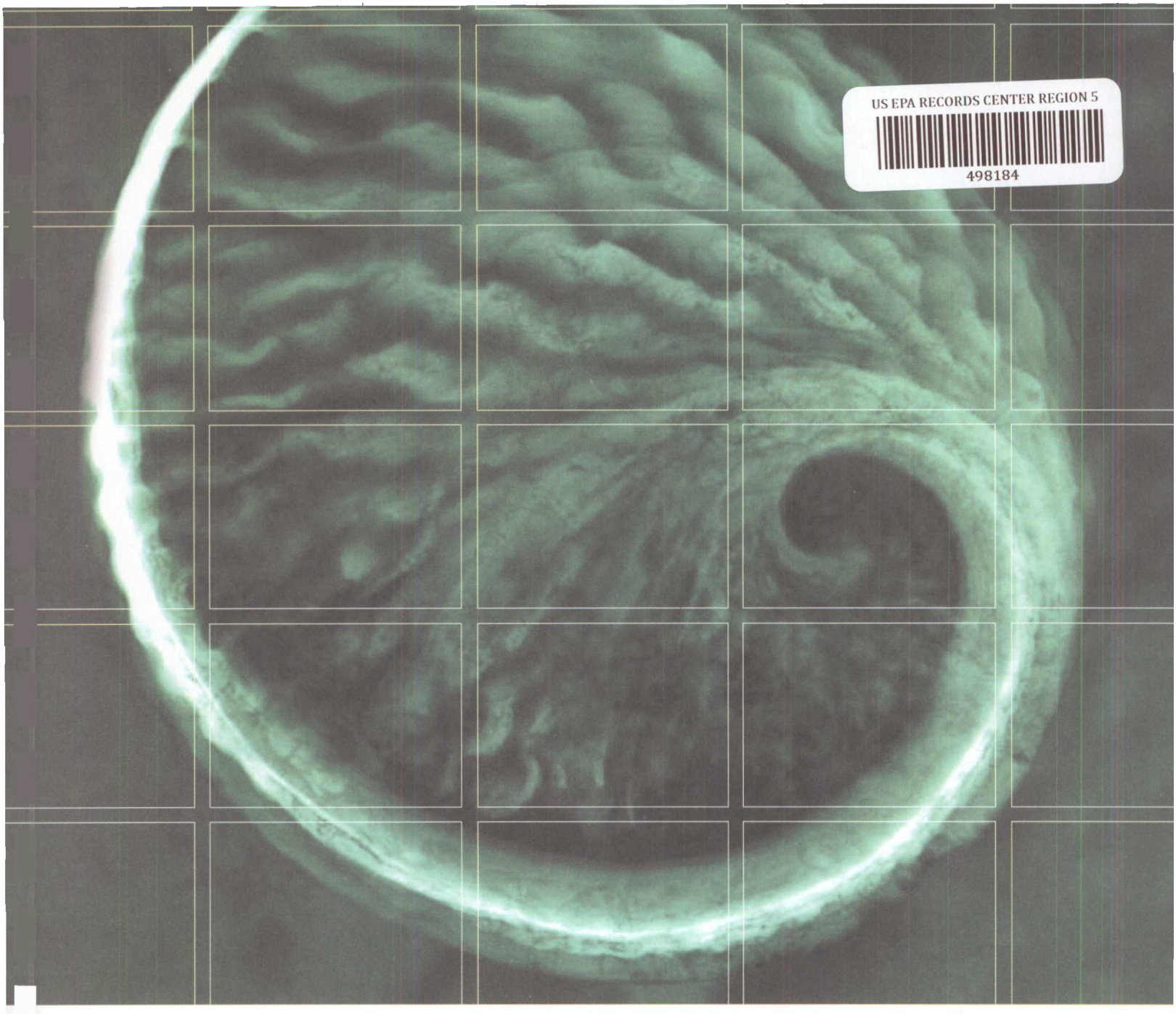

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498184

Operation and Monitoring Report – 2008

Greiner's Lagoon
Ballville Township, Ohio

January 2009

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FINAL REPORT

The Lubrizol Corporation

Operation and Monitoring Report 2008
Greiner's Lagoon
Ballville Township, Ohio

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ERM Project No. 0047810

Environmental Resources Management
30775 Bainbridge Road, Suite 180
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FINAL REPORT

The Lubrizol Corporation

Operation and Monitoring Report 2008
Greiner's Lagoon
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January 2009

ERM Project No. 0047810

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1.0 *OVERVIEW*

This report contains the 2008 Annual Operating Report for the Greiner's Lagoon Superfund Site (Site Id. # 0550) located in Ballville Township, Ohio (herein referred to as "Site"). The remedial action was completed in October 2005. The final inspection of the Site was conducted by Tom Williams of the United States Environmental Protection Agency (USEPA) and Ghassan Tafla of the Ohio Environmental Protection Agency (OEPA) on May 4, 2006. The Notice of Completion was issued by the USEPA on October 2, 2006. Normal maintenance was conducted at the site according to the requirements of Administrative Order on Consent (AOC) as described in the Operation and Maintenance (O&M) Plan approved by the USEPA (approved via e-mail on September 29, 2006 by Thomas Williams).

ERM subcontracted with Cutter-Green LLC located in Fremont, Ohio to assist with routine O&M activities at the Site in 2008. Since April of the 2007 calendar year, the Site was inspected at least once a quarter by either ERM personnel or ERM subcontractors. The general maintenance issues for the Site have been associated with erosion inspection and repair, vegetative growth, replacement of trees, and the addition of fertilizer for the grass and trees.

In addition to the routine O&M at the Site, the annual groundwater sampling event was conducted by ERM from November 17th through November 20th, 2008. Sampling was conducted in accordance with the USEPA approved Sampling and Analysis Plan and the Quality Assurance Project Plan.

2.0 *SITE DRAINAGE*

The storm water drainage system is designed to retain excess storm water and discharge to the off-site field tile at a controlled rate so that the downstream drainage (field tile and ditches) are not flooded; thereby allowing adjacent farm fields to drain into the area drainage system.

During the 2008 calendar year, standing water was observed in the drainage swale after large rain events, as designed. Regrading in the swale that occurred in 2006 has reduced the storm water retention time to an approximate two (2) day maximum in the wettest part of the drainage swale. Water that was evident in the swale on November 17th was completely drained by November 18th.

It is noted that no oil seeps were identified at the Site in 2008.

3.0 GROUNDWATER SAMPLING

As required by the AOC, both the USEPA and the Ohio EPA were notified on October 30, 2008 that groundwater sampling was scheduled to be conducted starting November 17, 2008. Ghassan Tafla of the Ohio EPA elected to visit the site and witness the sampling on November 17, 2008. Neither of the agencies requested that groundwater samples be split for analysis.

Sampling activities for the 2008 annual sampling event at the Site began on November 17th, 2008 and finished on November 20th, 2008. As part of the sampling activities, each of the 15 monitoring wells was inspected. The results of the inspections can be found on the respective field forms in Appendix D. Groundwater levels were recorded on November 17th in preparation for the actual sampling event and were also recorded on the field sampling forms at the time of sampling.

3.1 FIELD PROCEDURES

3.1.1 Initial Static Water Levels

Prior to the collection of any water samples, the static water level in each well was measured with an interface probe to detect any immiscible layers within each well. It is noted that none of the wells had detections of immiscible layers during the November 2008 sampling event. After the water level was determined for each well, the interface probe was rinsed thoroughly with DI water. The static water levels and total well depths were then entered on the field form for each well. Static water levels were used to determine well volumes. These groundwater measurements were also compared with historical groundwater measurements (Table 1).

The water levels in the shallow zone monitor wells adjacent or beneath the area that was remediated have dropped from November 2007 to November 2008 while the water levels in the monitor wells outside the site (in the cornfield to the east) have increased during this period. The water level change may be the result of increased evapotranspiration at the Site.

The direction of groundwater flow in the deep zone in November 2008 was to the southwest at a gradient of 0.001 ft/ft. The potentiometric surface for the deep zone (bedrock aquifer) is shown on Figure 3.

The groundwater flow direction in the shallow zone in November 2008 was toward the west at the time of the sampling event and is consistent with the prior year. The gradient is about 0.014 ft/ft and this flow is toward the mature trees to the west of the site and the Sandusky River, about ½ mile west and southwest. The potentiometric surface for the shallow zone is shown on Figure 4.

3.1.2 *Well Purging*

Once the water level and total well depth was measured in a well, the well volume was calculated. Each well was then purged of at least three times its calculated volume using a disposable polyethylene weighted bailer. During the purging of the well, measurements of the following parameters were recorded to determine stabilization of the well water:

- time;
- volume purged;
- pH;
- conductivity;
- temperature; and
- turbidity

The instruments used for the water quality parameter measurements were calibrated daily before sampling activities began. These calibrations and field parameter measurements can be found on the respective field forms enclosed as Appendix D.

Purge water from all the wells was collected in properly labeled 55-gallon drums, sealed, and stored on-site. The on-site storage is located within the secure portion of the site within the fence. The drums have been approved for disposal by PSC of Toledo, Ohio and are scheduled for pickup in January 2009.

3.1.3 *Sample Collection*

Once three well volumes were purged from a well, a decontaminated non-dedicated bladder pump was lowered into the well. The bladder pump was then used at each well to purge one additional gallon before water quality parameter readings were determined. Samples were taken with the bladder pump only after three consecutive, stable readings of all water quality parameters (within 10%) were achieved. Groundwater was collected from the sandpack interval portion of each well. The depths of

the pump placement in each well are recorded on the respective field forms (refer to Appendix D).

Once sampling activities were completed, the bladder pump was field stripped, decontaminated by a double wash rinse of distilled water and Alconox, and reassembled before sampling the next well. New polyethylene tubing was used to sample each well.

The decontamination rinsates were collected along with the purge water and contained in 55-gallon drums.

The following samples were collected at each well:

- (3) 40mL glass vials with hydrochloric acid (HCL) preservative for Volatile Organic Compounds (VOCs) method 8260B;

- (2) 1L glass amber bottles with no preservative for Semi-volatile organic Compounds (SVOCs) method 8270C; and

- (2) 1L plastic containers with nitric acid (HNO_3) preservative for Priority Pollutant Metals. One of the two sample containers for metals was filtered in the field using a 0.45 µm filter prior to acidification while the other was unfiltered.

Once the samples were collected, they were immediately sealed and placed into insulated coolers with wet ice. Before shipping, the coolers contained a properly signed chain of custody form. A custody seal was also affixed to the cooler before being taped and shipped to Test America Laboratories in North Canton, Ohio.

Duplicate samples were taken at MW-9 and MW-5. Equipment Blanks were collected on 11/19/08 before sampling and on 11/20/08 between MW-12 and MW-5. An MS/MSD sample was taken for the lab at MW-3.

3.2 *GROUNDWATER SAMPLE RESULTS*

The November 2008 sampling event provided the third round of data collected since the installation of the phytoremediation system. Previous sampling data collected in November of 1998 and in November 2006 and 2007 was compared to the 2008 data to evaluate the changes in Site specific groundwater parameters. Monitoring well MW-15 was installed in 2006 and therefore the November 2006 and November 2007 sampling data is the only data available for this well. Groundwater sample results for the November 2008 sampling event are presented in Table 2.

VOCs

During the 1998 sampling round, ten VOCs were identified as target parameters for the Site:

- acetone,
- benzene,
- 2-butanone (MEK),
- chlorobenzene,
- 1,1-dichloroethene,
- ethylbenzene,
- 4-methyl-2-pentanone (MIBK),
- toluene,
- trichloroethene, and
- total xylenes.

With the exception of the results described below, there were no significant changes in the target VOC constituent concentrations.

In well MW-5, only acetone and MIBK varied significantly between the three rounds of sampling. In 2006, these constituents were noted to increase from the 1998 sampling. However, during this round of sampling at MW- 5, the analytical results for both acetone and MIBK significantly decreased from 2006 to 2007 and are about the same in 2008 as in 2007. All sample detections are summarized on Tables 3, 4, and 5 along with the Exposure Point Concentration (EPC) for each detected parameter used to develop the risk assessment. None of the 2008 groundwater target VOC sample results exceeded the risk assessment EPC ceiling values.

It is noted that the 2008 sampling did not identify any additional VOCs of concern beyond the initial ten target parameters. Some additional VOCs were identified in small quantities; however, these constituents were also detected in the method blank and are therefore considered lab contaminants rather than field detections. These detections are labeled with a "B" or a "J" qualifier in the lab reports and data tables. It is also noted that a more comprehensive analysis of the VOC constituents will be made once more data is collected from subsequent rounds of groundwater sampling.

SVOCs

Nineteen target SVOCs were identified at the Site during the initial sampling round. Of these nineteen target SVOCs, all constituents either had no significant change, or showed a significant decrease when compared to the previous rounds of data. Only Phenol was detected in MW-5 slightly above the detection limit (27 ug/l), which is significantly below the EPC of 320.000 ug/l. No other SVOCs were detected above the detection limit that were not noted with a qualifier (i.e. constituents were detected in the method blank and are considered a lab contaminant and not field detections). Based upon the comparison to the previous sampling events, it appears that the SVOC concentration in the groundwater at the Site has continued to significantly decrease from historical levels.

Metals

Numerous low levels of metals were detected in the groundwater at the Site during the initial sampling round, which included arsenic, lead, nickel, and zinc. All of these metals are naturally occurring and therefore low levels are reflective of background conditions at the Site. With the exception of antimony in MW-5 and arsenic in MW-7, the recent round of sampling indicated total metal concentrations at the Site either significantly decreased or remained about the same as the previous rounds of sampling. Arsenic and antimony levels decreased slightly from the 2007 levels but exceed the EPCs for these components. They are common components of various pesticides, herbicides and insecticides and are commonly found in soil at low level concentrations.

Dissolved antimony was detected in MW-5 at a concentration of 0.0914 mg/l, which exceeds the exposure point concentration (EPC) of 0.0185 mg/l, and in MW-7 at a concentration of 0.007 mg/ which is significantly below the EPC. Additionally, dissolved arsenic was detected in MW-5 at

a concentration of 0.0335 mg/l, significantly below the EPC of 0.143 mg/l and in MW-7 at a concentration of 0.192 mg/l, which exceeds the EPC.

During this November 2008 round of groundwater sampling, total (unfiltered) and dissolved (filtered) metal samples were collected. Dissolved metal samples had not been collected in the 1998 sampling round but were collected during the 2006, 2007, and 2008 sampling events. There were no significant differences between the filtered (dissolved) and unfiltered (total) metal sample results.

Sampling Conclusion

Based upon the sample data, it appears at this time that no significant increases of VOC or SVOC concentrations have occurred at the Site. Some minor fluctuations were observed in various VOC and SVOC constituents; however, most of the data appears to reflect improving groundwater quality at the Site.

The arsenic and antimony results for MW-5 and MW-7 may be related to the reduced groundwater levels and subsequent concentration of metals in the groundwater directly beneath the phytoremediation zone. Over time and with the collection of subsequent groundwater sampling data, long term trend will become evident as groundwater quality will be further analyzed. It is noted that none of the detected constituents in the off-Site wells exceeded their corresponding EPCs.

4.0 *INSPECTION AND MAINTENANCE ACTIVITIES*

Maintenance activities at the site included cutting of grass, occasional application of fertilizer, and watering as needed. Following the winter of 2007-2008, normal maintenance activities commenced on March 31, 2008. To ensure normal operation and report any required maintenance, Site inspections were performed quarterly. Site inspections were conducted by John Courtright of Cutter-Green (landscape subcontractor) and/or by ERM personnel. The integrity of the phytoremediation cap, vitality of the trees, and condition of the fence were noted.

Ecolotree, Inc. provided the poplar and willow trees used for the phytoremediation buffer in 2006. For consistency, ERM has labeled the Site Plan (see Figure 2) with the zone references made by Cutter-Green and Ecolotree which are referenced throughout this report (see also Appendix A). Cutter-Green divides the Site into three basic areas: Zone A, Zone B, and Zone C.

- Zone A is located in the northern portion of the Site and includes the northern top of the slope, the north and west gates, the culvert inlet and outlet, and the tile inlet.

- Zone B is located in the central portion of the Site and includes the southern half of the top of the slope and ends approximately at the southern toe of the slope.

- Zone C is located at the southernmost portion of the Site and is generally referred to as the timber area in the Cutter-Green descriptions.

4.1 *SITE INSPECTIONS*

As stated in the Site O&M Manual, site inspections are to occur quarterly for the years two through five following completion of the remedy. A summary of the site inspections and maintenance conducted for the 2008 calendar year is provided below. Copies of the inspection reports are included in Appendix A.

Winter 2008

An ERM employee was on-Site on March 31, 2008. The site was very moist due to recent rainfall and snowmelt over the past few weeks. There was water evident in the perimeter ditch due to recent rainfall and snowmelt. The culvert near the northeast side of the closed area was clogged with grass, sticks and other organic matter. This prevented water to flow to the drain outside the fence east of the site. The drain was opened and water began to depart from the area. The remainder of the pipes and ditches were clear.

The trees in the area looked healthy with the possible exception of a few that may have been damaged over the winter. The trees were still dormant due to the extended low temperatures experienced during the month of March and will be reevaluated in the spring. The grass cover on the cap was in good condition aside from a few spots of dead grass that were noted on the map. Slight erosion (slumping/rills) was evident in the south and east sections of the cap. Additional application of sulfur containing fertilizer (approximately 1,400 lbs.) is planned to begin in April to lower the pH of the soil from about 8.5 to 7 to promote healthy grass growth.

ERM observed evidence of small animal burrows on the top of the eastern slope of the cap. There was a small breach in the fence that allowed access to the cap area. The breach was blocked to prevent further access. Additional repairs are planned for April to provide a solution to this breach and the burrows on the cap

Spring 2008

ERM visited the site on May 16, 2008 and on June 20, 2008. In May 2008, standing water was observed on the east, south, and west sides of the cap. There was evidence of minor erosion rills and a tree had fallen on the western fence. The animal burrows were still evident.

In June, the site was very moist due to recent rainfall and snowmelt over the past few weeks. There was water evident in the perimeter ditch due to recent rainfall. The culvert near the northeast side of the closed area was open and flowing off-site.

The trees in the area looked healthy, however one tree on the north side was broken and needed to be replaced. The grass cover on the cap was in good condition. The grass had been cut within the past week and had

grown about 4" within this period. Approximately 1,000 lbs of sulfur containing fertilizer was applied during this period.

No animal burrows were observed at this time.

Summer 2008

The Greiner's Lagoon third quarter site inspection was conducted on September 30, 2008.

The site was very dry. There was no standing water observed in the drainage ditches surrounding the cap. The culvert appears to be draining to the catch basin in the field to the east of the site, which had limited standing water in it and did not appear to have a visible backup.

Most of the trees in the area looked healthy. The grass cover on the cap was in good condition with length about 18 inches. The erosion areas seemed limited and minimal. Additional application of approximately 1,000 lbs of sulfur containing fertilizer was applied during this period.

Three tires at separate locations onsite have become exposed. One of these tires appears to be completely exposed and can be removed easily. ERM will work with Cutter Green to coordinate the removal of these tires.

Fall 2008

The Greiner's Lagoon fourth quarter site inspection was conducted on November 17, 2008 in conjunction with the annual sampling event. The sampling forms serve as the inspection reports for this event.

Standing water was observed in the collection ditch on the east side of the site as rainfall had occurred the day before the inspection. In addition, it was noted that some sticks and branches had become stuck in the culvert pipe, retarding the flow. These were removed and the water had completely drained from the site by the next day.

Most of the trees in the area looked healthy. The grass cover on the cap was in good condition with length about 18 inches. Cutter-Green had cut the grass on the site about one week earlier in preparation for the sampling event. The grass was in good condition and had continued to fill in the area with a thick carpet.

4.2 *TREE REPLACEMENT*

The trees around Greiner's Lagoon were inspected at the end of the 2008 growing season and it was determined that some trees were dead and needed to be replaced. The trees do not have a 100% anticipated survival rate, and routine O&M operations were anticipated during the 2008 growing season and will continue in the 2009 calendar year pursuant to the approved O&M Manual. At this time, it appears that the maintenance activities have been successful for the 2008 calendar year.

5.0 *CONCLUSIONS*

This report summarizes the operating activities at Greiner's Lagoon Superfund Site (Site Id. # 0550) located in Ballville Township (Site) in the 2008 calendar year. Site activities were conducted according to the USEPA approved O&M Plan and consisted generally of groundwater sampling, landscaping and drainage maintenance.

The annual groundwater sampling event was conducted by ERM during the period November 17-20, 2008. Sampling was conducted in accordance with the USEPA approved Sampling and Analysis Plan and the Quality Assurance Project Plan. In general, reported VOC and SVOC concentrations remained the same or slightly decreased in comparison to the previous rounds of sampling. With the collection of additional data from subsequent sampling rounds, a more in-depth analysis of the Site groundwater will be completed.

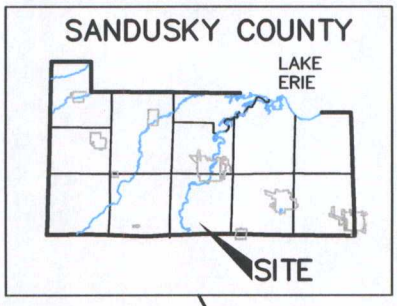
ERM contracted Cutter-Green LLC located in Fremont, Ohio to assist with routine O&M activities at the Site in 2008. The Site was inspected by either ERM personnel or ERM subcontractors throughout the 2008 calendar year in accordance with the O&M Manual for the Site. The general maintenance issues for the Site have been associated with erosion inspection and repair, vegetative growth, replacement of trees, and the addition of fertilizer for the grass and trees.

Site inspections were conducted at Greiner's Lagoon between March 31, 2008 and November 20, 2008 by Cutter-Green and/or ERM. The Inspection Logs indicated normal activities at the Site (i.e. typical seasonal changes with trees and grass) and did not indicate any major problems at the Site. On the Inspection Logs, Cutter-Green generally indicated Site work that was conducted or that needed to be conducted. Most work items were general maintenance issues, which included fertilizing, grass mowing, weeding, and pruning and replacing trees.

Most of the trees in each zone have survived the 2008 growing season. During the 2009 growing season, attention will be paid to the trees in each zone and corrective actions will be taken as soon as a problem becomes evident. However, given that the dead trees were replaced, that trees do not have a 100% survival rate, and that routine O&M operations will continue in the 2009 calendar year pursuant to the approved O&M Manual, it appears that Site maintenance activities have been successful for the 2008 calendar year.

