	Analyze for
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North Canton Facil	ity dii balan ana ana ana ana ana ana ana ana ana	mber: <u>AOL 040486</u>
Client Mactec	Parinet	By: 1/2 6
Cooler Received on	11/4/10 Opened on 1/14/10	(0)
FedEx / UPS DHL	FAS Stetson Client Drop Off TestAmerica Co	(Signature)
TestAmerica Cooler #	241-1066 Multiple Coolers Foam Box Client Co	odler Other
1. Were custody seals of	on the outside of the cooler(s)? Yes No Intact?	Yos Z No Z NA Z
If YES, Quantity	Quantity Unsalvageable	Yes 🖊 No 🗌 NA 🗍
Were custody seals of		Yes 🗹 No 🔲 NA 🔲
Were custody seals of		Yes - No NA
If YES, are there any		Yes 🗌 No 📈
		Van Dr. N. D
3. Did custody papers a	· · · · · · · · · · · · · · · · · · ·	Yes No
4. Were the custody par		quished by client? Yes No
5. Packing material used	d: Bubble Wrap ☑ Foam ☐ None ☐ Other	Yes 🗹 No 🗌
6 Cooler temperature u	pon receipt <u>l.a</u> °C See back of form for multiple	
METHOD:	R Other O	coolers/temps 🔲
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11. Were air bubbles >6 r		′es ☐ No ☑ NA ☐
12. Sufficient quantity rec	ceived to perform indicated analyses?	es_ No 🔲
13. Was a trip blank prese	ent in the cooler(s)? Yes 🔲 No 📈 Were VOAs on the C	COC? Yes 🖸 No 🗌
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