Figures

OHIO



SECTION 33
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BALLVILLE TOWNSHIP
SANDUSKY COUNTY
FREMONT, OHIO

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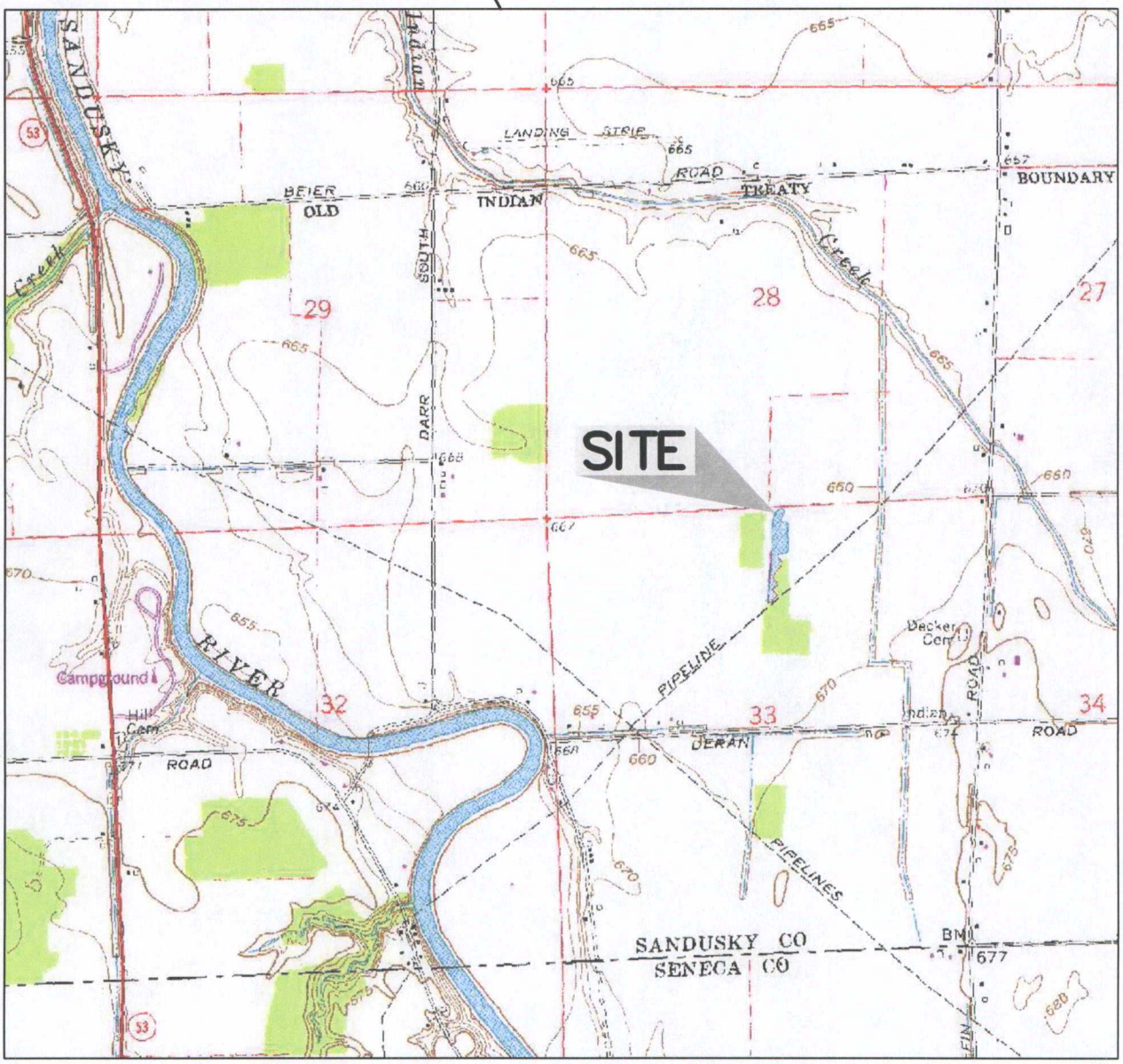

SITE LOCATION MAP

ADAPTED FROM USGS
FREMONT WEST/1980

REVISIONS ARE TO BE MADE ON THE CADD FILE ONLY

ERM.	**LUBRIZOL** GREINER'S LAGOON SITE FREMONT, OHIO	CADD Review CHK'D 0004100
Drawn By FAK 5/20/05	Environmental Resources Management	FIGURE 1

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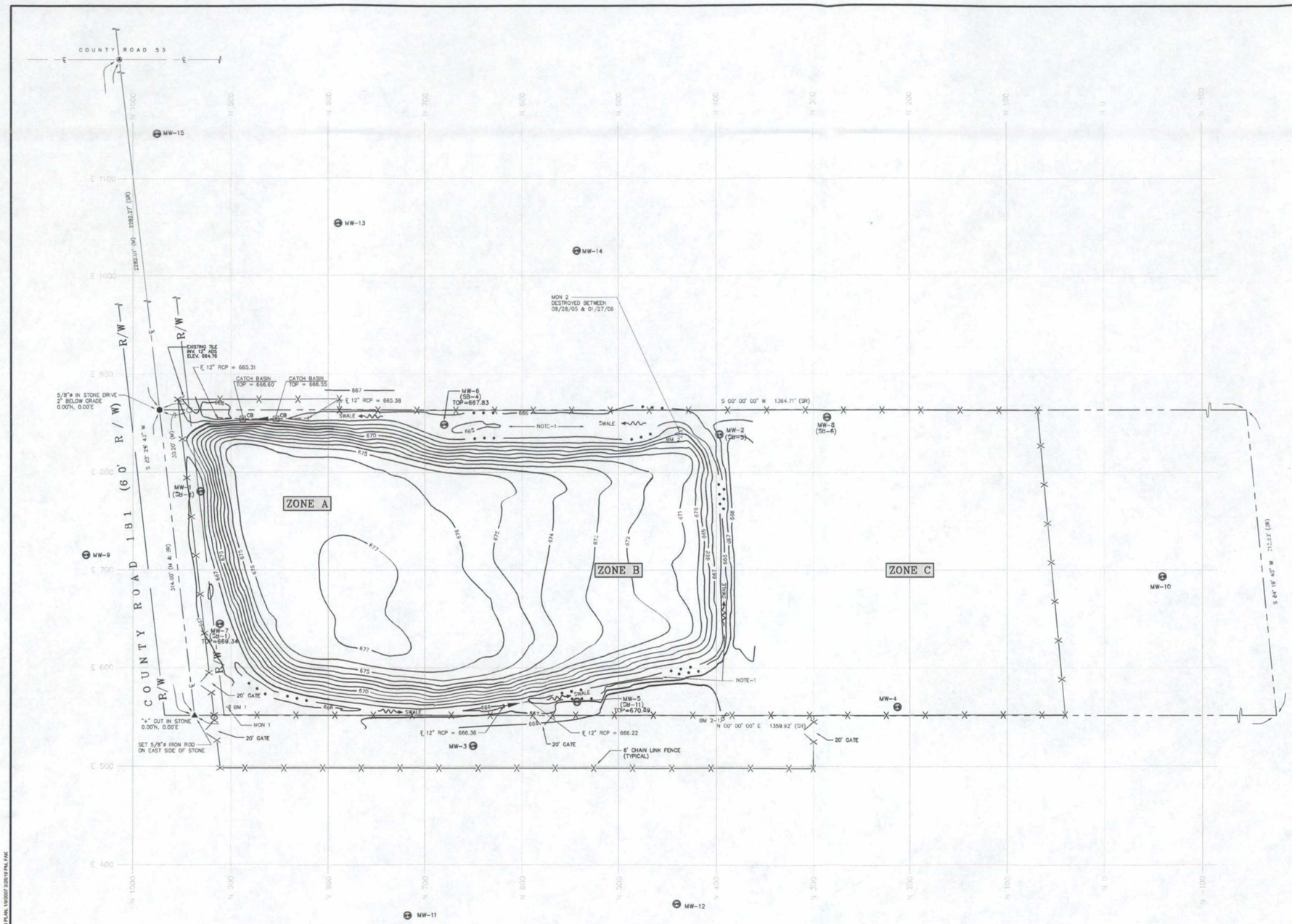


N
(ASSUMED)

1" = 50'
SCALE
0 50 100 150
FEET

LEGEND

DESCRIPTION	SYMBOL
CENTER LINE/BASELINE	℄ ℄
RIGHT-OF-WAY LINE	R/W R/W
PROPERTY LINE	
SECTION LINE	
EDGE OF PAVEMENT	E/P E/P
DRIVE OR SIDEWALK	
FENCE LINE (SPECIFY TYPE)	X X
CATCH BASIN, YARD BASIN	CB YB
SURFACE WATER DIRECTION	
CONTOUR LINE	676
POWER POLE (W/ GUY WIRE)	
TELEPHONE POLE	
PIPELINE MARKER POST	
STREAM OR DITCH	
MONITORING WELL	

SURVEY LEGEND

SET	FOUND	DESCRIPTION
		MONUMENT
		RAILROAD SPIKE
		P.K. NAIL
		IRON PIPE
		DRILL HOLE
		5/8"ø x 30" IRON ROD
		IRON ROD
		FENCE POST
		STONE
		MONUMENT BOX
	D	DEED
	P	PLAT
	M	MEASURED
	C	CALCULATED
	ø	OUTSIDE DIAMETER
	SR	SURVEY RECORD

I HEREBY DECLARE THAT THE ABOVE TOPOGRAPHICAL SURVEY WAS PERFORMED SEPTEMBER, 2005 & JANUARY, 2006 ALL OBJECTS LOCATED AND ELEVATIONS SHOWN ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THIS DOCUMENT WAS ORIGINALLY ISSUED BY JOHN M. MUSTERIC, 09-28-2005, AND WAS REVISED ON 02-16-2006. THIS DOCUMENT IS NOT CONSIDERED A SEALED DOCUMENT.

JOHN M. MUSTERIC , P.S. NO. 7629 DATE

NOTES:

1.) THE SWALE FROM THE SOUTH END OF THE WEST CULVERT TO THE SOUTH END OF OF THE EAST CULVERT HAS BEEN REWORKED SINCE SEPTEMBER 28, 2005. THIS DRAWING DOES NOT REFLECT THIS CHANGE.

2.) THE SIX FOOT CHAIN LINK FENCE ENCROACHES ONTO:
A.) COUNTY ROAD 181 RIGHT-OF-WAY.
B.) PRIVATE PROPERTY TO THE EAST.
C.) PRIVATE PROPERTY TO THE WEST.

3.) BENCH MARK 2/MONUMENT 2 WAS DESTROYED BETWEEN SEPTEMBER 28, 2005 AND JANUARY 27, 2006.

Prepared by:

J. MUSTERIC & ASSOCIATES
CONSULTING ENGINEERS and SURVEYORS
303 SOUTH ARCH STREET FREMONT, OHIO 43420 419-355-8214

REVISIONS TO BE MADE ON THE CADD FILE ONLY

Rev.	Date	Description	By	Chk
2	1/8/07	ADDED PERIMETER MONITORING WELLS	ERM	WS
1	2/20/06	REVISED TO CONFORM WITH CONSTRUCTION RECORDS	ERM	JJ-CLE

DRAWN BY FAK CADD Review CHECKED BY JJ

Environmental Resources Management

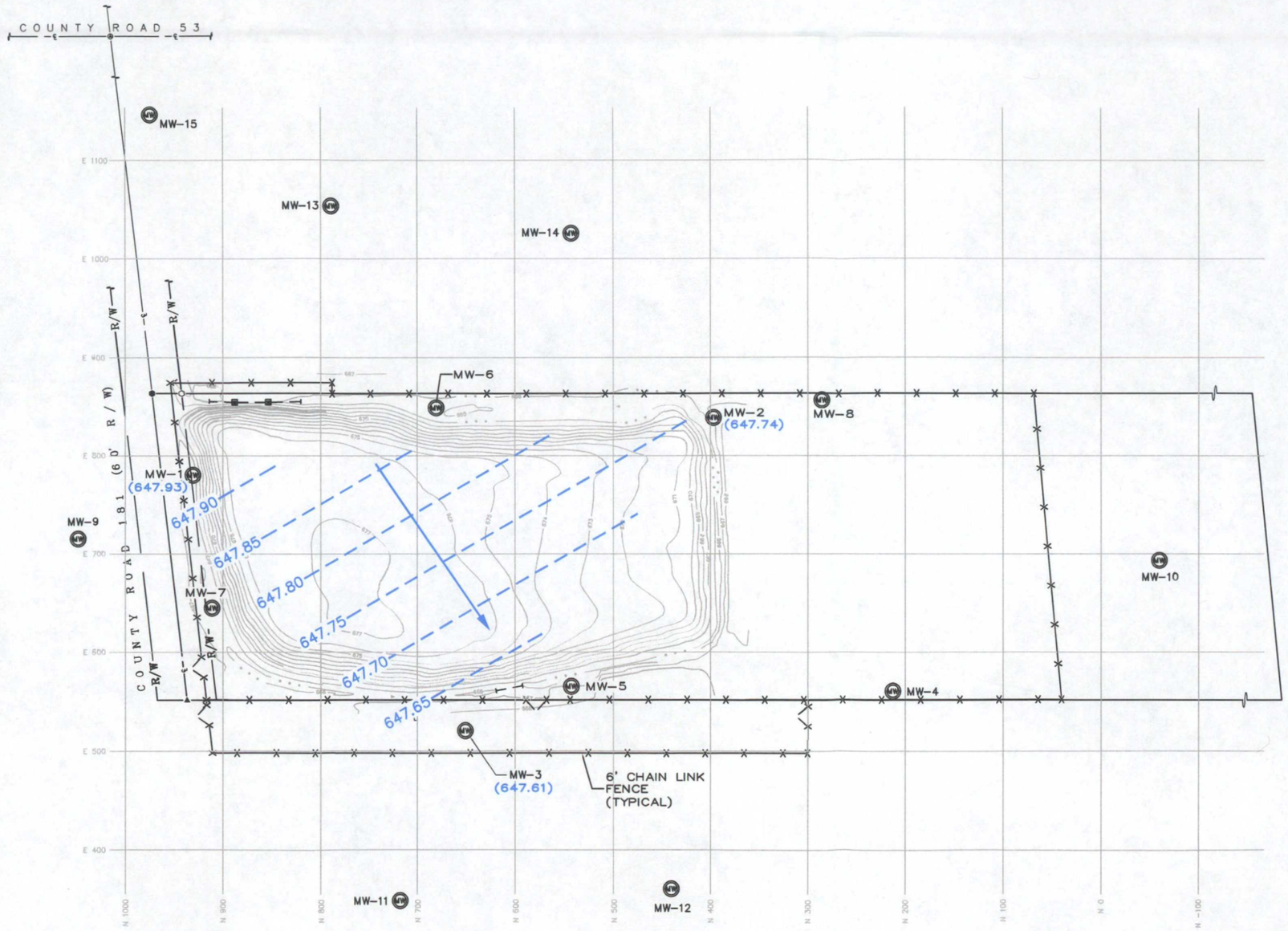
ERM

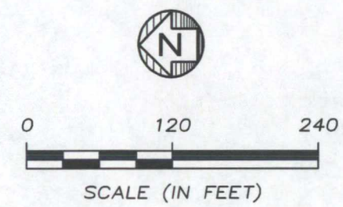
LUBRIZOL
CONSTRUCTION RECORD DRAWINGS
GREINER'S LAGOON SITE
FREMONT, OHIO

FINAL GRADING PLAN WITH DRAINAGE

SCALE	PROJECT NUMBER	SHEET	REV.
1"=40'	0004100	FIGURE 2	2
DATE 03/02/2005			

NOVEMBER 2008 POTENTIOMETRIC CONTOUR MAP – BEDROCK AQUIFER





LEGEND

- MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (FT.)
- GROUNDWATER FLOW DIRECTION
- (647.74) GROUNDWATER ELEVATION

NOTE
GROUNDWATER LEVELS WERE MEASURED ON 11/17/2008

Drawn By FAK	ERM	LUBRIZOL GREINER'S LAGOON SITE FREMONT, OHIO	CHK'D JJ
CADD Review RMK			0047810
Date Drawn/Rev'd 12/15/08		Environmental Resources Management	FIGURE 3

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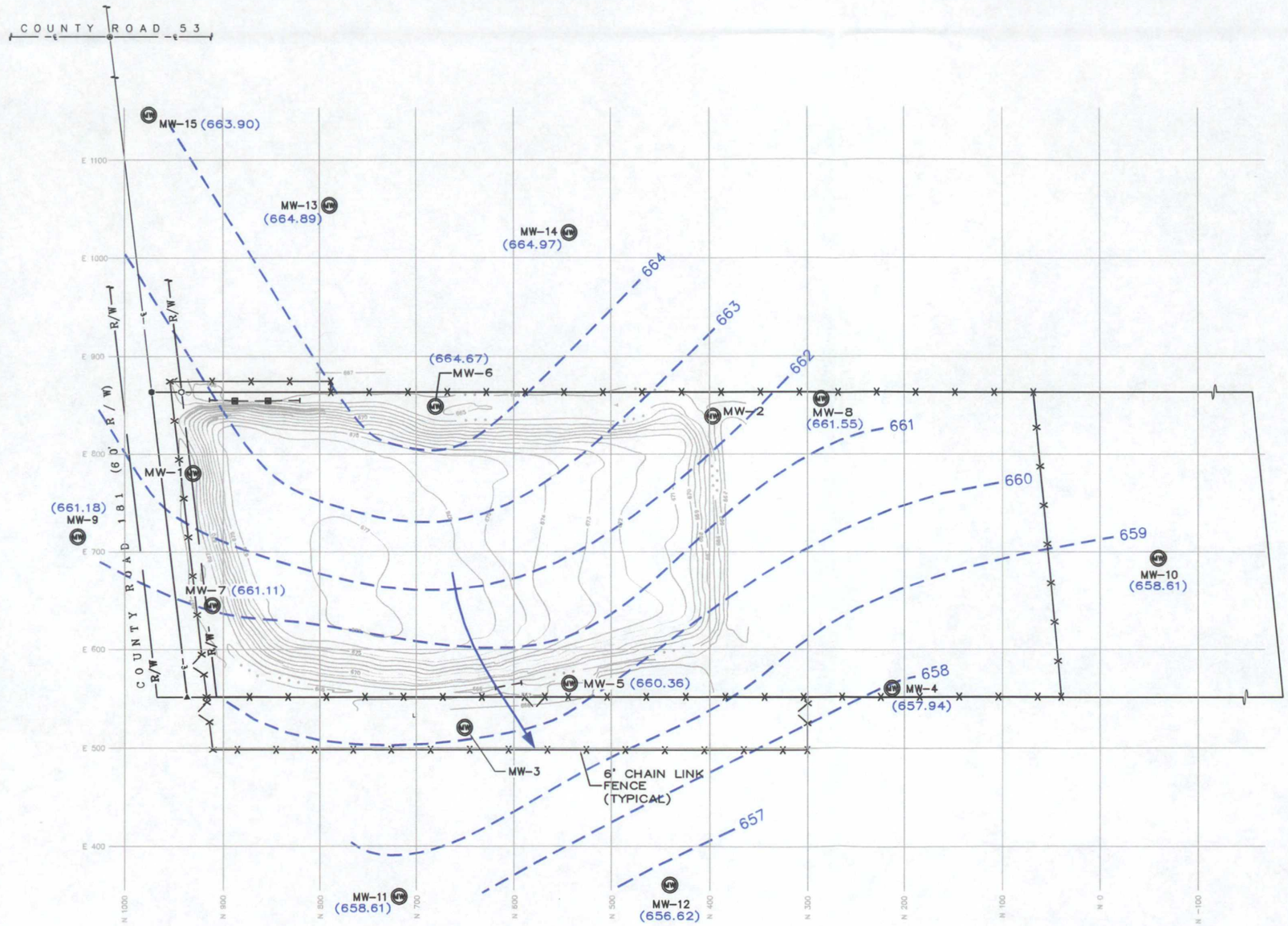
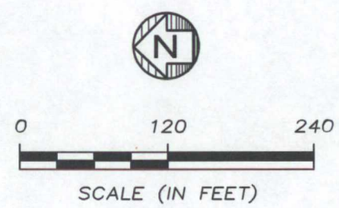
NOVEMBER 2008 POTENTIOMETRIC CONTOUR MAP SHALLOW SATURATED ZONE





LEGEND

- MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (FT.)
- GROUNDWATER FLOW DIRECTION
- (661.11) GROUNDWATER ELEVATION

NOTE
GROUNDWATER LEVELS WERE MEASURED ON 11/17/2008

Drawn By FAK	ERM®	**LUBRIZOL** GREINER'S LAGOON SITE FREMONT, OHIO	CHK'D JJ
CADD Review RMK			0047810
Date Drawn/Rev'd 12/15/08		Environmental Resources Management	FIGURE 4

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Tables

Table 1
Greiners Lagoon
Historical Groundwater Elevations

Date		Jul-96		11/10/1998		1/27/1999		4/28/1999		11/8/2006		11/12/2007		11/17/2008	
Well ID	T.O.C.	DTW	GW ELV	DTW	GW ELV	DTW	GW ELV	DTW	GW ELV	DTW	GW ELV	DTW	GW ELV	DTW	GW ELV
MW-1	668.13	19.66	648.47	19.29	648.84	18.27	649.86	16.55	651.58	18.05	650.08	18.77	649.36	20.20	647.93
MW-2	669.88	21.14	648.74	20.88	649.00	20.02	649.86	18.30	651.58	19.51	650.37	20.76	649.12	22.14	647.74
MW-3	669.22	20.47	648.75	20.31	648.91	19.34	649.88	17.60	651.62	18.98	650.24	20.22	649.00	21.61	647.61
MW-4	667.51	3.75	663.76	7.29	660.22	2.17	665.34	1.50	666.01	4.68	662.83	5.57	661.94	9.57	657.94
MW-5	668.56	4.69	663.87	6.37	662.19	4.05	664.51	2.44	666.12	7.78	660.78	8.09	660.47	8.20	660.36
MW-6	667.45	3.42	664.03	4.38	663.07	1.26	666.19	0.92	666.53	3.22	664.23	4.02	663.43	2.78	664.67
MW-7	668.09	4.45	663.64	5.60	662.49	2.72	665.37	2.65	665.44	4.22	663.87	6.36	661.73	6.98	661.11
MW-8	667.17	3.31	663.86	4.73	662.44	0.83	666.34	0.72	666.45	0.96	666.21	4.40	662.77	5.62	661.55
MW-9	669.13	-	-	6.84	662.29	4.90	664.23	5.90	663.23	5.35	663.78	6.57	662.56	7.95	661.18
MW-10	670.82	-	-	10.23	660.59	7.62	663.20	3.75	667.07	9.25	661.57	9.01	661.81	12.21	658.61
MW-11	669.45	-	-	9.78	659.67	8.77	660.68	3.60	665.85	9.05	660.40	8.70	660.75	10.84	658.61
MW-12	669.89	-	-	11.88	658.01	10.80	659.09	3.60	666.29	10.95	658.94	10.05	659.84	13.27	656.62
MW-13	669.80	-	-	6.99	662.81	3.61	666.19	4.48	665.32	5.31	664.49	6.51	663.29	4.91	664.89
MW-14	669.70	-	-	6.78	662.92	3.55	666.15	4.31	665.39	4.91	664.79	6.45	663.25	4.73	664.97
MW-15	669.31	-	-	-	-	-	-	-	-	5.30	664.01	6.01	663.30	5.41	663.90

Table 2
Greiner's Lagoon
Groundwater Data
Nov-08

Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-5 DUP	MW-6	MW-7	MW-8	MW-9	MW-9 DUP	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	Equipment Blank II
Date:	11/19/2008	11/20/2008	11/19/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/18/2008	11/18/2008	11/18/2008	11/20/2008
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		Water	Water	Water	Water	Water	Water	Water
Parameter																		
VOCs (ug/L)																		
1,1,1,2-Tetrachloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1,1-Trichloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1,2,2-Tetrachloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1,2-Trichloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2,3-Trichloropropane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	< 20	< 2.0	< 20	< 2.0	< 10	< 10	< 4	< 10	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
1,2-Dibromoethane (EDB)	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dichloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dichloropropane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Dioxane	< 200	< 200	< 200	< 200	< 1000	< 1000	< 400	< 1000	< 400	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
2-Butanone (MEK)	< 100	< 10	< 100	J **0.57**	J **32**	J **30**	J **2.3**	J **3.6**	< 20	< 100	< 100	< 100	J **3.1**	< 100	< 100	< 100	< 100	< 100
2-Hexanone	< *100*	< 10	< *100*	< 10	< 50	< 50	< 20	< *50*	< 20	< *100*	< *100*	< *100*	< *100*	< *100*	< *100*	< *100*	< *100*	< *100*
4-Methyl-2-pentanone (MIBK)	< 100	< 10	J **1**	J **0.46**	**170**	**170**	< 20	J **2.7**	< 20	< 100	< 100	J **0.36**	J **4.6**	< 100	J **0.54**	< 100	< 100	< 100
Acetone	< 10	< 10	J **4.8**	J **3.4**	**130**	**120**	J **18**	J **12**	J **6.9**	J **18**	J **23**	*J, B* **6.3**	**37**	J **8.7**	*J, B* **7.6**	*J, B* **1.4**	< 10	< 10
Acetonitrile	< 200	< 20	< 200	< 20	< 100	< 100	< 40	< 100	< 40	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Acrolein	< 200	< 20	< 200	< 20	< 100	< 100	< 40	< 100	< 40	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Acrylonitrile	< 200	< 20	< 200	< 20	< 100	< 100	< 40	< 100	< 40	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Allyl chloride	< 20	< 2.0	< 20	< 2.0	< 10	< 10	< 4	< 10	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 10	< 1.0	< 10	< 1.0	**11**	**11**	< 2	**5.7**	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromodichloromethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromoform	< 10	< 1.0	< 10	< 1.0	< *5*	< *5*	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromomethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Carbon disulfide	< 10	< 1.0	< 10	< 1.0	< 5	J **1.7**	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Carbon tetrachloride	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorobenzene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloromethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroprene	< 20	< 1.0	< 20	< 1.0	< 10	< 10	< 4	< 10	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
cis-1,3-Dichloropropene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromochloromethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromomethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethyl methacrylate	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	< 10	< 1.0	< 10	< 1.0	J **3.8**	J **4.0**	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutyl alcohol	< 500	< 50	< 500	< 50	< 250	< 250	< 100	< 250	< 100	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	*J, B* **43**
Methacrylonitrile	< 20	< 2.0	< 20	< 2.0	< *10*	< *10*	< 4	< *10*	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Methyl methacrylate	< 20	< 2.0	< 20	< 2.0	< 10	< 10	< 4	< 10	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Methylene chloride	< 1	< 1.0	< 1	< 1.0	< 5	< 5	< 2	< 5	< 2	*18*	*10*	< 1	*2.6*	*2.2*	< 1	< 1	< 1	< 1
Propionitrile	< 40	< 4.0	< 40	< 4.0	< 20	< 20	< 8	< 20	< 8	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40
Styrene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Toluene	< 10	< 1.0	< 10	< 1.0	**13**	**15**	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,2-Dichloroethene	< 10	< 1.0	< 10	< 1.0	< *5*	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,3-Dichloropropene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichloroethene	< 10	< 1.0	< 10	< 1.0	J **4.1**	J **4.6**	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl acetate	< 20	< 2.0	< 20	< 2.0	< 10	< 10	< 4	< 10	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Vinyl chloride	< 10	< 1.0	< 10	< 1.0	< 5	< 5	< 2	< 5	< 2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Xylenes (total)	< 20	< 2.0	< 20	< 2.0	J **9.3**	J **11**	< 4	< 10	< 4	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

Table 2
Greiner's Lagoon
Groundwater Data
Nov-08

Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-5 DUP	MW-6	MW-7	MW-8	MW-9	MW-9 DUP	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	Equipment Blank II
Date:	11/19/2008	11/20/2008	11/19/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/18/2008	11/18/2008	11/18/2008	11/20/2008
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		Water	Water	Water	Water	Water	Water	Water
SVOCs (ug/L)																		
Acenaphthene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Acenaphthylene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Anthracene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Benzo(a)anthracene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Benzo(a)pyrene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Benzo(b)fluoranthene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Benzo(ghi)perylene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
bis(2-Chloroethoxy)methane	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
bis(2-Chloroethyl) ether	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
bis(2-Ethylhexyl) phthalate	*J, B* **1.3**	< **2.5**	*J* **1.2**	< 8.0	< 40	< 40	< 2	< 10	< 10	< 40	< 40	< 10	< 40	*J, B* **4.5**	< 10	< 10	< 2	< 2
4-Bromophenyl phenyl ether	< 2	< 2	< 2	< 8.0	< 40	< 40	< 2	< 8	< 10	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
Butyl benzyl phthalate	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Carbazole	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
4-Chloroaniline	< 2	< 2	< 2	< 8.0	< 40	< 40	< 2	< 8	< 10	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
4-Chloro-3-methylphenol	< 1	< 1	< 1	< 4.0	< 40	< 40	< 2	< 8	< 10	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2-Chloronaphthalene	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2-Chlorophenol	< 2	< 2	< 2	< 8.0	< 20	< 20	< 1	< 4	< 5	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
4-Chlorophenyl phenyl ether	< 2	< 2	< 2	< 8.0	< 40	< 40	< 2	< 8	< 10	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
Chrysene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Dibenz(a,h)anthracene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Dibenzofuran	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
3,3-Dichlorobenzidine	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
2,4-Dichlorophenol	< 2	< 2	< 2	< 8.0	< 40	< 40	< 2	< 8	< 10	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
Diethyl phthalate	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2,4-Dimethylphenol	< 2	< 2	< 2	< 8.0	< 40	J **16**	< 2	< 8	< 10	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
Dimethyl phthalate	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2,4-Dinitrophenol	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
2,4-Dinitrotoluene	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
2,6-Dinitrotoluene	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
4,6-Dinitro-2-methylphenol	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
Di-n-butyl phthalate	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Di-n-octyl phthalate	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Fluoranthene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 1	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Fluorene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Hexachlorobenzene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Hexachlorobutadiene	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Hexachlorocyclopentadiene	< 10	< 10	< 10	< 40	< 200	< 200	< 10	< 40	< 50	< 200	< 200	< 50	< 200	< 40	< 50	< 50	< 10	< 10
Hexachloroethane	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Indeno(1,2,3-cd)pyrene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Isophorone	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2-Methylphenol	< 0.2	< 0.2	< 0.2	< 0.8	< 20	< 20	< 1	< 4	< 5	< 4	< 4	< 1	< 4	< 0.8	< 1	< 1	< 0.2	< 0.2
4-Methylphenol	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2-Methylnaphthalene	< 1.0	< 1	< 1.0	< 4.0	< 4	< 4	< 0.20	< 0.8	< 1	< 20.0	< 20.0	< 5.0	< 20.0	< 4.0	< 5.0	< 5.0	< 1.0	< 1
Naphthalene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Nitrobenzene	< 2	< 2	< 2	< 8.0	< 20	< 20	< 1	< 4	< 5	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
N-Nitrosodi-n-propylamine	< 2	< 2	< 2	< 8.0	< 20	< 20	< 1	< 4	< 5	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
N-Nitrosodiphenylamine	< 2	< 2	< 2	< 8.0	< 20	< 20	< 1	< 4	< 5	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
2-Nitroaniline	< 1	< 1	< 1	< 4.0	< 40	< 40	< 2	< 8	< 10	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
3-Nitroaniline	< 2	< 2	< 2	< 8.0	< 40	< 40	< 2	< 8	< 10	< 40	< 40	< 10	< 40	< 8	< 10	< 10	< 2	< 2
4-Nitroaniline	< 5	< 5	< 5	< 20	< 40	< 40	< 2	< 8	< 10	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
2-Nitrophenol	< 1	< 1	< 1	< 4.0	< 40	< 40	< 2	< 8	< 10	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
4-Nitrophenol	< 1	< 1	< 1	< 4.0	< 100	< 100	< 5	< 20	< 25	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2,2'-Oxybis(1-Chloropropane)	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Pentachlorophenol	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
Phenanthrene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
Phenol	< 1	< 1	< 1	< 4.0	**27**	**20**	< 1	J **3.8**	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
Pyrene	< 0.2	< 0.2	< 0.2	< 0.8	< 4	< 4	< 0.20	< 0.8	< 1	< 4.0	< 4.0	< 1.0	< 4.0	< 0.8	< 1.0	< 1.0	< 0.2	< 0.2
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 4.0	< 20	< 20	< 1	< 4	< 5	< 20	< 20	< 5	< 20	< 4	< 5	< 5	< 1	< 1
2,4,5-Trichlorophenol	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 20	< 100	< 100	< 5	< 20	< 25	< 100	< 100	< 25	< 100	< 20	< 25	< 25	< 5	< 5

Table 2
Greiner's Lagoon
Groundwater Data
Nov-08

Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-5 DUP	MW-6	MW-7	MW-8	MW-9	MW-9 DUP	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	Equipment Blank II
Date:	11/19/2008	11/20/2008	11/19/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/20/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/19/2008	11/18/2008	11/18/2008	11/18/2008	11/20/2008
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		Water	Water	Water	Water	Water	Water	Water
Metals (ug/L)																		
Antimony	< 60.0	B 2.5	< 60.0	< 60.0	B 16.7	63.9	B 6.5	B 8.1	B 6.7	< 60.0	B, J 5.2	< 60.0	B, J 3.2	< 60.0	< 60.0	< 60.0	< 60.0	B 2.3
Arsenic	< 10.0	B 3.5	< 10.0	< 10.0	44.3	21	20.4	195	11.9	18.4	16.5	< 10.0	B 5.2	< 10.0	< 4.9	< 10.0	< 10.0	< 10.0
Beryllium	B, J 1.1	< 5.0	< 5.0	< 5.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	B, J 1.1	B, J 1.1	< 5.0	B, J 1.2	B, J 1.2	B 5.0	< 5.0	< 5.0	< 5.0
Cadmium	< 5.0	< 5.0	< 5.0	< 5.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium	< 10.0	< 10.0	< 10.0	< 10.0	B 9.1	B 4.6	< 0.010	< 0.010	< 0.010	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Copper	< 25.0	B 4.9	< 25.0	< 25.0	B 11.5	B 15.2	< 0.025	B 7.9	B 14.6	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
Lead	< 3.0	< 3.0	< 3.0	< 3.0	29.4	69.3	< 0.003	< 0.003	B 2.4	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Nickel	< 40.0	< 40.0	< 40.0	B 10.5	61.7	49.9	B 17.1	B 28.1	B 23.7	B 10.2	B 7.7	B 12.5	B 25.6	45.3	B 4.0	B 4.9	B 9.5	< 40.0
Selenium	< 5.0	< 5.0	< 5.0	< 5.0	5.5	6.3	< 0.005	< 0.005	< 0.005	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Silver	< 10.0	< 10.0	< 10.0	< 10.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Thallium	< 10.0	< 10.0	< 10.0	< 10.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	B 5.6	B 5.9	< 10.0	B 5.6	B 5.5	< 10.0	< 10.0	< 10.0	< 10.0
Zinc	B 10.5	B, J 11.3	< 20.0	B, J 6.6	J 31.6	B,J 19.1	< 0.020	B 31.1	J 22.7	B 19.4	B 7.0	B 6.6	B 6.9	B 18.1	< 20.0	< 20.0	B 11.6	B, J 10.1
Mercury	< 0.2	< 0.2	< 0.2	< 0.2	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dissolved Metals (ug/L)																		
Antimony-DISS	< 60.0	< 60.0	B 2.7	B 2.1	84.7	91.4	B 6.0	B 7	B 3.5	B, J 5.4	B, J 3.6	< 60.0	B, J 2.6	< 60.0	< 60.0	B 2.9	< 60.0	N/A
Arsenic-DISS	< 10.0	< 10.0	< 10.0	< 10.0	21.9	33.5	16.9	192	< 0.010	19.8	22.3	< 10.0	B 5.3	< 10.0	B 6.3	< 10.0	< 10.0	N/A
Beryllium-DISS	B, J 1.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	B, J 1.1	B, J 1.1	< 5.0	B, J 1.2	< 5.0	< 5.0	< 5.0	< 5.0	N/A
Cadmium-DISS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	N/A
Chromium-DISS	< 10.0	< 10.0	< 10.0	< 10.0	B 3.8	B 5.6	< 10.0	< 10.0	B 2.9	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	N/A
Copper-DISS	< 25.0	< 25.0	< 25.0	< 25.0	B 12.8	B 5.8	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	N/A
Lead-DISS	< 3.0	< 3.0	< 3.0	< 3.0	35.1	12.5	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	N/A
Nickel-DISS	< 40.0	< 40.0	< 40.0	B 10.2	51.4	56.2	B 15.8	B 19.4	B 25.9	B 8.0	B 8.3	B 13.6	B 26.0	40	B 3.3	B 2.9	B 7.1	N/A
Selenium-DISS	< 5.0	< 5.0	B 4.3	< 5.0	6.6	6.8	< 0.005	< 0.005	< 0.005	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	N/A
Silver-DISS	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	N/A
Thallium-DISS	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	B 8.7	B 7.2	< 10.0	< 10.0	B 4.9	< 10.0	< 10.0	< 10.0	N/A
Zinc-DISS	B 7.1	< 20.0	B 5.1	B, J 5.7	B,J 13.5	B,J 10.900	< 20.0	< 20.0	B,J 6.8	B 9.7	B 8.6	< 20.0	B 10.7	B, J 15.2	< 20.0	< 20.0	< 20.0	N/A
Mercury	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	N/A

Notes:
1. This table was developed based on the analytical data from Test America Laboratories, 4101 Shuffel Drive NW, North Canton, Ohio, 44720.
2. The letters "B" and "J" indicated beside the anaytical results are qualifiers used by Test America Laboratories.
   B = Constituent also detected in Method Blank for VOCs and SVOCs; Samples that contain results between the Method Detection Limit (MDL) and the Reporting Limit (RL) for Metals
   J = Samples that contain results between the Method Detection Limit (MDL) and the Reporting Limit (RL) for VOCs and SVOCs; Constituent also detected in Method Blank for Metals
3. Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Metal results reported in micrograms per Liter (ug/L).

Table 3
Greiners Lagoon
Detection Summary Table
Deep Wells

	Constituent	MW-1, 1998	MW-1, 2006	MW-1, 2007	MW-1, 2008	EPC
VOCs	Carbon disulfide (µg/l)	ND	ND	0.99 J	ND	N/A
SVOCs	bis-2-ethylhexyl phthalate (µg/l)	ND	ND	ND	1.3 B, J	7.4
	Phenol (µg/l)	2.8	ND	ND	ND	2.8
Metals	Beryllium (mg/l)	ND	ND	ND	0.0011 B,J	N/A
	Lead (mg/l)	0.0052	ND	ND	ND	0.014
	Thallium (mg/l)	ND	ND	.0079 J	ND	N/A
	Zinc (mg/l)	0.055	ND	ND	0.0071 B	0.08

	Constituent	MW-2, 1998	MW-2, 2006	MW-2, 2007	MW-2, 2008	EPC
SVOCs	bis-2-ethylhexyl phthalate (µg/l)	ND	0.89	ND	2.5	7.4
	Di-n-butyl phthalate (µg/l)	ND	ND	0.87 J, B	ND	N/A
Metals	Arsenic (mg/l)	ND	ND	0.0071 B	ND	N/A
	Lead (mg/l)	0.0099	ND	ND	ND	0.014
	Thallium (mg/l)	ND	ND	0.0098 B, J	ND	N/A
	Zinc (mg/l)	0.08	0.0075 *B*	ND	ND	0.08

	Constituent	MW-3, 1998	MW-3, 2006	MW-3, 2007	MW-3, 2007	EPC
VOCs	Acetone (µg/l)	ND	8.8 *B*	6.6 J	6.4 J	480
	4-methyl-2-pentanone(µg/l)	ND	1.7	1.9 J	1.0 J	170
SVOCs	Di-n-butyl phthalate (µg/l)	ND	ND	0.81 J, B	1.2 J	N/A
Metals	Arsenic (mg/l)	ND	ND	0.0036 B	ND	N/A
	Antimony (mg/l)	ND	ND	ND	0.0036 B,J	N/A
	Beryllium (mg/l)	ND	ND	ND	0.0012 B,J	N/A
	Lead (mg/l)	0.014	ND	ND	ND	0.014
	Cadmium (mg/l)	ND	0.003 *B*	ND	ND	N/A
	Selenium (mg/l)	ND	ND	ND	0.0043 B	N/A
	Zinc (mg/l)	0.061	ND	ND	ND	0.08

Note: *B* denotes a Consitiuent detected in Method Blank for VOCs and SVOCs
J denotes a Constitiuent detected in Method Blank for Metals
Deep Well, Perched Off-site, Perched On-site EPC values obtained from Risk Assessment
Metals listed are dissolved (filtered) metals
EPC = Exposure Point Concentration from EE/CA
N/A = Constituent not detected during Risk Assessment Calcualtions and therefore no EPC applies

Table includes results for detected compounds only.

Table 4
Greiners Lagoon
Detection Summary Table
Shallow On-site Wells

	Constituent	MW-4, 1998	MW-4, 2006	MW-4, 2007	MW-4, 2008	EPC
VOCs	Acetone (µg/l)	8.3	2.9	3.5 J	3.4 J	170,000
	4-methyl-2-pentanone(µg/l)	ND	ND	*ND*	0.46 J	110,000
	2-Butanone (µg/l)	ND	ND	*ND*	0.57 J	22,000
	Benzene (µg/l)	1.6	ND	ND	ND	2,200
SVOCs	bis(2-ethylhexyl) phthalate (µg/l)	ND	ND	1.0 J	*ND*	N/A
Metals	Arsenic (mg/l)	0.018	ND	0.0038 B	*ND*	0.143
	Antimony (mg/l)	ND	ND	*ND*	0.0021 B	0.008
	Chromium (mg/l)	0.02	ND	ND	ND	0.265
	Copper (mg/l)	0.038	0.0055 *B*	0.0059 B	*ND*	0.517
	Lead (mg/l)	0.013	ND	ND	ND	3.35
	Nickel (mg/l)	ND	0.0066 *B*	0.0095 B	0.0102 B	0.627
	Zinc (mg/l)	0.15	0.0072 *B*	ND	0.0057 B,J	1.93

	Constituent	MW-5, 1998	MW-5, 2006	MW-5, 2007	MW-5, 2008	EPC
VOCs	Acetone (µg/l)	500	2,700	120	130	170,000
	Benzene (µg/l)	63	30	22	11	2,200
	4-methyl-2-pentanone(µg/l)	80	9,800	ND	170	110,000
	2-Butanone (MEK) (µg/l)	77	200	15 J	32 J	22,000
	Carbon disulfide (µg/l)	ND	ND	3.9 J	1.7 J	N/A
	Ethybenzene (µg/l)	5.7	ND	9.7 J	4.0 J	3,800
	Methylene chloride (µg/l)	ND	ND	3.5 J, B	ND	N/A
	Tricholoethene (µg/l)	ND	ND	6.1 J	4.6 J	N/A
	Toluene (µg/l)	8.5	ND	39	15	10,000
	Xylene (µg/l)	11	ND	20	11	19,000
SVOCs	Diethyl phthalate (µg/l)	ND	76	ND	ND	N/A
	2,4-Dimethylphenol	ND	ND	ND	16 J	N/A
	Phenol (ug/l)	ND	ND	ND	27	320,000
Metals	Antimony (mg/l)	ND	0.0252 *B*	0.11	0.0914	0.008
	Arsenic (mg/l)	0.018	0.0303	0.0833	0.0335	0.143
	Chromium (mg/l)	0.007	0.0049 *B*	0.0126	0.0056 B	0.265
	Copper (mg/l)	ND	ND	ND	0.0128 B	0.517
	Lead (mg/l)	ND	ND	ND	0.0351	3.35
	Nickel (mg/l)	0.04	0.119	0.069	0.0562	0.627
	Selenium (mg/l)	ND	0.009	0.0064	0.0068	N/A
	Thallium (mg/l)	ND	0.0064 *B*	ND	ND	N/A
	Zinc (mg/l)	0.13	0.0233	0.0174 B	0.0135 B,J	1.93

	Constituent	MW-6, 1998	MW-6, 2006	MW-6, 2007	MW-6, 2008	EPC
VOCs	Acetone (µg/l)	1,400	13	25	18 J	170,000
	4-methyl-2-pentanone(µg/l)	600	ND	0.82 J	*ND*	110,000
	2-Butanone (µg/l)	ND	2.1	2.2 J	2.3 J	22,000
	Benzene (µg/l)	18	1.5	1.6	ND	2,200
	Carbon disulfide (µg/l)	ND	ND	0.45 J	*ND*	N/A
SVOCs	Phenol (µg/l)	1,400	ND	ND	ND	320,000
Metals	Antimony (mg/l)	ND	0.0061 *B*	0.0042 B	0.006 B	0.008
	Arsenic (mg/l)	0.066	0.024	*0.0459*	0.0169	0.143
	Copper (mg/l)	0.041	ND	ND	ND	0.517
	Nickel (mg/l)	ND	0.001 *B*	0.0102 B	0.0158 B	0.627
	Zinc (mg/l)	0.063	ND	ND	ND	1.93

Table includes results for detected compounds only.

Table 4 (continued)
Greiners Lagoon
Detection Summary Table
Shallow On-site Wells

	Constituent	MW-7, 1998	MW-7, 2006	MW-7, 2007	MW-7, 2008	EPC
VOCs	Acetone (µg/l)	19	6.4	20 J	12 J	170,000
	2-Butanone (µg/l)	ND	1.5	ND	3.6 J	22,000
	Benzene (µg/l)	23	13	9.2	5.7	2,200
	4-methyl-2-pentanone(µg/l)	ND	ND	ND	2.7 J	110,000
	Methylene chloride (µg/l)	ND	ND	1.7 J, B	ND	N/A
SVOCs	Phenol (µg/l)	ND	ND	ND	3.8 J	320,000
Metals	Antimony (mg/l)	ND	ND	0.0158 B	0.007 B	0.0080
	Arsenic (mg/l)	0.086	0.0885	0.246	0.192	0.143
	Copper (mg/l)	0.028	ND	ND	ND	0.517
	Lead (mg/l)	0.0033	ND	ND	ND	3.35
	Nickel (mg/l)	ND	0.0167 *B*	*0.0152 B*	*0.0194 B*	0.627
	Selenium (mg/l)	ND	ND	*0.0044 B*	*ND*	N/A
	Thallium (mg/l)	ND	0.0091 *B*	ND	ND	N/A
	Zinc (mg/l)	0.11	ND	ND	ND	1.93

	Constituent	MW-8, 1998	MW-8, 2006	MW-8, 2007	MW-8, 2008	EPC
VOCs	Acetone (µg/l)	6.3	2.6	1.2 J	6.9 J	170,000
	Benzene (µg/l)	1.3	ND	ND	ND	2,200
Metals	Antimony (mg/l)	ND	ND	ND	0.0035 B	0.0080
	Arsenic (mg/l)	0.039	ND	ND	ND	0.143
	Chromium (mg/l)	0.0088	ND	ND	0.0029 B	0.265
	Copper (mg/l)	0.026	0.0043 *B*	ND	ND	0.517
	Lead (mg/l)	0.0088	ND	ND	ND	3.35
	Nickel (mg/l)	ND	0.0153 *B*	0.0175 B	0.0259 B	0.627
	Thallium (mg/l)	ND	0.005 *B*	ND	ND	N/A
	Zinc (mg/l)	0.12	ND	ND	0.0068 B,J	1.93

Note: *B* denotes a Consitiuent detected in Method Blank for VOCs and SVOCs
J denotes a Constitiuent detected in Method Blank for Metals
Deep Well, Perched Off-site, Perched On-site EPC values obtained from Risk Assessment
Metals listed are dissolved (filtered) metals
EPC = Exposure Point Concentration from EE/CA
N/A = Constituent not detected during Risk Assessment Calcualtions and therefore no EPC applies

Table includes results for detected compounds only.

Table 5
Greiners Lagoon
Detection Summary Table
Shallow Off-site Wells

	Constituent	MW-9, 1998	MW-9, 2006	MW-9, 2007	MW-9, 2008	EPC
VOCs	Acetone (µg/l)	16	9.3 *B*	4.8 J	23 J	2,750
	Acetonitrile (µg/l)	ND	1.5 *B*	ND	ND	N/A
	2-Butanone (µg/l)	ND	1.1	1.0 J	ND	N/A
	Vinyl acetate (µg/l)	ND	0.67	ND	ND	N/A
	Methylene Chloride	ND	ND	ND	18	N/A
	4-methyl-2-pentanone(µg/l)	3.7	0.48	0.47 J	ND	15
Metals	Antimony (mg/l)	ND	ND	ND	0.0054 B,J	N/A
	Arsenic (mg/l)	0.016	0.0195	0.0195	0.0198	0.0258
	Beryllium (mg/l)	ND	ND	ND	0.0011 B,J	0.0055
	Chromium (mg/l)	0.016	ND	ND	ND	0.208
	Copper (mg/l)	0.035	ND	ND	ND	0.574
	Lead (mg/l)	0.015	ND	ND	ND	0.19
	Nickel (mg/l)	ND	0.0117 *B*	0.0055 B	0.0083 B	0.86
	Thallium (mg/l)	ND	ND	ND	0.0087 B	N/A
	Zinc (mg/l)	0.13	ND	ND	0.0097 B	1.27

	Constituent	MW-10, 1998	MW-10, 2006	MW-10, 2007	MW-10, 2008	EPC
VOCs	Acetone (µg/l)	10	11 *B*	12	6.3 J,B	2,750
	4-methyl-2-pentanone(µg/l)	ND	0.51	2.8 J	0.36 J	15
	2-Butanone (µg/l)	ND	0.73	0.68 J, B	ND	N/A
Metals	Arsenic (mg/l)	ND	ND	0.0049 B	ND	0.0258
	Chromium (mg/l)	0.016	ND	ND	ND	0.208
	Nickel (mg/l)	ND	0.0223 *B*	.0209 B	.0136 B	0.86
	Lead (mg/l)	0.0095	ND	ND	ND	0.19
	Thallium (mg/l)	ND	ND	0.0053 B	ND	N/A
	Zinc (mg/l)	0.095	0.0108 *B*	.0128 B	.006 B	1.27

	Constituent	MW-11, 1998	MW-11, 2006	MW-11, 2007	MW-11, 2008	EPC
VOCs	Acetone (µg/l)	11	29 *B*	46	37	2,750
	2-Butanone (µg/l)	ND	2.9	1.3 J	3.1 J	N/A
	1,4 Dioxane	ND	50	ND	ND	N/A
	Carbon disulfide	ND	0.45	ND	ND	N/A
	Chloromethane (µg/l)	ND	ND	0.39 J	ND	N/A
	Isobutyl alcohol	ND	9.2	ND	ND	N/A
	Methylene Chloride	ND	ND	ND	2.6	N/A
	4-methyl-2-pentanone(µg/l)	ND	5.9	4.4 J	4.6 J	15
Metals	Antimony (mg/l)	ND	ND	ND	0.0026 B,J	N/A
	Arsenic (mg/l)	0.011	0.0091 *B*	0.0055 B	0.0053 B	0.0258
	Beryllium (mg/l)	ND	ND	ND	0.0012 B,J	0.0055
	Chromium (mg/l)	0.012	ND	ND	ND	0.208
	Nickel (mg/l)	0.04	0.0262 *B*	0.0312 B	0.026 B	0.86
	Lead (mg/l)	0.011	ND	ND	ND	0.19
	Thallium (mg/l)	ND	0.0057 *B*	ND	ND	N/A
	Zinc (mg/l)	0.11	0.0242	0.006 B	0.0107 B	1.27

Note: *B* denotes a Consitiuent detected in Method Blank for VOCs and SVOCs
J denotes a Constitiuent detected in Method Blank for Metals
Deep Well, Perched Off-site, Perched On-site EPC values obtained from Risk Assessment
Metals listed are dissolved (filtered) metals
EPC = Exposure Point Concentration from EE/CA
N/A = Constituent not detected during Risk Assessment Calcualtions and therefore no EPC applies
Table includes results for detected compounds only

Table 5 (continued)
Greiners Lagoon
Detection Summary Table
Shallow Off-site Wells

	Constituent	MW-12, 1998	MW-12, 2006	MW-12, 2007	MW-12, 2008	EPC
VOCs	Acetone (µg/l)	19	15 *B*	38	8.7 J	2,750
	2-Butanone (µg/l)	ND	ND	1.7 J	ND	N/A
	Chloromethane (µg/l)	ND	ND	0.99 J	ND	N/A
	Methacrylonitrile (µg/l)	ND	ND	0.62 J	ND	N/A
	Methylene Chloride	ND	ND	ND	2.2	N/A
	4-methyl-2-pentanone(µg/l)	15	7.7	0.91 J	ND	15
SVOCs	bis-2-ethylhexyl phthalate (µg/l)	ND	22	ND	4.5 J,B	N/A
Metals	Arsenic (mg/l)	ND	ND	0.0054 B	ND	0.0258
	Chromium (mg/l)	0.023	ND	ND	ND	0.208
	Copper (mg/l)	0.029	0.0047 *B*	.0055 B	ND	0.574
	Nickel (mg/l)	ND	0.046	0.0432	0.040	0.86
	Lead (mg/l)	0.014	ND	ND	ND	0.19
	Thallium (mg/l)	ND	0.0048 B	0.0076 B	0.049 B	N/A
	Zinc (mg/l)	0.13	0.0109 *B*	0.0070 B	0.0152 B,J	1.27

	Constituent	MW-13, 1998	MW-13, 2006	MW-13, 2007	MW-13, 2008	EPC
VOCs	Acetone (µg/l)	4,000	5.4 *B*	12	7.6 J, B	2,750
	Isobutyl alcohol	ND	8.5	ND	ND	N/A
	4-methyl-2-pentanone(µg/l)	ND	0.38	1.1 J	.054 J	15
Metals	Arsenic (mg/l)	0.039	0.0048 *B*	0.0047 B	.0063 B	0.0258
	Chromium (mg/l)	0.039	ND	ND	ND	0.208
	Copper (mg/l)	0.08	ND	ND	ND	0.574
	Nickel (mg/l)	0.084	0.0034 *B*	ND	.0033 B	0.86
	Lead (mg/l)	0.037	ND	ND	ND	0.19
	Zinc (mg/l)	0.24	0.0068 *B*	ND	ND	1.27

	Constituent	MW-14, 1998	MW-14, 2006	MW-14, 2007	MW-14, 2008	EPC
VOCs	Acetone (µg/l)	ND	2 *B*	4.2 J	1.4 J, B	2,750
	Isobutyl alcohol	ND	6.4	ND	ND	N/A
	4-methyl-2-pentanone(µg/l)	ND	ND	0.63 J	ND	15
Metals	Arsenic (mg/l)	0.027	ND	ND	ND	0.0258
	Chromium (mg/l)	0.023	ND	ND	ND	0.208
	Copper (mg/l)	0.065	ND	ND	ND	0.574
	Nickel (mg/l)	0.066	0.0037 *B*	ND	0.0064 B	0.86
	Lead (mg/l)	0.029	ND	ND	ND	0.19
	Zinc (mg/l)	0.21	ND	ND	ND	1.27

	Constituent		MW-15, 2006	MW-15, 2007	MW-15, 2008	EPC
Metals	Arsenic (mg/l)	NW	ND	.0036 B	ND	0.0258
	Nickel (mg/l)	NW	0.0048	.0056 B	.0071 B	0.86
	Zinc (mg/l)	NW	ND	ND	.0116 B	1.27

Note: *B* denotes a Consitiuent detected in Method Blank for VOCs and SVOCs
J denotes a Constitiuent detected in Method Blank for Metals
Deep Well, Perched Off-site, Perched On-site EPC values obtained from Risk Assessment
Metals listed are dissolved (filtered) metals
EPC = Exposure Point Concentration from EE/CA
N/A = Constituent not detected during Risk Assessment Calculations and therefore no EPC applies
NW = New well installed in 2006 - no data available for 1998

Table includes results for detected compounds only

Appendix A
O&M Inspection Logs

Appendix B

GREINER'S LAGOON
O&M INSPECTION LOG

Date: 03/31/2008 **Time:** 10:35 (AM)/PM
Inspector: Name: AARON FREDERICY Title: STAFF GEOLOGIST Company: ERM

Weather conditions (sunny, rainy, etc.): CLOUDY
Temperature °F 45°
Wind Direction NE Wind Speed (estimated) 10Mph - 15mph
Ground conditions (saturated, moist, dry, etc.): MOIST TO SATURATED
Understory conditions (grass height, weed density, etc.): GRASS MOWED.

Site conditions:

1. Has the surface been disturbed by rutting, erosion channels, tire tracks, settlement, etc.? (Yes)/No MARKED ON SITE MAP
2. Are there any indications of vandalism or trespassing? Yes/(No)
3. Is the fence secure? (Yes)/No - ALL GATES SECURE WITH NO OTHER OPENINGS
4. Are there any breaches or open gates in the fence? Yes/(No)
5. Have the tree planting trenches, tree planting holes, or other areas settled below grade? Yes/(No)
6. Is there ponded water at the site? (Yes)/No - DRIAN BLOCKED, UNCLOGGED DRAIN AND WATER NOW FLOWING, ALSO BY MW1.
7. Is water flowing to the catchbasin at the northeast corner? (Yes)/No SLOWLY
8. Are there any seeps? Yes/(No) If yes, provide locations in following section.
9. Is there any visible dust in the air? If yes, provide locations in following section. NO
10. Is significant erosion taking place at the site? (Yes)/(No) ANIMAL BURROWS SOME SEEPS/RILLS
11. Have the number of live/dead trees changed since the last inspection? Yes/No
12. Do the leaves look eaten? Yes/(No) NO LEAVES YET
13. Do the leaves look discolored? Yes/(No) — NO LEAVES YET
14. Do the leaves look wilted or curled? Yes/(No) — NO LEAVES YET
15. Has the outer bark been damaged by deer rubbing, rabbit gnawing, equipment damage, etc.? Yes/(No)
16. Do the tips of the branches look eaten? Yes/(No)
17. Are there visible animal burrows? (Yes)/No - MARKED ON MAP
18. Are there visible insects on the tree bark or on the leaves (check the underside)? Yes/(No)

Appendix B

19. Are there holes in the bark, oozing sap, wood shavings, or other characteristics of borer activity? Yes/No
20. Are there patches of dead grass? Yes/No
21. Do the trees have leaves? Yes/No
22. Are the trees losing their leaves? Yes/No
23. Are new buds starting to loosen? Yes/No - STILL WINTER/SPRING
24. Does the grass look green and healthy? Yes/No - " "
25. How tall is the grass (in inches)? - 4-5

If the answer to any of the first 23 questions was 'yes', please explain in detail:

_____

_____

_____

_____

_____

Maintenance performed since the last inspection:_____

_____

_____

_____

_____

Comments or additional observations:_____

_____

_____

_____

Recommended corrective actions: _____

_____

_____

_____

Action taken: _____

_____

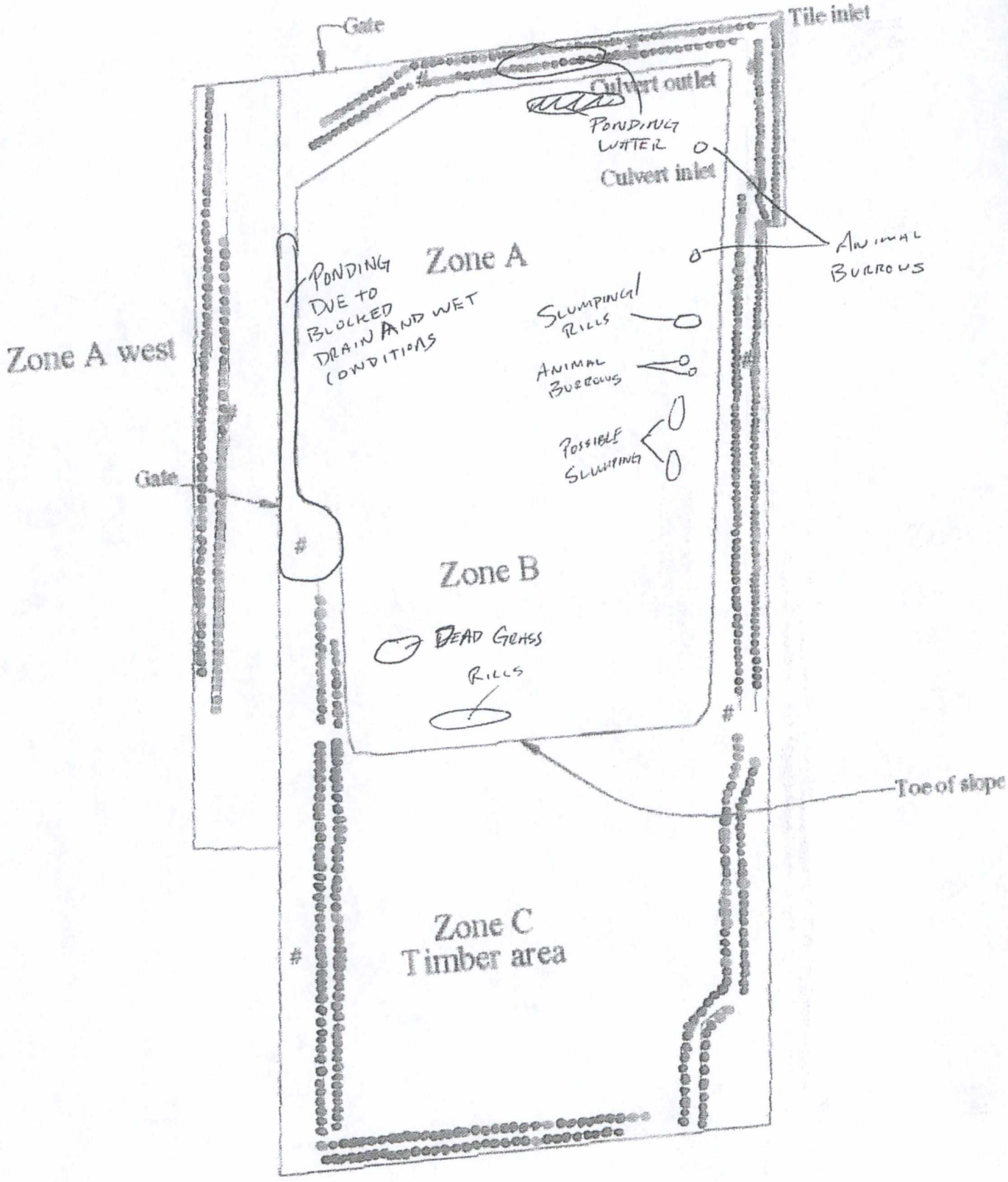
_____

Action taken by: Name: _____ Date: _____/_____/_____

Appendix B

NOTES:

SITE MAP WITH TREES



Appendix B

GREINER'S LAGOON
O&M INSPECTION LOG

Date: 5 / 16 / 2008 **Time:** 10:00 (AM/PM)
Inspector: Name: Sarah Wood Title: Project Engineer Company: ERM

Weather conditions (sunny, rainy, etc.): Cloudy
Temperature °F 50's
Wind Direction _____ Wind Speed (estimated) _____
Ground conditions (saturated, moist, dry, etc.): saturated
Understory conditions (grass height, weed density, etc.): grass height 1'-2'

Site conditions:

1. Has the surface been disturbed by rutting, erosion channels, tire tracks, settlement, etc.? (Yes)/No
2. Are there any indications of vandalism or trespassing? Yes/(No)
3. Is the fence secure? (Yes)/No
4. Are there any breaches or open gates in the fence? Yes/No → tree fallen on fence west of cupenclosure fence
5. Have the tree planting trenches, tree planting holes, or other areas settled below grade? (Yes)/No
6. Is there ponded water at the site? (Yes)/No
7. Is water flowing to the catchbasin at the northeast corner? (Yes)/No
8. Are there any seeps? Yes/No If yes, provide locations in following section.
9. Is there any visible dust in the air? If yes, provide locations in following section. NO
10. Is significant erosion taking place at the site? (Yes)/No
11. Have the number of live/dead trees changed since the last inspection? Yes/No
12. Do the leaves look eaten? Yes/(No)
13. Do the leaves look discolored? Yes/(No)
14. Do the leaves look wilted or curled? Yes/(No)
15. Has the outer bark been damaged by deer rubbing, rabbit gnawing, equipment damage, etc.? Yes/(No)
16. Do the tips of the branches look eaten? Yes/(No)
17. Are there visible animal burrows? (Yes)/No 2 along ~~NE~~ E bank, northern portion
18. Are there visible insects on the tree bark or on the leaves (check the underside)? Yes/(No)

Appendix B

19. Are there holes in the bark, oozing sap, wood shavings, or other characteristics of borer activity? Yes/No

20. Are there patches of dead grass? Yes/No

21. Do the trees have leaves? Yes/No

22. Are the trees losing their leaves? Yes/No

23. Are new buds starting to loosen? Yes/No

24. Does the grass look green and healthy? Yes/No

25. How tall is the grass (in inches)? at least 24", more in some areas

If the answer to any of the first 23 questions was 'yes', please explain in detail:

standing water observed surrounding east, south, and west sides of cap. Two animal burrows observed on east side of cap. erosion rills observed E, S, + W. Tree fallen on fence W of W fence @ cap

Maintenance performed since the last inspection: _____

Comments or additional observations: _____

Recommended corrective actions: _____

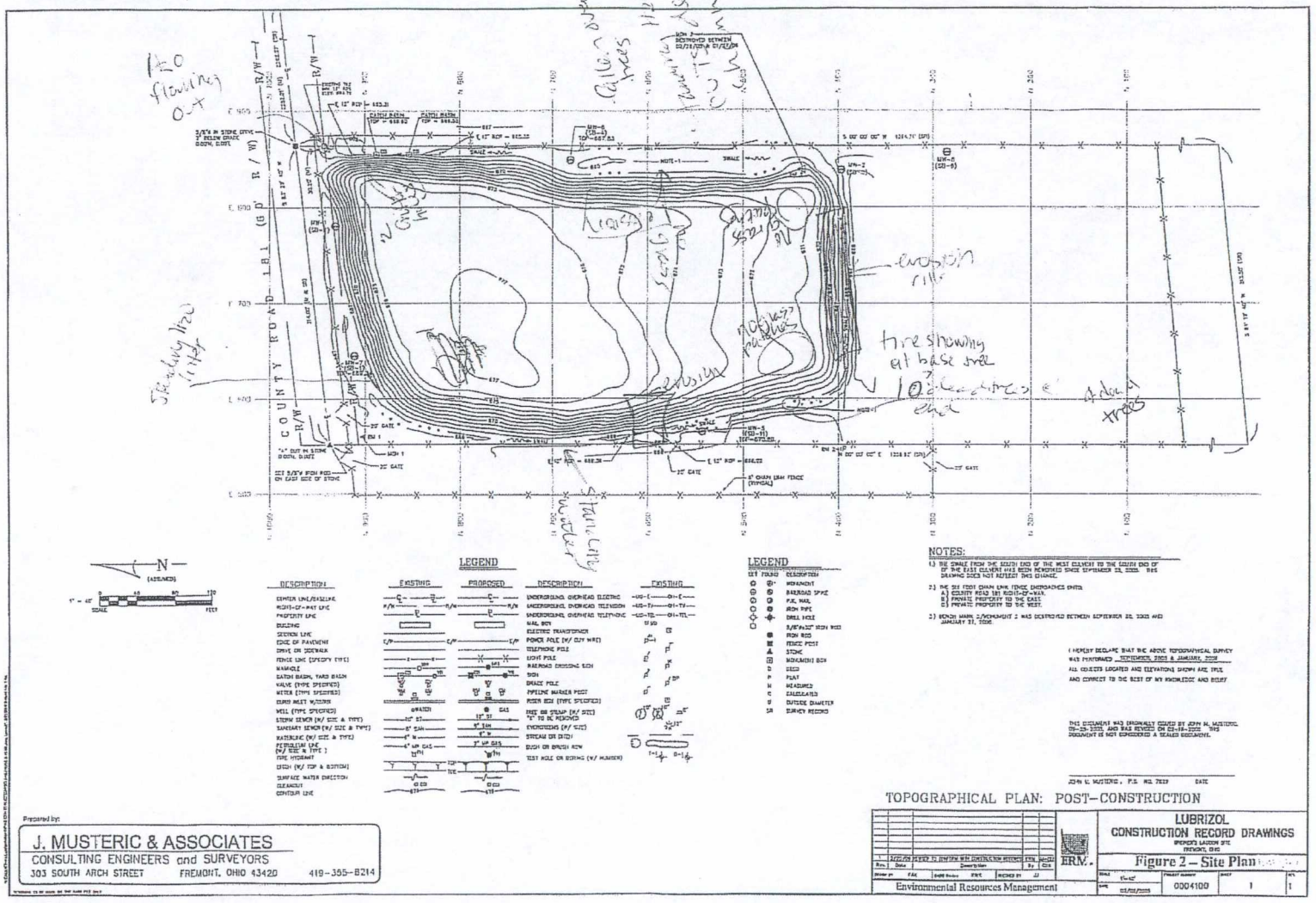
Action taken: _____

Action taken by: Name: _____ Date: ____/____/____

Appendix B

NOTES: See Photos and notes on site Plan

Field Notes - S. Wood of ERM
Site Inspection - 5/16/08



Appendix B

GREINER'S LAGOON
O&M INSPECTION LOG

Date: 6/20/2008 **Time:** 10 30 AM/PM
Inspector: Name: Jerome Jacobs Title: P.M. Company: ERM

Weather conditions (sunny, rainy, etc.): Sunny
Temperature °F 75
Wind Direction NW Wind Speed (estimated) 5
Ground conditions (saturated, moist, dry, etc.): moist
Understory conditions (grass height, weed density, etc.): 6-10" Grass

Site conditions:

1. Has the surface been disturbed by rutting, erosion channels, tire tracks, settlement, etc.? Yes/No
2. Are there any indications of vandalism or trespassing? Yes/No
3. Is the fence secure? Yes/No
4. Are there any breaches or open gates in the fence? Yes/No
5. Have the tree planting trenches, tree planting holes, or other areas settled below grade? Yes/No
6. Is there ponded water at the site? Yes/No
7. Is water flowing to the catchbasin at the northeast corner? Yes/No
8. Are there any seeps? Yes/No If yes, provide locations in following section.
9. Is there any visible dust in the air? If yes, provide locations in following section. No
10. Is significant erosion taking place at the site? Yes/No
11. Have the number of live/dead trees changed since the last inspection? Yes/No
12. Do the leaves look eaten? Yes/No
13. Do the leaves look discolored? Yes/No
14. Do the leaves look wilted or curled? Yes/No
15. Has the outer bark been damaged by deer rubbing, rabbit gnawing, equipment damage, etc.? Yes/No
16. Do the tips of the branches look eaten? Yes/No
17. Are there visible animal burrows? Yes/No
18. Are there visible insects on the tree bark or on the leaves (check the underside)? Yes/No

Appendix B

19. Are there holes in the bark, oozing sap, wood shavings, or other characteristics of borer activity? Yes/No

20. Are there patches of dead grass? Yes/No a few

21. Do the trees have leaves? Yes/No

22. Are the trees losing their leaves? Yes/No

23. Are new buds starting to loosen? Yes/No

24. Does the grass look green and healthy? Yes/No

25. How tall is the grass (in inches)? 4-8"

If the answer to any of the first 23 questions was 'yes', please explain in detail:
Grass was cut within the past week, about 4" Growth

Maintenance performed since the last inspection: _____

Comments or additional observations: One broken tree on North side needs to be replaced

Recommended corrective actions: _____

Action taken: _____

Action taken by: Name: _____ Date: ____/____/____

Appendix B

NOTES:

Appendix B

GREINER'S LAGOON
O&M INSPECTION LOG

Date: 9 / 30 / 08 **Time:** 1230 AM/PM

Inspector: Name: Sarah Wood Title: Proj Engineer Company: ERM

Weather conditions (sunny, rainy, etc.): partly cloudy

Temperature °F _____

Wind Direction _____ Wind Speed (estimated) _____

Ground conditions (saturated, moist, dry, etc.): damp

Understory conditions (grass height, weed density, etc.): grass height @ 18"

Site conditions:

1. Has the surface been disturbed by rutting, erosion channels, tire tracks, settlement, etc.? Yes/No some erosion patches - very limited
2. Are there any indications of vandalism or trespassing? Yes/No
3. Is the fence secure? Yes/No
4. Are there any breaches or open gates in the fence? Yes/No
5. Have the tree planting trenches, tree planting holes, or other areas settled below grade? Yes/No
6. Is there ponded water at the site? Yes/No
7. Is water flowing to the catchbasin at the northeast corner? Yes/No dry
8. Are there any seeps? Yes/No If yes, provide locations in following section.
9. Is there any visible dust in the air? If yes, provide locations in following section. NO
10. Is significant erosion taking place at the site? Yes/No
11. Have the number of live/dead trees changed since the last inspection? Yes/No
12. Do the leaves look eaten? Yes/No
13. Do the leaves look discolored? Yes/No
14. Do the leaves look wilted or curled? Yes/No
15. Has the outer bark been damaged by deer rubbing, rabbit gnawing, equipment damage, etc.? Yes/No
16. Do the tips of the branches look eaten? Yes/No
17. Are there visible animal burrows? Yes/No
18. Are there visible insects on the tree bark or on the leaves (check the underside)? Yes/No

Appendix B

19. Are there holes in the bark, oozing sap, wood shavings, or other characteristics of borer activity?
    Yes/No

20. Are there patches of dead grass? Yes/No

21. Do the trees have leaves? Yes/No

22. Are the trees losing their leaves? Yes/No

23. Are new buds starting to loosen? Yes/No

24. Does the grass look green and healthy? Yes/No

25. How tall is the grass (in inches)? 18"

If the answer to any of the first 23 questions was 'yes', please explain in detail:
some erosion areas - limited and indicated on site sketch

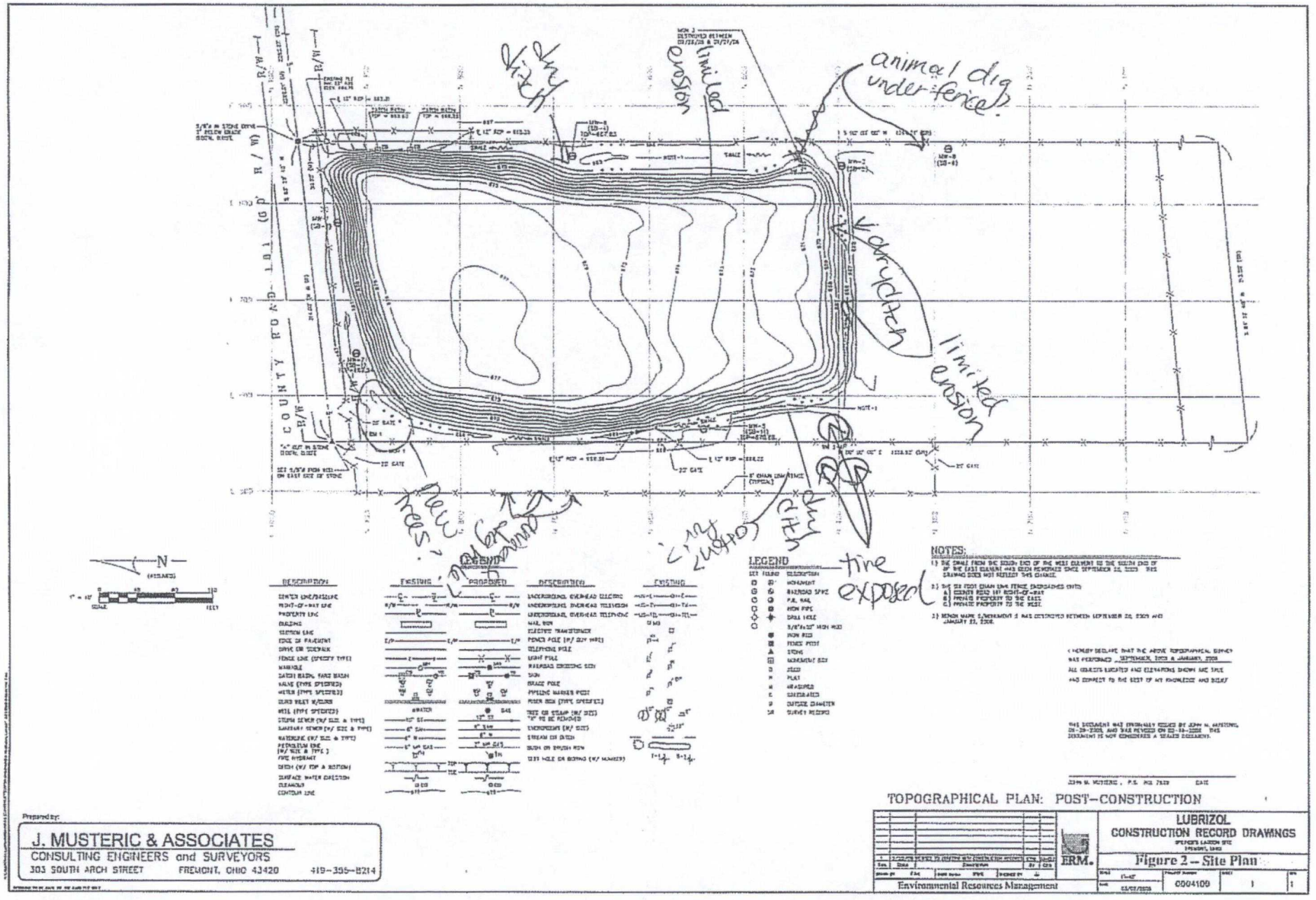
Maintenance performed since the last inspection: animal burrows fixed

Comments or additional observations: see and hear many crickets, see butterflies, bees, grasshoppers, squirrel inside uncapped fenced area
(*) 3 exposed tires - 1 inside cap area

Recommended corrective actions: _____

Action taken: _____

Action taken by: Name: _____ Date: ____/____/____



COUNTY ROAD 101 (60' R/W)
R/W
dry ditch
limited erosion
animal dig under fence?
dry ditch
limited erosion
new trees?
dry ditch
tire exposed
LEGEND
DESCRIPTION
EXISTING
PROPOSED
NOTES:
TOPOGRAPHICAL PLAN: POST-CONSTRUCTION
Prepared by:
J. MUSTERIC & ASSOCIATES
CONSULTING ENGINEERS and SURVEYORS
303 SOUTH ARCH STREET FREMONT, OHIO 43420 419-355-8214
ERM.
Environmental Resources Management
LUBRIZOL
CONSTRUCTION RECORD DRAWINGS
Figure 2 – Site Plan
0004109
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Appendix B
Laboratory Analytical Data Sheets

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

GREINERS LAGOON BALLVILLE TWSP

Lot #: A8K190241

Jerome Jacobs, PE

ERM Inc
30775 Bainbridge Road
Suite 180
Solon, OH 44139

TESTAMERICA LABORATORIES, INC.

Patrick O'Meara

Approved for release.
Patrick O'Meara
Project Manager
12/5/2008 12:32 PM

Patrick J. O'Meara
Project Manager
patrick.omeara@testamericainc.com

December 5, 2008

CASE NARRATIVE

A8K190241

The following report contains the analytical results for four water samples and one quality control sample submitted to TestAmerica North Canton by ERM Inc. from the Greiners Lagoon Ballville Twsp Site. The samples were received November 19, 2008, 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.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

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.

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, Patrick J. O'Meara, 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 temperature of the cooler upon sample receipt was 0.4°C.

CASE NARRATIVE (continued)

SAMPLE RECEIVING (continued)

See TestAmerica's Cooler Receipt Form for additional information.

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GC/MS SEMIVOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) MW10, MW14, and MW13 had elevated reporting limits due to matrix interferences.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The matrix spike/matrix spike duplicate(s) for batch(es) 8325015 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.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton 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.

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, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the 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 North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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EXECUTIVE SUMMARY - Detection Highlights

A8K190241

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW10 11/18/08 08:17 001				
Nickel - DISSOLVED	13.6 B	40.0	ug/L	SW846 6010B
Nickel	12.5 B	40.0	ug/L	SW846 6010B
Zinc	6.6 B	20.0	ug/L	SW846 6010B
Acetone	6.3 J,B	10	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	0.36 J	10	ug/L	SW846 8260B
MW15 11/18/08 09:45 002				
Nickel - DISSOLVED	7.1 B	40.0	ug/L	SW846 6010B
Nickel	9.5 B	40.0	ug/L	SW846 6010B
Zinc	11.6 B	20.0	ug/L	SW846 6010B
MW14 11/18/08 14:30 003				
Antimony - DISSOLVED	2.9 B	60.0	ug/L	SW846 6010B
Nickel - DISSOLVED	6.4 B	40.0	ug/L	SW846 6010B
Nickel	4.9 B	40.0	ug/L	SW846 6010B
Acetone	1.4 J,B	10	ug/L	SW846 8260B
MW13 11/18/08 16:26 004				
Arsenic - DISSOLVED	6.3 B	10.0	ug/L	SW846 6010B
Nickel - DISSOLVED	3.3 B	40.0	ug/L	SW846 6010B
Arsenic	4.9 B	10.0	ug/L	SW846 6010B
Nickel	4.0 B	40.0	ug/L	SW846 6010B
Acetone	7.6 J,B	10	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	0.54 J	10	ug/L	SW846 8260B
TRIP BLANK 11/18/08 005				
Acetone	5.8 J,B	10	ug/L	SW846 8260B
Methylene chloride	5.4	1.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A8K190241

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
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

A8K190241

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K29CX	001	MW10	11/18/08	08:17
K29DC	002	MW15	11/18/08	09:45
K29DG	003	MW14	11/18/08	14:30
K29DH	004	MW13	11/18/08	16:26
K29DN	005	TRIP BLANK	11/18/08	

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.

Environmental Resources Management Inc

Client Sample ID: MW10

GC/MS Volatiles

Lot-Sample #...: A8K190241-001 **Work Order #...:** K29CX1A6 **Matrix.....:** WG
Date Sampled...: 11/18/08 08:17 **Date Received..:** 11/19/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**6.3 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW10

GC/MS Volatiles

Lot-Sample #...: A8K190241-001 **Work Order #...:** K29CX1A6 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	**0.36 J**	**10**	**ug/L**
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

MW10

GC/MS Volatiles

Lot-Sample #: A8K190241-001 **Work Order #:** K29CX1A6 **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
1-Propene, 2-methyl-	115-11-7	1.3 NJ	M	1.8095	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW10

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-001 **Work Order #...:** K29CX1A7 **Matrix.....:** WG
Date Sampled...: 11/18/08 08:17 **Date Received..:** 11/19/08
Prep Date.....: 11/19/08 **Analysis Date..:** 11/21/08
Prep Batch #...: 8324426
Dilution Factor: 5 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	5.0	ug/L
bis(2-Chloroethyl)-ether	ND	5.0	ug/L
2-Chlorophenol	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
2-Methylphenol	ND	5.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	5.0	ug/L
4-Methylphenol	ND	5.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	5.0	ug/L
Hexachloroethane	ND	5.0	ug/L
Nitrobenzene	ND	5.0	ug/L
Isophorone	ND	5.0	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	5.0	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	1.0	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	25	ug/L
2,4,5-Trichloro-phenol	ND	25	ug/L
2-Chloronaphthalene	ND	5.0	ug/L
2-Nitroaniline	ND	10	ug/L
Dimethyl phthalate	ND	5.0	ug/L
Acenaphthylene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	25	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW10

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-001 Work Order #...: K29CX1A7 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	10	ug/L
Acenaphthene	ND	1.0	ug/L
2,4-Dinitrophenol	ND	25	ug/L
4-Nitrophenol	ND	25	ug/L
Dibenzofuran	ND	5.0	ug/L
2,4-Dinitrotoluene	ND	25	ug/L
Diethyl phthalate	ND	5.0	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	1.0	ug/L
4-Nitroaniline	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	25	ug/L
N-Nitrosodiphenylamine	ND	5.0	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	25	ug/L
Phenanthrene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Carbazole	ND	5.0	ug/L
Di-n-butyl phthalate	ND	5.0	ug/L
Fluoranthene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L
Butyl benzyl phthalate	ND	5.0	ug/L
3,3'-Dichlorobenzidine	ND	25	ug/L
Benzo(a)anthracene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	5.0	ug/L
Benzo(b)fluoranthene	ND	1.0	ug/L
Benzo(k)fluoranthene	ND	1.0	ug/L
Benzo(a)pyrene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	1.0	ug/L
Benzo(ghi)perylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62 DIL	(27 - 111)
2-Fluorobiphenyl	41 DIL	(28 - 110)
Terphenyl-d14	83 DIL	(37 - 119)
Phenol-d5	20 DIL	(10 - 110)
2-Fluorophenol	34 DIL	(10 - 110)
2,4,6-Tribromophenol	59 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW10

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-001 Work Order #...: K29CX1A7 Matrix.....: WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW10

GC/MS Semivolatiles

Lot-Sample #: A8K190241-001 **Work Order #:** K29CX1A7 **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		11 J	M	3.4922	ug/L
Unknown		18 J	M	4.8171	ug/L
Unknown		160 J	M	4.8758	ug/L
Unknown		63 J	M	5.0414	ug/L
Unknown		12 J	M	5.5703	ug/L
Unknown		31 J	M	5.832	ug/L
Unknown		27 J	M	6.0992	ug/L
Unknown		24 J	M	6.1953	ug/L
Unknown		10 J	M	6.4304	ug/L
Unknown		10 J	M	7.1142	ug/L
Unknown		5.4 J	M	7.3546	ug/L
Unknown		16 J	M	7.5469	ug/L
Unknown		17 J	M	7.7926	ug/L
Unknown		10 J	M	8.3001	ug/L
Unknown		19 J	M	8.6527	ug/L
Unknown		160 J	M	8.7863	ug/L
Unknown		33 J	M	8.9679	ug/L
Unknown		17 J	M	8.9946	ug/L
Unknown		160 J	M	9.048	ug/L
Unknown		12 J	M	9.2243	ug/L
Unknown		15 J	M	9.3579	ug/L
Unknown		1600 J	M	9.5715	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW10

TOTAL Metals

Lot-Sample #...: A8K190241-001 **Matrix.....:** WG
Date Sampled...: 11/18/08 08:17 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AE
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AF
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AG
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AK
		Dilution Factor: 1				
Nickel	**12.5 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29CX1AL**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AM
		Dilution Factor: 1				
Zinc	**6.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29CX1AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29CX1A4
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW10

DISSOLVED Metals

Lot-Sample #...: A8K190241-001 **Matrix.....:** WG
Date Sampled...: 11/18/08 08:17 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AP
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AQ
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AR
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AT
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AU
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AV
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AW
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1AX
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1A0
		Dilution Factor: 1				
Nickel	**13.6 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29CX1A1**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1A2
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K29CX1A3
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29CX1A5
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW15

GC/MS Volatiles

Lot-Sample #...: A8K190241-002 **Work Order #...:** K29DC1AH **Matrix.....:** WG
Date Sampled...: 11/18/08 09:45 **Date Received..:** 11/19/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW15

GC/MS Volatiles

Lot-Sample #...: A8K190241-002 **Work Order #...:** K29DC1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

Environmental Resources Management Inc

MW15

GC/MS Volatiles

Lot-Sample #: A8K190241-002 **Work Order #:** K29DC1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
tert-Butyl Alcohol		75	Q	3.386	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

Environmental Resources Management Inc

Client Sample ID: MW15

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-002 **Work Order #...:** K29DC1AJ **Matrix.....:** WG
Date Sampled...: 11/18/08 09:45 **Date Received..:** 11/19/08
Prep Date.....: 11/19/08 **Analysis Date..:** 11/21/08
Prep Batch #...: 8324426
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW15

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-002 **Work Order #...:** K29DC1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(27 - 111)
2-Fluorobiphenyl	40	(28 - 110)
Terphenyl-d14	89	(37 - 119)
Phenol-d5	18	(10 - 110)
2-Fluorophenol	31	(10 - 110)
2,4,6-Tribromophenol	66	(22 - 120)

Environmental Resources Management Inc

MW15

GC/MS Semivolatiles

Lot-Sample #: A8K190241-002 **Work Order #:** K29DC1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.3 J	M	4.817	ug/L
Unknown		6.8 J	M	4.8651	ug/L
Unknown		5.1 J	M	5.0361	ug/L
Unknown		0.81 J	M	5.1482	ug/L
Unknown		3.7 J	M	5.8	ug/L
Unknown		13 J	M	5.8267	ug/L
Unknown		3.6 J	M	6.0991	ug/L
Unknown		1.0 J	M	6.1953	ug/L
Unknown		2.3 J	M	6.6173	ug/L
Unknown		0.79 J	M	6.6654	ug/L
Unknown		1.8 J	M	6.9378	ug/L
Unknown		2.4 J	M	7.0981	ug/L
Unknown		0.82 J	M	7.4186	ug/L
Unknown		1.0 J	M	8.7809	ug/L
Unknown		6.0 J	M	9.5128	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW15

TOTAL Metals

Lot-Sample #...: A8K190241-002 **Matrix.....:** WG
Date Sampled...: 11/18/08 09:45 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AK
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AN
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AP
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AU
		Dilution Factor: 1				
Nickel	**9.5 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DC1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AW
		Dilution Factor: 1				
Zinc	**11.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DC1AX**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29DC1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW15

DISSOLVED Metals

Lot-Sample #...: A8K190241-002 **Matrix.....:** WG
Date Sampled...: 11/18/08 09:45 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A0
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A3
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A4
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AA
		Dilution Factor: 1				
Nickel	**7.1 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DC1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AD
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K29DC1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29DC1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW14

GC/MS Volatiles

Lot-Sample #...: A8K190241-003 **Work Order #...:** K29DG1AH **Matrix.....:** WG
Date Sampled...: 11/18/08 14:30 **Date Received..:** 11/19/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.4 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW14

GC/MS Volatiles

Lot-Sample #...: A8K190241-003 **Work Order #...:** K29DG1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

MW14

GC/MS Volatiles

Lot-Sample #: A8K190241-003 **Work Order #:** K29DG1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
1-Propene, 2-methyl-	115-11-7	2.2 NJ	M	1.8003	ug/L
tert-Butyl Alcohol		88	Q	3.398	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW14

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-003 **Work Order #...:** K29DG1AJ **Matrix.....:** WG
Date Sampled...: 11/18/08 14:30 **Date Received..:** 11/19/08
Prep Date.....: 11/19/08 **Analysis Date..:** 11/21/08
Prep Batch #...: 8324426
Dilution Factor: 5 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	5.0	ug/L
bis(2-Chloroethyl)-ether	ND	5.0	ug/L
2-Chlorophenol	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
2-Methylphenol	ND	5.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	5.0	ug/L
4-Methylphenol	ND	5.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	5.0	ug/L
Hexachloroethane	ND	5.0	ug/L
Nitrobenzene	ND	5.0	ug/L
Isophorone	ND	5.0	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	5.0	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	1.0	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	25	ug/L
2,4,5-Trichloro-phenol	ND	25	ug/L
2-Chloronaphthalene	ND	5.0	ug/L
2-Nitroaniline	ND	10	ug/L
Dimethyl phthalate	ND	5.0	ug/L
Acenaphthylene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	25	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW14

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-003 **Work Order #...:** K29DG1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	10	ug/L
Acenaphthene	ND	1.0	ug/L
2,4-Dinitrophenol	ND	25	ug/L
4-Nitrophenol	ND	25	ug/L
Dibenzofuran	ND	5.0	ug/L
2,4-Dinitrotoluene	ND	25	ug/L
Diethyl phthalate	ND	5.0	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	1.0	ug/L
4-Nitroaniline	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	25	ug/L
N-Nitrosodiphenylamine	ND	5.0	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	25	ug/L
Phenanthrene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Carbazole	ND	5.0	ug/L
Di-n-butyl phthalate	ND	5.0	ug/L
Fluoranthene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L
Butyl benzyl phthalate	ND	5.0	ug/L
3,3'-Dichlorobenzidine	ND	25	ug/L
Benzo(a)anthracene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	5.0	ug/L
Benzo(b)fluoranthene	ND	1.0	ug/L
Benzo(k)fluoranthene	ND	1.0	ug/L
Benzo(a)pyrene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	1.0	ug/L
Benzo(ghi)perylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65 DIL	(27 - 111)
2-Fluorobiphenyl	45 DIL	(28 - 110)
Terphenyl-d14	95 DIL	(37 - 119)
Phenol-d5	19 DIL	(10 - 110)
2-Fluorophenol	31 DIL	(10 - 110)
2,4,6-Tribromophenol	68 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW14

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-003 **Work Order #...:** K29DG1AJ **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW14

GC/MS Semivolatiles

Lot-Sample #: A8K190241-003 **Work Order #:** K29DG1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		11 J	M	3.4959	ug/L
Unknown		21 J	M	4.8207	ug/L
Unknown		130 J	M	4.8741	ug/L
Unknown		70 J	M	5.0451	ug/L
Unknown		11 J	M	5.5686	ug/L
Unknown		13 J	M	5.793	ug/L
Unknown		45 J	M	5.8304	ug/L
Unknown		84 J	M	6.1028	ug/L
Unknown		44 J	M	6.199	ug/L
Unknown		12 J	M	6.4287	ug/L
Unknown		12 J	M	7.1125	ug/L
Unknown		5.2 J	M	7.3582	ug/L
Unknown		9.6 J	M	7.5506	ug/L
Unknown		46 J	M	7.7963	ug/L
Unknown		11 J	M	8.2984	ug/L
Unknown		45 J	M	8.6403	ug/L
Unknown		170 J	M	8.7899	ug/L
Unknown		46 J	M	8.9929	ug/L
Unknown		170 J	M	9.0517	ug/L
Unknown		28 J	M	9.2226	ug/L
Unknown		31 J	M	9.3562	ug/L
Unknown		1500 J	M	9.5699	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW14

TOTAL Metals

Lot-Sample #...: A8K190241-003 **Matrix.....:** WG
Date Sampled...: 11/18/08 14:30 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AK
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AN
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AP
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AU
		Dilution Factor: 1				
Nickel	**4.9 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DG1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AW
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AX
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29DG1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW14

DISSOLVED Metals

Lot-Sample #...: A8K190241-003 **Matrix.....:** WG
Date Sampled...: 11/18/08 14:30 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A0
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A3
		Dilution Factor: 1				
Antimony	**2.9 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DG1A4**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AA
		Dilution Factor: 1				
Nickel	**6.4 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DG1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AD
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K29DG1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29DG1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW13

GC/MS Volatiles

Lot-Sample #...: A8K190241-004 **Work Order #...:** K29DH1AH **Matrix.....:** WG
Date Sampled...: 11/18/08 16:26 **Date Received..:** 11/19/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**7.6 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW13

GC/MS Volatiles

Lot-Sample #...: A8K190241-004 **Work Order #...:** K29DH1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	**0.54 J**	**10**	**ug/L**
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

MW13

GC/MS Volatiles

Lot-Sample #: A8K190241-004 **Work Order #:** K29DH1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
1-Propene, 2-methyl-	115-11-7	1.9 NJ	M	1.7983	ug/L
tert-Butyl Alcohol		140	Q	3.396	ug/L
Tetrahyrofuran		5.4	Q	4.65	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW13

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-004 **Work Order #...:** K29DH1AJ **Matrix.....:** WG
Date Sampled...: 11/18/08 16:26 **Date Received..:** 11/19/08
Prep Date.....: 11/19/08 **Analysis Date..:** 11/21/08
Prep Batch #...: 8324426
Dilution Factor: 5 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	5.0	ug/L
bis(2-Chloroethyl)-ether	ND	5.0	ug/L
2-Chlorophenol	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
2-Methylphenol	ND	5.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	5.0	ug/L
4-Methylphenol	ND	5.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	5.0	ug/L
Hexachloroethane	ND	5.0	ug/L
Nitrobenzene	ND	5.0	ug/L
Isophorone	ND	5.0	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	5.0	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	1.0	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	25	ug/L
2,4,5-Trichloro-phenol	ND	25	ug/L
2-Chloronaphthalene	ND	5.0	ug/L
2-Nitroaniline	ND	10	ug/L
Dimethyl phthalate	ND	5.0	ug/L
Acenaphthylene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	25	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW13

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-004 Work Order #...: K29DH1AJ Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	10	ug/L
Acenaphthene	ND	1.0	ug/L
2,4-Dinitrophenol	ND	25	ug/L
4-Nitrophenol	ND	25	ug/L
Dibenzofuran	ND	5.0	ug/L
2,4-Dinitrotoluene	ND	25	ug/L
Diethyl phthalate	ND	5.0	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	1.0	ug/L
4-Nitroaniline	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	25	ug/L
N-Nitrosodiphenylamine	ND	5.0	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	25	ug/L
Phenanthrene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Carbazole	ND	5.0	ug/L
Di-n-butyl phthalate	ND	5.0	ug/L
Fluoranthene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L
Butyl benzyl phthalate	ND	5.0	ug/L
3,3'-Dichlorobenzidine	ND	25	ug/L
Benzo(a)anthracene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	5.0	ug/L
Benzo(b)fluoranthene	ND	1.0	ug/L
Benzo(k)fluoranthene	ND	1.0	ug/L
Benzo(a)pyrene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	1.0	ug/L
Benzo(ghi)perylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62 DIL	(27 - 111)
2-Fluorobiphenyl	45 DIL	(28 - 110)
Terphenyl-d14	91 DIL	(37 - 119)
Phenol-d5	22 DIL	(10 - 110)
2-Fluorophenol	37 DIL	(10 - 110)
2,4,6-Tribromophenol	67 DIL	(22 - 120)

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Environmental Resources Management Inc

Client Sample ID: MW13

GC/MS Semivolatiles

Lot-Sample #...: A8K190241-004 Work Order #...: K29DH1AJ Matrix.....: WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW13

GC/MS Semivolatiles

Lot-Sample #: A8K190241-004 **Work Order #:** K29DH1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		23 J	M	4.0258	ug/L
Unknown		13 J	M	4.0952	ug/L
Unknown		7.4 J	M	4.1807	ug/L
Unknown		27 J	M	4.2555	ug/L
Unknown		21 J	M	4.3036	ug/L
Unknown		68 J	M	4.4959	ug/L
Unknown		30 J	M	5.0515	ug/L
Unknown		5.2 J	M	5.5697	ug/L
Unknown		73 J	M	5.794	ug/L
Unknown		91 J	M	5.8261	ug/L
Unknown		4.9 J	M	6.0985	ug/L
Unknown		29 J	M	6.168	ug/L
Unknown		23 J	M	6.2161	ug/L
Unknown		16 J	M	6.3443	ug/L
Unknown		6.5 J	M	6.4297	ug/L
Unknown		5.6 J	M	7.4394	ug/L
Unknown		15 J	M	7.792	ug/L
Unknown		70 J	M	8.7803	ug/L
Unknown		16 J	M	8.9619	ug/L
Unknown		5.6 J	M	8.9886	ug/L
Unknown		32 J	M	9.0421	ug/L
Unknown		710 J	M	9.5442	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW13

TOTAL Metals

Lot-Sample #...: A8K190241-004 **Matrix.....:** WG
Date Sampled...: 11/18/08 16:26 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	**4.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DH1AK**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AN
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AP
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AU
		Dilution Factor: 1				
Nickel	**4.0 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DH1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AW
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AX
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29DH1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW13

DISSOLVED Metals

Lot-Sample #...: A8K190241-004 **Matrix.....:** WG
Date Sampled...: 11/18/08 16:26 **Date Received..:** 11/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8325015						
Arsenic	**6.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DH1A0**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A3
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A4
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AA
		Dilution Factor: 1				
Nickel	**3.3 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/20-11/21/08**	**K29DH1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AD
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K29DH1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K29DH1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8K190241-005 **Work Order #...:** K29DN1AA **Matrix.....:** WQ
Date Sampled...: 11/18/08 **Date Received..:** 11/19/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5.8 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8K190241-005 **Work Order #...:** K29DN1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**5.4**	**1.0**	**ug/L**
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

TRIP BLANK

GC/MS Volatiles

Lot-Sample #: A8K190241-005 **Work Order #:** K29DN1AA **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.6 J	M	4.2714	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

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QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K190241 **Work Order #...:** K3N2M1AA **Matrix.....:** WATER
MB Lot-Sample #: A8K260000-104

Prep Date.....: 11/25/08
Analysis Date..: 11/25/08 **Prep Batch #...:** 8331104
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**1.1 J**	**10**	**ug/L**	**SW846 8260B**
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Benzene	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
2-Butanone (MEK)	ND	10	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
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	**12 J**	**50**	**ug/L**	**SW846 8260B**
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K190241 **Work Order #...:** K3N2M1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	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
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	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
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: A8K260000-104 B **Work Order #:** K3N2M1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K190241 **Work Order #...:** K29GN1AA **Matrix.....:** WATER
MB Lot-Sample #: A8K190000-426

Prep Date.....: 11/19/08
Analysis Date..: 11/20/08 **Prep Batch #...:** 8324426
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K190241 **Work Order #...:** K29GN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	53	(27 - 111)
2-Fluorobiphenyl	34	(28 - 110)
Terphenyl-d14	82	(37 - 119)
Phenol-d5	28	(10 - 110)
2-Fluorophenol	42	(10 - 110)
2,4,6-Tribromophenol	67	(22 - 120)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K190241 **Work Order #...:** K29GN1AA **Matrix.....:** WATER

NOTE(S):

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

Environmental Resources Management Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: A8K190000-426 B **Work Order #:** K29GN1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.4 J	M	7.976	ug/L
Unknown		1.2 J	M	8.82	ug/L
Unknown		1.3 J	M	8.852	ug/L
Unknown		1.7 J	M	8.991	ug/L
Unknown		1.5 J	M	10.647	ug/L
Unknown		1.3 J	M	10.711	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A8K190241 **Matrix.....:** WATER

MB Lot-Sample #: A8K200000-015 **Prep Batch #...:** 8325015

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C3
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C4
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C5
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C6
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AE
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AK
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AR
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1AV
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K3AKT1A2
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A8K190241 **Matrix.....:** WATER

MB Lot-Sample #: A8K200000-015 **Prep Batch #...:** 8325015

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C7
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C8
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1C9
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DA
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DE
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DF
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DG
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DH
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DJ
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/20-11/21/08	K3AKT1DK
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/20/08	K3AKT1DL
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K190241 **Work Order #...:** K3N2M1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8K260000-104 K3N2M1AD-LCSD
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**6.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**93**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**3.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(63 - 130)**			**SW846 8260B**
	114	**(63 - 130)**	**14**	**(0-20)**	**SW846 8260B**
Toluene	**94**	**(74 - 119)**			**SW846 8260B**
	93	**(74 - 119)**	**0.55**	**(0-20)**	**SW846 8260B**
Trichloroethene	**83**	**(75 - 122)**			**SW846 8260B**
	87	**(75 - 122)**	**4.5**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	79	(61 - 128)
	85	(61 - 128)
Toluene-d8	99	(76 - 110)
	96	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	107	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K190241 **Work Order #...:** K29GN1AC **Matrix.....:** WATER
LCS Lot-Sample#: A8K190000-426
Prep Date.....: 11/19/08 **Analysis Date..:** 11/20/08
Prep Batch #...: 8324426
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**36**	**(14 - 112)**	**SW846 8270C**
2-Chlorophenol	**63**	**(27 - 110)**	**SW846 8270C**
1,4-Dichlorobenzene	**40**	**(19 - 110)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**66**	**(37 - 121)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**38**	**(25 - 110)**	**SW846 8270C**
4-Chloro-3-methylphenol	**70**	**(39 - 110)**	**SW846 8270C**
Acenaphthene	**55**	**(40 - 110)**	**SW846 8270C**
4-Nitrophenol	**34**	**(12 - 130)**	**SW846 8270C**
2,4-Dinitrotoluene	**76**	**(52 - 123)**	**SW846 8270C**
Pentachlorophenol	**49**	**(26 - 110)**	**SW846 8270C**
Pyrene	**77**	**(55 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(27 - 111)
2-Fluorobiphenyl	38	(28 - 110)
Terphenyl-d14	84	(37 - 119)
Phenol-d5	33	(10 - 110)
2-Fluorophenol	46	(10 - 110)
2,4,6-Tribromophenol	68	(22 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K190241 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A8K200000-015 **Prep Batch #...:** 8325015					
Arsenic	87	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1DV
Lead	89	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1DW
Selenium	92	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1DX
Thallium	87	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D0
Antimony	92	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1A4
Beryllium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1A6
Cadmium	88	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1A7
Chromium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1A9
Copper	89	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1CC
Nickel	84	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1CG
Silver	98	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1CJ
Zinc	90	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1CM
Mercury	116	(81 - 123)	SW846 7470A Dilution Factor: 1	11/20/08	K3AKT1CT

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K190241 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A8K200000-015 **Prep Batch #...:** 8325015					
Arsenic	87	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D1
Lead	89	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D2
Selenium	92	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D3
Thallium	87	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D4
Antimony	92	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D5
Beryllium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D6
Cadmium	88	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D7
Chromium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D8
Copper	89	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1D9
Nickel	84	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1EA
Silver	98	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1EC
Zinc	90	(80 - 120)	SW846 6010B Dilution Factor: 1	11/20-11/21/08	K3AKT1ED
Mercury	116	(81 - 123)	SW846 7470A Dilution Factor: 1	11/20/08	K3AKT1EE

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K190241 **Work Order #...:** K3EEX1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K210109-011 K3EEX1AD-MSD
Date Sampled...: 11/14/08 13:15 **Date Received..:** 11/21/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331104
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**100**	**(78 - 118)**			**SW846 8260B**
	94	**(78 - 118)**	**6.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	92	**(76 - 117)**	**6.1**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**113**	**(62 - 130)**			**SW846 8260B**
	106	**(62 - 130)**	**6.7**	**(0-20)**	**SW846 8260B**
Toluene	**101**	**(70 - 119)**			**SW846 8260B**
	94	**(70 - 119)**	**6.8**	**(0-20)**	**SW846 8260B**
Trichloroethene	**88**	**(62 - 130)**			**SW846 8260B**
	84	**(62 - 130)**	**4.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
	82	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	105	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K190241 **Work Order #...:** K2QGR1DN-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K120154-002 K2QGR1DP-MSD
Date Sampled...: 11/10/08 13:50 **Date Received..:** 11/12/08
Prep Date.....: 11/19/08 **Analysis Date..:** 11/20/08
Prep Batch #...: 8324426
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**43**	**(16 - 110)**			**SW846 8270C**
	40	**(16 - 110)**	**7.5**	**(0-30)**	**SW846 8270C**
2-Chlorophenol	**73**	**(26 - 110)**			**SW846 8270C**
	68	**(26 - 110)**	**7.2**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**51**	**(17 - 110)**			**SW846 8270C**
	47	**(17 - 110)**	**8.1**	**(0-30)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**79**	**(25 - 119)**			**SW846 8270C**
	74	**(25 - 119)**	**6.9**	**(0-30)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**44**	**(25 - 110)**			**SW846 8270C**
	41	**(25 - 110)**	**5.4**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**79**	**(33 - 110)**			**SW846 8270C**
	70	**(33 - 110)**	**11**	**(0-30)**	**SW846 8270C**
Acenaphthene	**65**	**(36 - 110)**			**SW846 8270C**
	61	**(36 - 110)**	**7.8**	**(0-30)**	**SW846 8270C**
4-Nitrophenol	**34**	**(13 - 127)**			**SW846 8270C**
	34	**(13 - 127)**	**0.80**	**(0-30)**	**SW846 8270C**
2,4-Dinitrotoluene	**87**	**(46 - 119)**			**SW846 8270C**
	82	**(46 - 119)**	**6.2**	**(0-30)**	**SW846 8270C**
Pentachlorophenol	**25**	**(23 - 110)**			**SW846 8270C**
	30	**(23 - 110)**	**19**	**(0-30)**	**SW846 8270C**
Pyrene	**87**	**(54 - 115)**			**SW846 8270C**
	82	**(54 - 115)**	**5.4**	**(0-30)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(27 - 111)
	69	(27 - 111)
2-Fluorobiphenyl	46	(28 - 110)
	44	(28 - 110)
Terphenyl-d14	110	(37 - 119)
	104	(37 - 119)
Phenol-d5	41	(10 - 110)
	38	(10 - 110)
2-Fluorophenol	60	(10 - 110)
	56	(10 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K190241 **Work Order #...:** K2QGR1DN-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K120154-002 K2QGR1DP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	73	(22 - 120)
	69	(22 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K190241 **Matrix.....:** WATER
Date Sampled...: 11/18/08 10:00 **Date Received..:** 11/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A8K190230-001 **Prep Batch #...:** 8325015							
Arsenic	96	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1EE
	100	(75 - 125)	3.3	(0-20)	SW846 6010B	11/20-11/21/08	K289M1EF
		Dilution Factor: 5					
Lead	95	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1EH
	99	(75 - 125)	4.1	(0-20)	SW846 6010B	11/20-11/21/08	K289M1EJ
		Dilution Factor: 5					
Selenium	102	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1EL
	106	(75 - 125)	3.2	(0-20)	SW846 6010B	11/20-11/21/08	K289M1EM
		Dilution Factor: 5					
Thallium	94	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1EP
	98	(75 - 125)	3.6	(0-20)	SW846 6010B	11/20-11/21/08	K289M1EQ
		Dilution Factor: 5					
Antimony	100	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1A7
	104	(75 - 125)	4.0	(0-20)	SW846 6010B	11/20-11/21/08	K289M1A8
		Dilution Factor: 5					
Beryllium	97	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1CC
	100	(75 - 125)	3.0	(0-20)	SW846 6010B	11/20-11/21/08	K289M1CD
		Dilution Factor: 5					
Cadmium	96	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1CE
	100	(75 - 125)	3.4	(0-20)	SW846 6010B	11/20-11/21/08	K289M1CF
		Dilution Factor: 5					
Chromium	100	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1CJ
	103	(75 - 125)	2.9	(0-20)	SW846 6010B	11/20-11/21/08	K289M1CK
		Dilution Factor: 5					
Copper	99	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1CN
	102	(75 - 125)	2.9	(0-20)	SW846 6010B	11/20-11/21/08	K289M1CP
		Dilution Factor: 5					
Nickel	91	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1CX
	94	(75 - 125)	3.3	(0-20)	SW846 6010B	11/20-11/21/08	K289M1C0
		Dilution Factor: 5					

(Continued on next page)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
ERM	Jerry JACOBS		000688
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
30775 Bainbridge Rd Suite 180	440-542-0750 3 440-542-0753		
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**		
SOLON / OH / 44139		MAT OMERA	
Project Name and Location (State)	**Carrier/Waybill Number**		
GREINERS LAGOON, Ballville Twsp, OH	UPS J215 708092 1		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed): VOCs	SVOCs	Total metals	Dissolved metals	Special Instructions/ Conditions of Receipt
MW10	11/18/08	0817		✓			2		2	3			✓	✓	✓	✓	
MW15	11/18/08	0945		✓			2		2	3			✓	✓	✓	✓	
MW14	11/18/08	1430		✓			2		2	3			✓	✓	✓	✓	
MW13	11/18/08	1626		✓			2		2	3			✓	✓	✓	✓	
~~FIELD~~ TRIP BLANK	–	–		✓						2			✓				

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. AARON FREDERICK	11/18/08	1730	1. UPS	11/18/08	1730
2.			2. Gerry Bruno	11/19/08	10:00
3.			3.		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K190241 **Matrix.....:** WATER

Date Sampled...: 11/18/08 10:00 **Date Received..:** 11/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	106	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1C3
	111	(75 - 125)	5.3	(0-20)	SW846 6010B	11/20-11/21/08	K289M1C4
		Dilution Factor: 5					
Zinc	104	(75 - 125)			SW846 6010B	11/20-11/21/08	K289M1C9
	106	(75 - 125)	2.2	(0-20)	SW846 6010B	11/20-11/21/08	K289M1DA
		Dilution Factor: 5					
Mercury	135 N	(69 - 134)			SW846 7470A	11/20/08	K289M1DL
	140 N	(69 - 134)	1.2	(0-20)	SW846 7470A	11/20/08	K289M1DM
		Dilution Factor: 10					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** A8K190241
North Canton Facility

Client EEM Project Greingers By: Terry Burns
Cooler Received on 11/19/08 Opened on 11/19/08 (Signature)
FedEx ☐ UPS ☒ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # A42 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 1 Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☒ No ☐ NA ☐
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other _____
6. Cooler temperature upon receipt 0.4 °C See back of form for multiple coolers/temps ☐
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM DJO Date 11/19/08 by TB via Verbal ☒ Voice Mail ☐ Other ☐
Concerning #14

14. CHAIN OF CUSTODY

The following discrepancies occurred:
2 liters labels fell off - 1 l each missing MW-10 + MW-14 - unsure which liter goes w/ MW-10 or MW-14 - will log 1 l w/ each ID + archive the unlabeled liters.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 100108-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN/NaOH$.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
MW-10	<2, <2	11/19/08	TB
13	<2, <2		
14	<2, <2		
15	<2, <2		

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

TestAmerica
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END OF REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

GREINERS LAGOON, BALLVILLE OH

Lot #: A8K200156

Jerome Jacobs, PE

ERM Inc
30775 Bainbridge Road
Suite 180
Solon, OH 44139

TESTAMERICA LABORATORIES, INC.

Patrick O'Meara

Approved for release.
Patrick O'Meara
Project Manager
12/16/2008 11:56 AM

Patrick J. O'Meara
Project Manager
patrick.omeara@testamericainc.com

December 16, 2008

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330)497-9396 Fax (330)497-0772 www.testamericainc.com

CASE NARRATIVE

A8K200156

The following report contains the analytical results for seven water samples and one quality control sample submitted to TestAmerica North Canton by ERM Inc. from the Greiners Lagoon, Ballville OH Site. The samples were received November 20, 2008, 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.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

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.

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, Patrick J. O'Meara, 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 temperatures of the coolers upon sample receipt were 1.5 and 1.6°C.

CASE NARRATIVE (continued)

SAMPLE RECEIVING (continued)

See TestAmerica's Cooler Receipt Form for additional information.

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) MW9, MW9 DUPLICATE, MW12, and MW11 had elevated reporting limits due to foaming.

GC/MS SEMIVOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 8325422. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

Sample(s) MW9, MW9 DUPLICATE, MW12, and MW11 had elevated reporting limits due to matrix interferences.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

CASE NARRATIVE (continued)

METALS (continued)

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

The CCV exceeded method criteria on the high side for Nickel. Since sample(s) EQUIPMENT BLANK, MW9, MW9 DUPLICATE, MW11, MW1, and MW3 results were below the requested reporting limit the results were accepted.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton 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.

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, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the 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 North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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EXECUTIVE SUMMARY - Detection Highlights

A8K200156

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EQUIPMENT BLANK 11/19/08 08:23 001				
Thallium	5.9 B	10.0	ug/L	SW846 6010B
Antimony	3.5 B,J	60.0	ug/L	SW846 6010B
Beryllium	1.0 B,J	5.0	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	1.1 J,B	2.0	ug/L	SW846 8270C
MW9 11/19/08 10:02 002				
Arsenic - DISSOLVED	19.8	10.0	ug/L	SW846 6010B
Thallium - DISSOLVED	8.7 B	10.0	ug/L	SW846 6010B
Antimony - DISSOLVED	5.4 B,J	60.0	ug/L	SW846 6010B
Beryllium - DISSOLVED	1.1 B,J	5.0	ug/L	SW846 6010B
Nickel - DISSOLVED	8.0 B	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	9.7 B	20.0	ug/L	SW846 6010B
Arsenic	18.4	10.0	ug/L	SW846 6010B
Thallium	5.6 B	10.0	ug/L	SW846 6010B
Beryllium	1.1 B,J	5.0	ug/L	SW846 6010B
Nickel	10.2 B	40.0	ug/L	SW846 6010B
Zinc	19.4 B	20.0	ug/L	SW846 6010B
Acetone	18 J	100	ug/L	SW846 8260B
Methylene chloride	18	10	ug/L	SW846 8260B
MW9 DUPLICATE 11/19/08 10:02 003				
Arsenic - DISSOLVED	22.3	10.0	ug/L	SW846 6010B
Thallium - DISSOLVED	7.2 B	10.0	ug/L	SW846 6010B
Antimony - DISSOLVED	3.6 B,J	60.0	ug/L	SW846 6010B
Beryllium - DISSOLVED	1.1 B,J	5.0	ug/L	SW846 6010B
Nickel - DISSOLVED	8.3 B	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	8.6 B	20.0	ug/L	SW846 6010B
Arsenic	16.5	10.0	ug/L	SW846 6010B
Thallium	5.9 B	10.0	ug/L	SW846 6010B
Antimony	5.2 B,J	60.0	ug/L	SW846 6010B
Beryllium	1.1 B,J	5.0	ug/L	SW846 6010B
Nickel	7.7 B	40.0	ug/L	SW846 6010B
Zinc	7.0 B	20.0	ug/L	SW846 6010B
Acetone	23 J	100	ug/L	SW846 8260B
Methylene chloride	10	10	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A8K200156

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW12 11/19/08 11:27 004				
Thallium - DISSOLVED	4.9 B	10.0	ug/L	SW846 6010B
Nickel - DISSOLVED	40.0	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	15.2 B,J	20.0	ug/L	SW846 6010B
Thallium	5.5 B	10.0	ug/L	SW846 6010B
Beryllium	1.2 B,J	5.0	ug/L	SW846 6010B
Nickel	45.3	40.0	ug/L	SW846 6010B
Zinc	18.1 B	20.0	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	4.5 J,B	8.0	ug/L	SW846 8270C
Acetone	8.7 J	20	ug/L	SW846 8260B
Methylene chloride	2.2	2.0	ug/L	SW846 8260B
MW11 11/19/08 11:54 005				
Arsenic - DISSOLVED	5.3 B	10.0	ug/L	SW846 6010B
Antimony - DISSOLVED	2.6 B,J	60.0	ug/L	SW846 6010B
Beryllium - DISSOLVED	1.2 B,J	5.0	ug/L	SW846 6010B
Nickel - DISSOLVED	26.0 B	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	10.7 B	20.0	ug/L	SW846 6010B
Arsenic	5.2 B	10.0	ug/L	SW846 6010B
Thallium	5.6 B	10.0	ug/L	SW846 6010B
Antimony	3.2 B,J	60.0	ug/L	SW846 6010B
Beryllium	1.2 B,J	5.0	ug/L	SW846 6010B
Nickel	25.6 B	40.0	ug/L	SW846 6010B
Zinc	6.9 B	20.0	ug/L	SW846 6010B
Acetone	37	20	ug/L	SW846 8260B
2-Butanone (MEK)	3.1 J	20	ug/L	SW846 8260B
Methylene chloride	2.6	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	4.6 J	20	ug/L	SW846 8260B
MW1 11/19/08 14:35 006				
Beryllium - DISSOLVED	1.1 B,J	5.0	ug/L	SW846 6010B
Zinc - DISSOLVED	7.1 B	20.0	ug/L	SW846 6010B
Beryllium	1.1 B,J	5.0	ug/L	SW846 6010B
Zinc	10.5 B	20.0	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	1.3 J,B	2.0	ug/L	SW846 8270C

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A8K200156

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW3 11/19/08 16:12 007				
Antimony - DISSOLVED	3.6 B,J	60.0	ug/L	SW846 6010B
Beryllium - DISSOLVED	1.2 B,J	5.0	ug/L	SW846 6010B
Zinc - DISSOLVED	5.1 B	20.0	ug/L	SW846 6010B
Beryllium	1.1 B,J	5.0	ug/L	SW846 6010B
Acetone	6.4 J	10	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	0.87 J	10	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A8K200156

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
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

A8K200156

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K3A80	001	EQUIPMENT BLANK	11/19/08	08:23
K3A9G	002	MW9	11/19/08	10:02
K3A9V	003	MW9 DUPLICATE	11/19/08	10:02
K3CAE	004	MW12	11/19/08	11:27
K3CAG	005	MW11	11/19/08	11:54
K3CAM	006	MW1	11/19/08	14:35
K3CAQ	007	MW3	11/19/08	16:12
K3CAT	008	TRIP BLANK	11/19/08	

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.

Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK

GC/MS Volatiles

Lot-Sample #...: A8K200156-001 **Work Order #...:** K3A801A6 **Matrix.....:** WQ
Date Sampled...: 11/19/08 08:23 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK

GC/MS Volatiles

Lot-Sample #...: A8K200156-001 **Work Order #...:** K3A801A6 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	85	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

Environmental Resources Management Inc

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GC/MS Volatiles

Lot-Sample #: A8K200156-001 **Work Order #:** K3A801A6 **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-001 **Work Order #...:** K3A801A7 **Matrix.....:** WQ
Date Sampled...: 11/19/08 08:23 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-001 **Work Order #...:** K3A801A7 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 J,B**	**2.0**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62	(27 - 111)
2-Fluorobiphenyl	55	(28 - 110)
Terphenyl-d14	63	(37 - 119)
Phenol-d5	22	(10 - 110)
2-Fluorophenol	39	(10 - 110)
2,4,6-Tribromophenol	49	(22 - 120)

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Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-001 **Work Order #...:** K3A801A7 **Matrix.....:** WQ

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

EQUIPMENT BLANK

GC/MS Semivolatiles

Lot-Sample #: A8K200156-001 **Work Order #:** K3A801A7 **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK

TOTAL Metals

Lot-Sample #...: A8K200156-001 **Matrix.....:** WQ
Date Sampled...: 11/19/08 08:23 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AD
		Dilution Factor: 1				
Thallium	**5.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A801AE**
		Dilution Factor: 1				
Antimony	**3.5 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A801AF**
		Dilution Factor: 1				
Beryllium	**1.0 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A801AG**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AK
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AM
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/21-11/24/08	K3A801AN
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3A801A4
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW9

GC/MS Volatiles

Lot-Sample #...: A8K200156-002 **Work Order #...:** K3A9G1AH **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 10 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**18 J**	**100**	**ug/L**
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Allyl chloride	ND	20	ug/L
Benzene	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone (MEK)	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
1,2-Dibromo-3-chloro-propane	ND	20	ug/L
1,2-Dibromoethane (EDB)	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
Dichlorodifluoromethane	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
trans-1,2-Dichloroethene	ND	10	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	ND	2000	ug/L
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutyl alcohol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW9

GC/MS Volatiles

Lot-Sample #...: A8K200156-002 **Work Order #...:** K3A9G1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**18**	**10**	**ug/L**
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone (MIBK)	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	ND	10	ug/L
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW9

GC/MS Volatiles

Lot-Sample #: A8K200156-002 **Work Order #:** K3A9G1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
tert-Butyl Alcohol		4800	Q	3.171	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

Environmental Resources Management Inc

Client Sample ID: MW9

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-002 **Work Order #...:** K3A9G1AJ **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 20 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	20	ug/L
bis(2-Chloroethyl)-ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propyl-amine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	40	ug/L
2,4-Dimethylphenol	ND	40	ug/L
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	40	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
Naphthalene	ND	4.0	ug/L
4-Chloroaniline	ND	40	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	40	ug/L
2-Methylnaphthalene	ND	4.0	ug/L
Hexachlorocyclopenta-diene	ND	200	ug/L
2,4,6-Trichloro-phenol	ND	100	ug/L
2,4,5-Trichloro-phenol	ND	100	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	40	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	4.0	ug/L
2,6-Dinitrotoluene	ND	100	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW9

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-002 **Work Order #...:** K3A9G1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	40	ug/L
Acenaphthene	ND	4.0	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	100	ug/L
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	40	ug/L
Fluorene	ND	4.0	ug/L
4-Nitroaniline	ND	40	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	40	ug/L
Hexachlorobenzene	ND	4.0	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	4.0	ug/L
Anthracene	ND	4.0	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	4.0	ug/L
Pyrene	ND	4.0	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Chrysene	ND	4.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	40	ug/L
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	86 DIL	(27 - 111)
2-Fluorobiphenyl	109 DIL	(28 - 110)
Terphenyl-d14	93 DIL	(37 - 119)
Phenol-d5	24 DIL	(10 - 110)
2-Fluorophenol	42 DIL	(10 - 110)
2,4,6-Tribromophenol	134 DIL,*	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW9

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-002 **Work Order #...:** K3A9G1AJ **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Environmental Resources Management Inc

MW9

GC/MS Semivolatiles

Lot-Sample #: A8K200156-002 **Work Order #:** K3A9G1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		150 J	M	3.7758	ug/L
Unknown		23 J	M	3.917	ug/L
Unknown		67 J	M	4.0582	ug/L
Unknown		1200 J	M	4.1111	ug/L
Unknown		1100 J	M	5.364	ug/L
Unknown		690 J	M	5.3934	ug/L
Unknown		510 J	M	5.7287	ug/L
Unknown		140 J	M	5.7757	ug/L
Unknown		440 J	M	5.9051	ug/L
Unknown		24 J	M	6.1639	ug/L
Unknown		24 J	M	6.1874	ug/L
Unknown		19 J	M	6.3463	ug/L
Unknown		16 J	M	6.4757	ug/L
Unknown		18 J	M	6.5404	ug/L
Unknown		20 J	M	6.5992	ug/L
Unknown		21 J	M	6.6698	ug/L
Unknown		26 J	M	6.7109	ug/L
Unknown		56 J	M	6.8521	ug/L
Unknown		18 J	M	7.0286	ug/L
Unknown		97 J	M	8.5873	ug/L
Unknown		79 J	M	8.8226	ug/L
Unknown		90 J	M	8.9579	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW9

TOTAL Metals

Lot-Sample #...: A8K200156-002 Matrix.....: WG
Date Sampled...: 11/19/08 10:02 Date Received..: 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	**18.4**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AK**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AM
		Dilution Factor: 1				
Thallium	**5.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AN**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AP
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AQ**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AU
		Dilution Factor: 1				
Nickel	**10.2 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AW
		Dilution Factor: 1				
Zinc	**19.4 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AX**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3A9G1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW9

DISSOLVED Metals

Lot-Sample #...: A8K200156-002 Matrix.....: WG
Date Sampled...: 11/19/08 10:02 Date Received..: 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	**19.8**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1A0**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1A2
		Dilution Factor: 1				
Thallium	**8.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1A3**
		Dilution Factor: 1				
Antimony	**5.4 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1A4**
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1A5**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AA
		Dilution Factor: 1				
Nickel	**8.0 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9G1AD
		Dilution Factor: 1				
Zinc	**9.7 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9G1AE**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3A9G1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A8K200156-003 **Work Order #...:** K3A9V1AR **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 10 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**23 J**	**100**	**ug/L**
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Allyl chloride	ND	20	ug/L
Benzene	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone (MEK)	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
1,2-Dibromo-3-chloro-propane	ND	20	ug/L
1,2-Dibromoethane (EDB)	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
Dichlorodifluoromethane	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
trans-1,2-Dichloroethene	ND	10	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	ND	2000	ug/L
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutyl alcohol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A8K200156-003 **Work Order #...:** K3A9V1AR **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**10**	**10**	**ug/L**
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone (MIBK)	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	ND	10	ug/L
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW9 DUPLICATE

GC/MS Volatiles

Lot-Sample #: A8K200156-003 **Work Order #:** K3A9V1AR **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
tert-Butyl Alcohol		4600	Q	3.171	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-003 **Work Order #...:** K3A9V1AT **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 20 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	20	ug/L
bis(2-Chloroethyl)-ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propyl-amine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	40	ug/L
2,4-Dimethylphenol	ND	40	ug/L
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	40	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
Naphthalene	ND	4.0	ug/L
4-Chloroaniline	ND	40	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	40	ug/L
2-Methylnaphthalene	ND	4.0	ug/L
Hexachlorocyclopenta-diene	ND	200	ug/L
2,4,6-Trichloro-phenol	ND	100	ug/L
2,4,5-Trichloro-phenol	ND	100	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	40	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	4.0	ug/L
2,6-Dinitrotoluene	ND	100	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-003 Work Order #...: K3A9V1AT Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	40	ug/L
Acenaphthene	ND	4.0	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	100	ug/L
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	40	ug/L
Fluorene	ND	4.0	ug/L
4-Nitroaniline	ND	40	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	40	ug/L
Hexachlorobenzene	ND	4.0	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	4.0	ug/L
Anthracene	ND	4.0	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	4.0	ug/L
Pyrene	ND	4.0	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Chrysene	ND	4.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	40	ug/L
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64 DIL	(27 - 111)
2-Fluorobiphenyl	97 DIL	(28 - 110)
Terphenyl-d14	79 DIL	(37 - 119)
Phenol-d5	25 DIL	(10 - 110)
2-Fluorophenol	47 DIL	(10 - 110)
2,4,6-Tribromophenol	110 DIL	(22 - 120)

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Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-003 Work Order #...: K3A9V1AT Matrix.....: WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW9 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #: A8K200156-003 **Work Order #:** K3A9V1AT **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Unknown		180 J	M 3.7758	ug/L
Unknown		23 J	M 3.917	ug/L
Unknown		1200 J	M 4.1111	ug/L
Unknown		19 J	M 4.364	ug/L
Unknown		42 J	M 4.4287	ug/L
Unknown		93 J	M 4.5287	ug/L
Unknown		62 J	M 4.7698	ug/L
Unknown		870 J	M 5.358	ug/L
Unknown		640 J	M 5.3933	ug/L
Unknown		630 J	M 5.7286	ug/L
Unknown		19 J	M 6.7109	ug/L
Unknown		59 J	M 6.8521	ug/L
Unknown		85 J	M 8.5814	ug/L
Unknown		73 J	M 8.8166	ug/L
Unknown		87 J	M 8.9578	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

TOTAL Metals

Lot-Sample #...: A8K200156-003 **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	**16.5**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AU**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AV
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AW
		Dilution Factor: 1				
Thallium	**5.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AX**
		Dilution Factor: 1				
Antimony	**5.2 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1A0**
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1A1**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1A3
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1A4
		Dilution Factor: 1				
Nickel	**7.7 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1A5**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1A6
		Dilution Factor: 1				
Zinc	**7.0 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1A7**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3A9V1AP
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW9 DUPLICATE

DISSOLVED Metals

Lot-Sample #...: A8K200156-003 **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	**22.3**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AA**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AD
		Dilution Factor: 1				
Thallium	**7.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AE**
		Dilution Factor: 1				
Antimony	**3.6 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AF**
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AG**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AK
		Dilution Factor: 1				
Nickel	**8.3 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AL**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3A9V1AM
		Dilution Factor: 1				
Zinc	**8.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3A9V1AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3A9V1AQ
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW12

GC/MS Volatiles

Lot-Sample #...: A8K200156-004 **Work Order #...:** K3CAE1AR **Matrix.....:** WG
Date Sampled...: 11/19/08 11:27 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**8.7 J**	**20**	**ug/L**
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Allyl chloride	ND	4.0	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,4-Dioxane	ND	400	ug/L
Ethylbenzene	ND	2.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutyl alcohol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW12

GC/MS Volatiles

Lot-Sample #...: A8K200156-004 **Work Order #...:** K3CAE1AR **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**2.2**	**2.0**	**ug/L**
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Propionitrile	ND	8.0	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
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	86	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW12

GC/MS Volatiles

Lot-Sample #: A8K200156-004 **Work Order #:** K3CAE1AR **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
tert-Butyl Alcohol		710	Q	3.171	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

Environmental Resources Management Inc

Client Sample ID: MW12

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-004 **Work Order #...:** K3CAE1AT **Matrix.....:** WG
Date Sampled...: 11/19/08 11:27 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 4 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	4.0	ug/L
bis(2-Chloroethyl)-ether	ND	4.0	ug/L
2-Chlorophenol	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
2-Methylphenol	ND	4.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	4.0	ug/L
4-Methylphenol	ND	4.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	4.0	ug/L
Hexachloroethane	ND	4.0	ug/L
Nitrobenzene	ND	4.0	ug/L
Isophorone	ND	4.0	ug/L
2-Nitrophenol	ND	8.0	ug/L
2,4-Dimethylphenol	ND	8.0	ug/L
bis(2-Chloroethoxy) methane	ND	4.0	ug/L
2,4-Dichlorophenol	ND	8.0	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
Naphthalene	ND	0.80	ug/L
4-Chloroaniline	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
4-Chloro-3-methylphenol	ND	8.0	ug/L
2-Methylnaphthalene	ND	0.80	ug/L
Hexachlorocyclopenta-diene	ND	40	ug/L
2,4,6-Trichloro-phenol	ND	20	ug/L
2,4,5-Trichloro-phenol	ND	20	ug/L
2-Chloronaphthalene	ND	4.0	ug/L
2-Nitroaniline	ND	8.0	ug/L
Dimethyl phthalate	ND	4.0	ug/L
Acenaphthylene	ND	0.80	ug/L
2,6-Dinitrotoluene	ND	20	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW12

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-004 **Work Order #...:** K3CAE1AT **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	8.0	ug/L
Acenaphthene	ND	0.80	ug/L
2,4-Dinitrophenol	ND	20	ug/L
4-Nitrophenol	ND	20	ug/L
Dibenzofuran	ND	4.0	ug/L
2,4-Dinitrotoluene	ND	20	ug/L
Diethyl phthalate	ND	4.0	ug/L
4-Chlorophenyl phenyl ether	ND	8.0	ug/L
Fluorene	ND	0.80	ug/L
4-Nitroaniline	ND	8.0	ug/L
4,6-Dinitro-2-methylphenol	ND	20	ug/L
N-Nitrosodiphenylamine	ND	4.0	ug/L
4-Bromophenyl phenyl ether	ND	8.0	ug/L
Hexachlorobenzene	ND	0.80	ug/L
Pentachlorophenol	ND	20	ug/L
Phenanthrene	ND	0.80	ug/L
Anthracene	ND	0.80	ug/L
Carbazole	ND	4.0	ug/L
Di-n-butyl phthalate	ND	4.0	ug/L
Fluoranthene	ND	0.80	ug/L
Pyrene	ND	0.80	ug/L
Butyl benzyl phthalate	ND	4.0	ug/L
3,3'-Dichlorobenzidine	ND	20	ug/L
Benzo(a)anthracene	ND	0.80	ug/L
Chrysene	ND	0.80	ug/L
bis(2-Ethylhexyl) phthalate	**4.5 J,B**	**8.0**	**ug/L**
Di-n-octyl phthalate	ND	4.0	ug/L
Benzo(b)fluoranthene	ND	0.80	ug/L
Benzo(k)fluoranthene	ND	0.80	ug/L
Benzo(a)pyrene	ND	0.80	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.80	ug/L
Dibenz(a,h)anthracene	ND	0.80	ug/L
Benzo(ghi)perylene	ND	0.80	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61 DIL	(27 - 111)
2-Fluorobiphenyl	54 DIL	(28 - 110)
Terphenyl-d14	75 DIL	(37 - 119)
Phenol-d5	20 DIL	(10 - 110)
2-Fluorophenol	42 DIL	(10 - 110)
2,4,6-Tribromophenol	72 DIL	(22 - 120)

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Environmental Resources Management Inc

Client Sample ID: MW12

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-004 **Work Order #...:** K3CAE1AT **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

MW12

GC/MS Semivolatiles

Lot-Sample #: A8K200156-004 **Work Order #:** K3CAE1AT **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		12 J	M	4.4524	ug/L
Unknown		69 J	M	4.6347	ug/L
Unknown		6.5 J	M	4.7347	ug/L
Unknown		5.7 J	M	5.1465	ug/L
Unknown		91 J	M	5.3641	ug/L
Unknown		39 J	M	5.3935	ug/L
Unknown		110 J	M	5.6759	ug/L
Unknown		14 J	M	5.7406	ug/L
Unknown		7.0 J	M	5.87	ug/L
Unknown		4.4 J	M	6.3582	ug/L
Unknown		3.3 J	M	6.4758	ug/L
Unknown		5.5 J	M	6.7111	ug/L
Unknown		7.7 J	M	7.3875	ug/L
Unknown		6.8 J	M	7.5169	ug/L
Unknown		21 J	M	7.6463	ug/L
Unknown		9.4 J	M	7.8463	ug/L
Unknown		16 J	M	8.0581	ug/L
Unknown		26 J	M	8.3933	ug/L
Unknown		36 J	M	8.5698	ug/L
Unknown		15 J	M	8.6462	ug/L
Unknown		43 J	M	9.005	ug/L
Unknown		330 J	M	9.1521	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW12

TOTAL Metals

Lot-Sample #...: A8K200156-004 **Matrix.....:** WG
Date Sampled...: 11/19/08 11:27 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1AU
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1AV
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1AW
		Dilution Factor: 1				
Thallium	**5.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAE1AX**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1A0
		Dilution Factor: 1				
Beryllium	**1.2 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAE1A1**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1A3
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1A4
		Dilution Factor: 1				
Nickel	**45.3**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/25/08**	**K3CAE1A5**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAE1A6
		Dilution Factor: 1				
Zinc	**18.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAE1A7**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAE1AP
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW12

DISSOLVED Metals

Lot-Sample #...: A8K200156-004 **Matrix.....:** WG
Date Sampled...: 11/19/08 11:27 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8339014						
Arsenic	ND	10.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1A8
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1A9
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CA
		Dilution Factor: 1				
Thallium	**4.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**12/04-12/09/08**	**K3CAE1CC**
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CD
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CE
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CG
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CH
		Dilution Factor: 1				
Nickel	**40.0**	**40.0**	**ug/L**	**SW846 6010B**	**12/04-12/09/08**	**K3CAE1CJ**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	12/04-12/09/08	K3CAE1CK
		Dilution Factor: 1				
Zinc	**15.2 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**12/04-12/09/08**	**K3CAE1CL**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	12/04-12/05/08	K3CAE1CM
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW11

GC/MS Volatiles

Lot-Sample #...: A8K200156-005 **Work Order #...:** K3CAG1AR **Matrix.....:** WG
Date Sampled...: 11/19/08 11:54 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**37**	**20**	**ug/L**
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Allyl chloride	ND	4.0	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	**3.1 J**	**20**	**ug/L**
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,4-Dioxane	ND	400	ug/L
Ethylbenzene	ND	2.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutyl alcohol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW11

GC/MS Volatiles

Lot-Sample #...: A8K200156-005 **Work Order #...:** K3CAG1AR **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**2.6**	**2.0**	**ug/L**
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	**4.6 J**	**20**	**ug/L**
Propionitrile	ND	8.0	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
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW11

GC/MS Volatiles

Lot-Sample #: A8K200156-005 **Work Order #:** K3CAG1AR **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
tert-Butyl Alcohol		950	Q	3.171	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

Environmental Resources Management Inc

Client Sample ID: MW11

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-005 **Work Order #...:** K3CAG1AT **Matrix.....:** WG
Date Sampled...: 11/19/08 11:54 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 20 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	20	ug/L
bis(2-Chloroethyl)-ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propyl-amine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	40	ug/L
2,4-Dimethylphenol	ND	40	ug/L
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	40	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
Naphthalene	ND	4.0	ug/L
4-Chloroaniline	ND	40	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	40	ug/L
2-Methylnaphthalene	ND	4.0	ug/L
Hexachlorocyclopenta-diene	ND	200	ug/L
2,4,6-Trichloro-phenol	ND	100	ug/L
2,4,5-Trichloro-phenol	ND	100	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	40	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	4.0	ug/L
2,6-Dinitrotoluene	ND	100	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW11

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-005 **Work Order #...:** K3CAG1AT **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	40	ug/L
Acenaphthene	ND	4.0	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	100	ug/L
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	40	ug/L
Fluorene	ND	4.0	ug/L
4-Nitroaniline	ND	40	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	40	ug/L
Hexachlorobenzene	ND	4.0	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	4.0	ug/L
Anthracene	ND	4.0	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	4.0	ug/L
Pyrene	ND	4.0	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Chrysene	ND	4.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	40	ug/L
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50 DIL	(27 - 111)
2-Fluorobiphenyl	88 DIL	(28 - 110)
Terphenyl-d14	70 DIL	(37 - 119)
Phenol-d5	15 DIL	(10 - 110)
2-Fluorophenol	37 DIL	(10 - 110)
2,4,6-Tribromophenol	115 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW11

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-005 **Work Order #...:** K3CAG1AT **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW11

GC/MS Semivolatiles

Lot-Sample #: A8K200156-005 **Work Order #:** K3CAG1AT **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		69 J	M	4.0995	ug/L
Unknown		89 J	M	4.6877	ug/L
Unknown		670 J	M	5.3582	ug/L
Unknown		360 J	M	5.3935	ug/L
Unknown		300 J	M	5.7288	ug/L
Unknown		230 J	M	5.9052	ug/L
Unknown		29 J	M	6.7052	ug/L
Unknown		39 J	M	8.3816	ug/L
Unknown		35 J	M	8.558	ug/L
Unknown		33 J	M	8.6404	ug/L
Unknown		1200 J	M	9.1403	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW11

TOTAL Metals

Lot-Sample #...: A8K200156-005 **Matrix.....:** WG
Date Sampled...: 11/19/08 11:54 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	**5.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AU**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AV
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AW
		Dilution Factor: 1				
Thallium	**5.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AX**
		Dilution Factor: 1				
Antimony	**3.2 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1A0**
		Dilution Factor: 1				
Beryllium	**1.2 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1A1**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1A3
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1A4
		Dilution Factor: 1				
Nickel	**25.6 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1A5**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1A6
		Dilution Factor: 1				
Zinc	**6.9 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1A7**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAG1AP
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW11

DISSOLVED Metals

Lot-Sample #...: A8K200156-005 **Matrix.....:** WG
Date Sampled...: 11/19/08 11:54 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	**5.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AA**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AE
		Dilution Factor: 1				
Antimony	**2.6 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AF**
		Dilution Factor: 1				
Beryllium	**1.2 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AG**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AK
		Dilution Factor: 1				
Nickel	**26.0 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AL**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAG1AM
		Dilution Factor: 1				
Zinc	**10.7 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAG1AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAG1AQ
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW1

GC/MS Volatiles

Lot-Sample #...: A8K200156-006 **Work Order #...:** K3CAM1AR **Matrix.....:** WG
Date Sampled...: 11/19/08 14:35 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW1

GC/MS Volatiles

Lot-Sample #...: A8K200156-006 **Work Order #...:** K3CAM1AR **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	84	(76 - 110)
4-Bromofluorobenzene	75	(74 - 116)

Environmental Resources Management Inc

MW1

GC/MS Volatiles

Lot-Sample #: A8K200156-006 **Work Order #:** K3CAM1AR **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: MW1

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-006 **Work Order #...:** K3CAM1AT **Matrix.....:** WG
Date Sampled...: 11/19/08 14:35 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW1

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-006 **Work Order #...:** K3CAM1AT **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.3 J,B**	**2.0**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	59	(27 - 111)
2-Fluorobiphenyl	47	(28 - 110)
Terphenyl-d14	75	(37 - 119)
Phenol-d5	20	(10 - 110)
2-Fluorophenol	37	(10 - 110)
2,4,6-Tribromophenol	57	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW1

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-006 **Work Order #...:** K3CAM1AT **Matrix.....:** WG

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

MW1

GC/MS Semivolatiles

Lot-Sample #: A8K200156-006 **Work Order #:** K3CAM1AT **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.0 J	M	4.0993	ug/L
Unknown		1.6 J	M	7.5108	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW1

TOTAL Metals

Lot-Sample #...: A8K200156-006 **Matrix.....:** WG
Date Sampled...: 11/19/08 14:35 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AU
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AV
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AW
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AX
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1A0
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAM1A1**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1A3
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1A4
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1A5
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1A6
		Dilution Factor: 1				
Zinc	**10.5 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAM1A7**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAM1AP
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW1

DISSOLVED Metals

Lot-Sample #...: A8K200156-006 **Matrix.....:** WG
Date Sampled...: 11/19/08 14:35 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AE
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AF
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAM1AG**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AK
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAM1AM
		Dilution Factor: 1				
Zinc	**7.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAM1AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAM1AQ
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW3

GC/MS Volatiles

Lot-Sample #...: A8K200156-007 **Work Order #...:** K3CAQ1AR **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**6.4 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW3

GC/MS Volatiles

Lot-Sample #...: A8K200156-007 **Work Order #...:** K3CAQ1AR **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	**0.87 J**	**10**	**ug/L**
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW3

GC/MS Volatiles

Lot-Sample #: A8K200156-007 **Work Order #:** K3CAQ1AR **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: MW3

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-007 **Work Order #...:** K3CAQ1AT **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/20/08
Prep Date.....: 11/20/08 **Analysis Date..:** 11/30/08
Prep Batch #...: 8325422
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW3

GC/MS Semivolatiles

Lot-Sample #...: A8K200156-007 Work Order #...: K3CAQ1AT Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	61	(27 - 111)
2-Fluorobiphenyl	45	(28 - 110)
Terphenyl-d14	75	(37 - 119)
Phenol-d5	30	(10 - 110)
2-Fluorophenol	44	(10 - 110)
2,4,6-Tribromophenol	76	(22 - 120)

Environmental Resources Management Inc

MW3

GC/MS Semivolatiles

Lot-Sample #: A8K200156-007 Work Order #: K3CAQ1AT Matrix: WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		3.2 J	M	4.3337	ug/L
Unknown Organic Acid		4.4 J	M	7.7805	ug/L
Unknown		0.83 J	M	7.8276	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW3

TOTAL Metals

Lot-Sample #...: A8K200156-007 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AU
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AV
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AW
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AX
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A0
		Dilution Factor: 1				
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAQ1A1**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A3
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A4
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A5
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A6
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1A7
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAQ1AP
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW3

DISSOLVED Metals

Lot-Sample #...: A8K200156-007 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AE
		Dilution Factor: 1				
Antimony	**3.6 B,J**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAQ1AF**
		Dilution Factor: 1				
Beryllium	**1.2 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAQ1AG**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AK
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3CAQ1AM
		Dilution Factor: 1				
Zinc	**5.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3CAQ1AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3CAQ1AQ
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8K200156-008 **Work Order #...:** K3CAT1AA **Matrix.....:** WQ
Date Sampled...: 11/19/08 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8K200156-008 **Work Order #...:** K3CAT1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	74	(74 - 116)

Environmental Resources Management Inc

TRIP BLANK

GC/MS Volatiles

Lot-Sample #: A8K200156-008 **Work Order #:** K3CAT1AA **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K200156 **Work Order #...:** K3N3C1AA **Matrix.....:** WATER
MB Lot-Sample #: A8K260000-137

Prep Date.....: 11/25/08
Analysis Date..: 11/25/08 **Prep Batch #...:** 8331137
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Benzene	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
2-Butanone (MEK)	ND	10	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
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K200156 **Work Order #...:** K3N3C1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	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
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	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
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

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

Environmental Resources Management Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: A8K260000-137 B **Work Order #:** K3N3C1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K200156 **Work Order #...:** K3CVL1AA **Matrix.....:** WATER
MB Lot-Sample #: A8K200000-422

Prep Date.....: 11/20/08
Analysis Date..: 11/24/08 **Prep Batch #...:** 8325422
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K200156 **Work Order #...:** K3CVL1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**1.0 J**	**2.0**	**ug/L**	**SW846 8270C**
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(27 - 111)
2-Fluorobiphenyl	36	(28 - 110)
Terphenyl-d14	75	(37 - 119)
Phenol-d5	36	(10 - 110)
2-Fluorophenol	50	(10 - 110)
2,4,6-Tribromophenol	54	(22 - 120)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K200156 **Work Order #...:** K3CVL1AA **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: A8K200000-422 B **Work Order #:** K3CVL1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A8K210000-013 **Prep Batch #...:** 8326013						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AE
		Dilution Factor: 1				
Antimony	**3.3 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3D8L1AF**
		Dilution Factor: 1				
Beryllium	**1.0 B**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3D8L1AG**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AK
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/25/08	K3D8L1AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AM
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1AN
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3D8L1AP
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER

MB Lot-Sample #: A8K210000-013 **Prep Batch #...:** 8326013

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1CC
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1CD
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1CE
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1CF
		Dilution Factor: 1				
Antimony	**3.3 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3D8L1CG**
		Dilution Factor: 1				
Beryllium	**1.0 B**	**5.0**	**ug/L**	**SW846 6010B**	**11/21-11/24/08**	**K3D8L1CH**
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1CJ
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1CK
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1A6
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/21-11/25/08	K3D8L1A7
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1A8
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/21-11/24/08	K3D8L1A9
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/21-11/25/08	K3D8L1CA
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER

MB Lot-Sample #: A8L040000-014 **Prep Batch #...:** 8339014

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	ND	10.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C0
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C3
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C4
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C8
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1C9
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	12/04-12/08/08	K313J1DA
		Dilution Factor: 1				
Zinc	**11.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**12/04-12/08/08**	**K313J1DC**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	12/04-12/05/08	K313J1DD
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K200156 **Work Order #...:** K3N3C1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8K260000-137 K3N3C1AD-LCSD
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(80 - 116)**			**SW846 8260B**
	92	**(80 - 116)**	**0.55**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**90**	**(76 - 117)**			**SW846 8260B**
	94	**(76 - 117)**	**4.1**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**92**	**(63 - 130)**			**SW846 8260B**
	90	**(63 - 130)**	**2.4**	**(0-20)**	**SW846 8260B**
Toluene	**90**	**(74 - 119)**			**SW846 8260B**
	93	**(74 - 119)**	**2.9**	**(0-20)**	**SW846 8260B**
Trichloroethene	**93**	**(75 - 122)**			**SW846 8260B**
	93	**(75 - 122)**	**0.51**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	105	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	99	(61 - 128)
Toluene-d8	94	(76 - 110)
	96	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	98	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K200156 **Work Order #...:** K3CVL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8K200000-422 K3CVL1AD-LCSD
Prep Date.....: 11/20/08 **Analysis Date..:** 11/24/08
Prep Batch #...: 8325422
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**34**	**(14 - 112)**			**SW846 8270C**
	36	**(14 - 112)**	**5.6**	**(0-30)**	**SW846 8270C**
2-Chlorophenol	**54**	**(27 - 110)**			**SW846 8270C**
	58	**(27 - 110)**	**7.0**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**27**	**(19 - 110)**			**SW846 8270C**
	29	**(19 - 110)**	**5.2**	**(0-30)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**61**	**(37 - 121)**			**SW846 8270C**
	69	**(37 - 121)**	**13**	**(0-30)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**25**	**(25 - 110)**			**SW846 8270C**
	26	**(25 - 110)**	**5.4**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**61**	**(39 - 110)**			**SW846 8270C**
	64	**(39 - 110)**	**4.7**	**(0-30)**	**SW846 8270C**
Acenaphthene	**43**	**(40 - 110)**			**SW846 8270C**
	55	**(40 - 110)**	**23**	**(0-30)**	**SW846 8270C**
4-Nitrophenol	**48**	**(12 - 130)**			**SW846 8270C**
	48	**(12 - 130)**	**0.98**	**(0-30)**	**SW846 8270C**
2,4-Dinitrotoluene	**73**	**(52 - 123)**			**SW846 8270C**
	77	**(52 - 123)**	**5.7**	**(0-30)**	**SW846 8270C**
Pentachlorophenol	**44**	**(26 - 110)**			**SW846 8270C**
	51	**(26 - 110)**	**14**	**(0-30)**	**SW846 8270C**
Pyrene	**75**	**(55 - 120)**			**SW846 8270C**
	81	**(55 - 120)**	**8.0**	**(0-30)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(27 - 111)
	66	(27 - 111)
2-Fluorobiphenyl	51	(28 - 110)
	55	(28 - 110)
Terphenyl-d14	75	(37 - 119)
	67	(37 - 119)
Phenol-d5	37	(10 - 110)
	37	(10 - 110)
2-Fluorophenol	51	(10 - 110)
	53	(10 - 110)
2,4,6-Tribromophenol	55	(22 - 120)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K200156 **Work Order #...:** K3CVL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8K200000-422 K3CVL1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	57	(22 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A8K210000-013 **Prep Batch #...:** 8326013					
Arsenic	99	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AQ
Lead	105	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AR
Selenium	105	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AT
Thallium	104	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AU
Antimony	102	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AV
Beryllium	109	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AW
Cadmium	111	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1AX
Chromium	102	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1A0
Copper	103	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1A1
Nickel	110	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/25/08	K3D8L1A2
Silver	116	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1A3
Zinc	112	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1A4
Mercury	87	(81 - 123)	SW846 7470A Dilution Factor: 1	11/21-11/25/08	K3D8L1A5

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A8K210000-013 **Prep Batch #...:** 8326013					
Arsenic	99	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CR
Lead	105	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CT
Selenium	105	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CU
Thallium	104	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CV
Antimony	102	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CW
Beryllium	109	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CX
Cadmium	111	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1C0
Chromium	102	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1C1
Copper	103	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CL
Nickel	110	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/25/08	K3D8L1CM
Silver	116	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CN
Zinc	112	(80 - 120)	SW846 6010B Dilution Factor: 1	11/21-11/24/08	K3D8L1CP
Mercury	87	(81 - 123)	SW846 7470A Dilution Factor: 1	11/21-11/25/08	K3D8L1CQ

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A8L040000-014 **Prep Batch #...:** 8339014					
Arsenic	95	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EM
Lead	93	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EN
Selenium	96	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EP
Thallium	89	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EQ
Antimony	94	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1ER
Beryllium	95	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1ET
Cadmium	93	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EU
Chromium	95	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EV
Copper	95	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EW
Nickel	97	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1EX
Silver	104	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1E0
Zinc	98	(80 - 120)	SW846 6010B Dilution Factor: 1	12/04-12/08/08	K313J1E1
Mercury	102	(81 - 123)	SW846 7470A Dilution Factor: 1	12/04-12/05/08	K313J1E2

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K200156 **Work Order #...:** K3CAQ1A8-MS **Matrix.....:** WG
MS Lot-Sample #: A8K200156-007 K3CAQ1A9-MSD
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/20/08
Prep Date.....: 11/25/08 **Analysis Date..:** 11/25/08
Prep Batch #...: 8331137
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(78 - 118)**			**SW846 8260B**
	93	**(78 - 118)**	**3.3**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**91**	**(76 - 117)**			**SW846 8260B**
	88	**(76 - 117)**	**3.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(62 - 130)**			**SW846 8260B**
	89	**(62 - 130)**	**6.4**	**(0-20)**	**SW846 8260B**
Toluene	**91**	**(70 - 119)**			**SW846 8260B**
	88	**(70 - 119)**	**3.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**93**	**(62 - 130)**			**SW846 8260B**
	91	**(62 - 130)**	**2.1**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
	107	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	99	(61 - 128)
Toluene-d8	92	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)
	97	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K200156 **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08

MS Lot-Sample #: A8K200156-002 **Prep Batch #...:** 8326013

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	101	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CA
	105	(75 - 125)	3.8	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CC
		Dilution Factor: 1					
Lead	102	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CD
	105	(75 - 125)	3.6	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CE
		Dilution Factor: 1					
Selenium	98	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CF
	100	(75 - 125)	2.4	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CG
		Dilution Factor: 1					
Thallium	101	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CH
	104	(75 - 125)	3.4	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CJ
		Dilution Factor: 1					
Antimony	102	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CK
	106	(75 - 125)	3.6	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CL
		Dilution Factor: 1					
Beryllium	106	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CM
	110	(75 - 125)	3.2	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CN
		Dilution Factor: 1					
Cadmium	106	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CP
	110	(75 - 125)	2.9	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CQ
		Dilution Factor: 1					
Chromium	101	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CR
	103	(75 - 125)	2.3	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CT
		Dilution Factor: 1					
Copper	99	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CU
	101	(75 - 125)	1.5	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CV
		Dilution Factor: 1					
Nickel	115	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1CW
	116	(75 - 125)	0.90	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1CX
		Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K200156 **Matrix.....:** WG
Date Sampled...: 11/19/08 10:02 **Date Received..:** 11/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	121	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1C0
	123	(75 - 125)	1.9	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1C1
		Dilution Factor: 1					
Zinc	110	(75 - 125)			SW846 6010B	11/21-11/24/08	K3A9G1C2
	113	(75 - 125)	2.6	(0-20)	SW846 6010B	11/21-11/24/08	K3A9G1C3
		Dilution Factor: 1					
Mercury	85	(69 - 134)			SW846 7470A	11/21-11/25/08	K3A9G1A8
	82	(69 - 134)	4.4	(0-20)	SW846 7470A	11/21-11/25/08	K3A9G1A9
		Dilution Factor: 1					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K200156 **Matrix.....:** WATER
Date Sampled...: 12/01/08 14:50 **Date Received..:** 12/03/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A8L030168-001 **Prep Batch #...:** 8339014							
Arsenic	109	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1D3
	105	(75 - 125)	3.6	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1D4
		Dilution Factor: 1					
Lead	105	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1D6
	102	(75 - 125)	3.1	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1D7
		Dilution Factor: 1					
Selenium	108	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1D9
	105	(75 - 125)	3.2	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1EA
		Dilution Factor: 1					
Thallium	101	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1ED
	99	(75 - 125)	2.5	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1EE
		Dilution Factor: 1					
Antimony	108	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1EG
	104	(75 - 125)	3.8	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1EH
		Dilution Factor: 1					
Beryllium	107	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1EK
	103	(75 - 125)	3.8	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1EL
		Dilution Factor: 1					
Cadmium	105	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1EN
	102	(75 - 125)	3.4	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1EP
		Dilution Factor: 1					
Chromium	107	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1ER
	103	(75 - 125)	4.0	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1ET
		Dilution Factor: 1					
Copper	108	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1EV
	103	(75 - 125)	3.7	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1EW
		Dilution Factor: 1					
Nickel	108	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1E0
	104	(75 - 125)	3.8	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1E1
		Dilution Factor: 1					

(Continued on next page)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
ERM	Jerry JACOBS		000689
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
30775 BAINBRIDGE RD SUITE 180	440-542-0750 ≋ 440-542-0753		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
SOLON OH 44139		PAT O'MERA	
Project Name and Location (State)	**Carrier/Waybill Number**		
GREINERS LAGOON, BALDWIN TWSP OH	UPS J215708 0958 J215708 0967		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC.	SVOCs	TOTAL METALS	Dissolved Metals	Special Instructions/ Conditions of Receipt
EQUIPMENT BLANK	11/19/08	0823		✓			2		2	2			✓	✓		✓	
MW9	11/19/08	1002		✓			2		2	3			✓	✓		✓	
MW9 DUPLICATE	11/19/08	1002		✓			2		2	3			✓	✓		✓	
MW12	11/19/08	1127		✓			2		1	3			✓	✓	✓		
MW11	11/19/08	1154		✓			2		2	3			✓	✓		✓	
MW1	11/19/08	1435		✓			2		2	3			✓	✓		✓	
MW3	11/19/08	1612		✓			2		2	3			✓	✓		✓	
TRIP BLANK	11/19			✓						2			✓				

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. AARON FREDERICK / [signature]	11/19/08	1730	1. UPS	11/19/08	1730
2.			2. [signature]	11/20/08	0850
3.			3.		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K200156 Matrix.....: WATER

Date Sampled...: 12/01/08 14:50 Date Received..: 12/03/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	120	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1E3
	116	(75 - 125)	4.0	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1E4
		Dilution Factor: 1					
Zinc	108	(75 - 125)			SW846 6010B	12/04-12/08/08	K30MM1E6
	104	(75 - 125)	3.8	(0-20)	SW846 6010B	12/04-12/09/08	K30MM1E7
		Dilution Factor: 1					
Mercury	105	(69 - 134)			SW846 7470A	12/04-12/05/08	K30MM1E9
	107	(69 - 134)	2.1	(0-20)	SW846 7470A	12/04-12/05/08	K30MM1FA
		Dilution Factor: 1					

NOTE(S):

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

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** A8K200156
North Canton Facility

Client ERM Project Graingers By: [signature]
Cooler Received on 11/20/08 Opened on 11/20/08 (Signature)
FedEx ☒ UPS ☒ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other ____
TestAmerica Cooler # ____ Multiple Coolers ☒ Foam Box ☐ Client Cooler ☐ Other ____

1. Were custody seals on the outside of the cooler(s)? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 2 Quantity Unsalvageable ____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☒ No ☐ NA ☐
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? ____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other ____
6. Cooler temperature upon receipt ____ °C See back of form for multiple coolers/temps ☒
   METHOD: IR ☒ Other ☐ ____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☒ NA ☐
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM PJ Date 11/20/08 by [initials] via Verbal ☒ Voice Mail ☐ Other ☐
Concerning #14

14. CHAIN OF CUSTODY

The following discrepancies occurred:
The following samples had to be further preserved w/ HNO_3: MW9 (Tot & Diss), MW9 DUP (Tot & Diss), MW12 (Tot) & MW11 (Tot & Diss). Received Total Metals for all samples. Received Dissolved Metals for all samples except the Equipment Blank & MW12.
Total metals is not marked for all of the samples. (OVER)

15. SAMPLE CONDITION

Sample(s) ____ were received after the recommended holding time had expired.
Sample(s) ____ were received in a broken container.
Sample(s) ____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) SEE Above were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 100108-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN$/NaOH. What time was preservative added to sample(s)? ____

Client ID	pH	Date	Initials
Eq. Blank	<2	11/20/08	[initials]
MW9	<2 <2		
MW9 Dup	<2 <2		
MW12	<2		
MW11	<2 <2		
MW1	<2 <2		
MW3	<2 <2		

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant
L436	1.5	IR	Ice
A43	1.6	↓	↓

Discrepancies Cont'd:

Logged diss. metals on MW-12 per Sarry Jacobs on 12/3/08. Filter & pres. using VOC extra bottle.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

END OF REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

GREINER'S LAGOON/BALLVILLE,OH

Lot #: A8K210386

Jerome Jacobs, PE

ERM Inc
30775 Bainbridge Road
Suite 180
Solon, OH 44139

TESTAMERICA LABORATORIES, INC.

Patrick O'Meara

Approved for release.
Patrick O'Meara
Project Manager
12/10/2008 3:54 PM

Patrick J. O'Meara
Project Manager
patrick.omeara@testamericainc.com

December 10, 2008

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330)497-9396 Fax (330)497-0772 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

CASE NARRATIVE
A8K210386

The following report contains the analytical results for nine water samples and one quality control sample submitted to TestAmerica North Canton by ERM, Inc. from the Greiner's Lagoon/Ballville, OH Site. The samples were received November 21, 2008, 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.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

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.

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, Patrick J. O'Meara, 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 temperature of the cooler upon sample receipt was 0.8, 0.2, and 2.2°C.

See TestAmerica's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) MW-8, MW-6 and MW-7 had elevated reporting limits due to foaming.

GC/MS SEMIVOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) MW-4, MW-8, MW-5, MW-7, and MW-5 DUPLICATE had elevated reporting limits due to matrix interference.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton 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.

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, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the 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 North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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EXECUTIVE SUMMARY - Detection Highlights

A8K210386

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-2 11/20/08 08:23 001				
Arsenic	3.5 B	10.0	ug/L	SW846 6010B
Antimony	2.5 B	60.0	ug/L	SW846 6010B
Copper	4.9 B	25.0	ug/L	SW846 6010B
Zinc	11.3 B,J	20.0	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	2.5	2.0	ug/L	SW846 8270C
MW-4 11/20/08 09:58 002				
Antimony - DISSOLVED	2.1 B	60.0	ug/L	SW846 6010B
Nickel - DISSOLVED	10.2 B	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	5.7 B,J	20.0	ug/L	SW846 6010B
Nickel	10.5 B	40.0	ug/L	SW846 6010B
Zinc	6.6 B,J	20.0	ug/L	SW846 6010B
Acetone	3.4 J	10	ug/L	SW846 8260B
2-Butanone (MEK)	0.57 J	10	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	0.46 J	10	ug/L	SW846 8260B
MW-8 11/20/08 14:02 003				
Antimony - DISSOLVED	3.5 B	60.0	ug/L	SW846 6010B
Chromium - DISSOLVED	2.9 B	10.0	ug/L	SW846 6010B
Nickel - DISSOLVED	25.9 B	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	6.8 B,J	20.0	ug/L	SW846 6010B
Arsenic	11.9	10.0	ug/L	SW846 6010B
Lead	2.4 B	3.0	ug/L	SW846 6010B
Antimony	6.7 B	60.0	ug/L	SW846 6010B
Copper	14.6 B	25.0	ug/L	SW846 6010B
Nickel	23.7 B	40.0	ug/L	SW846 6010B
Zinc	22.7 J	20.0	ug/L	SW846 6010B
Acetone	6.9 J	20	ug/L	SW846 8260B
MW-3 11/19/08 16:12 004				
Selenium - DISSOLVED	4.3 B	5.0	ug/L	SW846 6010B
Antimony - DISSOLVED	2.7 B	60.0	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	1.2 J	2.0	ug/L	SW846 8270C
Acetone	4.8 J	10	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	1.0 J	10	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A8K210386

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EQUIPMENT BLANK II 11/20/08 13:45 006				
Antimony	2.3 B	60.0	ug/L	SW846 6010B
Zinc	10.1 B,J	20.0	ug/L	SW846 6010B
Isobutyl alcohol	43 J,B	50	ug/L	SW846 8260B
MW-5 11/20/08 17:10 007				
Arsenic - DISSOLVED	21.9	10.0	ug/L	SW846 6010B
Lead - DISSOLVED	35.1	3.0	ug/L	SW846 6010B
Selenium - DISSOLVED	6.6	5.0	ug/L	SW846 6010B
Antimony - DISSOLVED	84.7	60.0	ug/L	SW846 6010B
Chromium - DISSOLVED	3.8 B	10.0	ug/L	SW846 6010B
Copper - DISSOLVED	12.8 B	25.0	ug/L	SW846 6010B
Nickel - DISSOLVED	51.4	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	13.5 B,J	20.0	ug/L	SW846 6010B
Arsenic	44.3	10.0	ug/L	SW846 6010B
Lead	29.4	3.0	ug/L	SW846 6010B
Selenium	5.5	5.0	ug/L	SW846 6010B
Antimony	16.7 B	60.0	ug/L	SW846 6010B
Chromium	9.1 B	10.0	ug/L	SW846 6010B
Copper	11.5 B	25.0	ug/L	SW846 6010B
Nickel	61.7	40.0	ug/L	SW846 6010B
Zinc	31.6 J	20.0	ug/L	SW846 6010B
Phenol	27	20	ug/L	SW846 8270C
Acetone	130	50	ug/L	SW846 8260B
Benzene	11	5.0	ug/L	SW846 8260B
2-Butanone (MEK)	32 J	50	ug/L	SW846 8260B
Ethylbenzene	3.8 J	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	170	50	ug/L	SW846 8260B
Toluene	13	5.0	ug/L	SW846 8260B
Trichloroethene	4.1 J	5.0	ug/L	SW846 8260B
Xylenes (total)	9.3 J	10	ug/L	SW846 8260B
MW-6 11/20/08 15:16 008				
Arsenic - DISSOLVED	16.9	10.0	ug/L	SW846 6010B
Antimony - DISSOLVED	6.0 B	60.0	ug/L	SW846 6010B
Nickel - DISSOLVED	15.8 B	40.0	ug/L	SW846 6010B
Arsenic	20.4	10.0	ug/L	SW846 6010B
Antimony	6.5 B	60.0	ug/L	SW846 6010B
Nickel	17.1 B	40.0	ug/L	SW846 6010B
Acetone	18 J	20	ug/L	SW846 8260B
2-Butanone (MEK)	2.3 J	20	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A8K210386

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-7 11/20/08 12:52 009				
Arsenic - DISSOLVED	192	10.0	ug/L	SW846 6010B
Antimony - DISSOLVED	7.0 B	60.0	ug/L	SW846 6010B
Nickel - DISSOLVED	19.4 B	40.0	ug/L	SW846 6010B
Arsenic	195	10.0	ug/L	SW846 6010B
Antimony	8.1 B	60.0	ug/L	SW846 6010B
Copper	7.9 B	25.0	ug/L	SW846 6010B
Nickel	28.1 B	40.0	ug/L	SW846 6010B
Zinc	31.1 J	20.0	ug/L	SW846 6010B
Phenol	3.8 J	4.0	ug/L	SW846 8270C
Acetone	12 J	50	ug/L	SW846 8260B
Benzene	5.7	5.0	ug/L	SW846 8260B
2-Butanone (MEK)	3.6 J	50	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	2.7 J	50	ug/L	SW846 8260B
MW-5 DUPLICATE 11/20/08 17:10 010				
Arsenic - DISSOLVED	33.5	10.0	ug/L	SW846 6010B
Lead - DISSOLVED	12.5	3.0	ug/L	SW846 6010B
Selenium - DISSOLVED	6.8	5.0	ug/L	SW846 6010B
Antimony - DISSOLVED	91.4	60.0	ug/L	SW846 6010B
Chromium - DISSOLVED	5.6 B	10.0	ug/L	SW846 6010B
Copper - DISSOLVED	5.8 B	25.0	ug/L	SW846 6010B
Nickel - DISSOLVED	56.2	40.0	ug/L	SW846 6010B
Zinc - DISSOLVED	10.9 B,J	20.0	ug/L	SW846 6010B
Arsenic	21.0	10.0	ug/L	SW846 6010B
Lead	69.3	3.0	ug/L	SW846 6010B
Selenium	6.3	5.0	ug/L	SW846 6010B
Antimony	63.9	60.0	ug/L	SW846 6010B
Chromium	4.6 B	10.0	ug/L	SW846 6010B
Copper	15.2 B	25.0	ug/L	SW846 6010B
Nickel	49.9	40.0	ug/L	SW846 6010B
Zinc	19.1 B,J	20.0	ug/L	SW846 6010B
Phenol	20	20	ug/L	SW846 8270C
2,4-Dimethylphenol	16 J	40	ug/L	SW846 8270C
Acetone	120	50	ug/L	SW846 8260B
Benzene	11	5.0	ug/L	SW846 8260B
2-Butanone (MEK)	30 J	50	ug/L	SW846 8260B
Carbon disulfide	1.7 J	5.0	ug/L	SW846 8260B
Ethylbenzene	4.0 J	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	170	50	ug/L	SW846 8260B
Toluene	15	5.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

A8K210386

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-5 DUPLICATE 11/20/08 17:10 010				
Trichloroethene	4.6 J	5.0	ug/L	SW846 8260B
Xylenes (total)	11	10	ug/L	SW846 8260B
TRIP BLANK 11/20/08 011				
Benzene	0.47 J	1.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A8K210386

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
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

A8K210386

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K3GT1	001	MW-2	11/20/08	08:23
K3GVD	002	MW-4	11/20/08	09:58
K3GVM	003	MW-8	11/20/08	14:02
K3GVW	004	MW-3	11/19/08	16:12
K3GV8	006	EQUIPMENT BLANK II	11/20/08	13:45
K3GWC	007	MW-5	11/20/08	17:10
K3GWE	008	MW-6	11/20/08	15:16
K3GWG	009	MW-7	11/20/08	12:52
K3GWJ	010	MW-5 DUPLICATE	11/20/08	17:10
K3GW9	011	TRIP BLANK	11/20/08	

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.

Environmental Resources Management Inc

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: A8K210386-001 **Work Order #...:** K3GT11A6 **Matrix.....:** WG
Date Sampled...: 11/20/08 08:23 **Date Received..:** 11/21/08
Prep Date.....: 12/02/08 **Analysis Date..:** 12/02/08
Prep Batch #...: 8338296
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: A8K210386-001 **Work Order #...:** K3GT11A6 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

Environmental Resources Management Inc

MW-2

GC/MS Volatiles

Lot-Sample #: A8K210386-001 **Work Order #:** K3GT11A6 **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-001 **Work Order #...:** K3GT11A7 **Matrix.....:** WG
Date Sampled...: 11/20/08 08:23 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-001 **Work Order #...:** K3GT11A7 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**2.5**	**2.0**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(27 - 111)
2-Fluorobiphenyl	66	(28 - 110)
Terphenyl-d14	106	(37 - 119)
Phenol-d5	71	(10 - 110)
2-Fluorophenol	71	(10 - 110)
2,4,6-Tribromophenol	71	(22 - 120)

Environmental Resources Management Inc

MW-2

GC/MS Semivolatiles

Lot-Sample #: A8K210386-001 **Work Order #:** K3GT11A7 **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.7 J	M	3.5876	ug/L
Unknown		1.8 J	M	8.7641	ug/L
Unknown		1.9 J	M	8.8015	ug/L
Unknown		1.6 J	M	8.9351	ug/L
Unknown		2.8 J	M	10.559	ug/L
Unknown		3.0 J	M	10.623	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-2

TOTAL Metals

Lot-Sample #...: A8K210386-001 **Matrix.....:** WG
Date Sampled...: 11/20/08 08:23 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	**3.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GT11AA**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AE
		Dilution Factor: 1				
Antimony	**2.5 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GT11AF**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AG
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AJ
		Dilution Factor: 1				
Copper	**4.9 B**	**25.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GT11AK**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AM
		Dilution Factor: 1				
Zinc	**11.3 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GT11AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GT11A4
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-2

DISSOLVED Metals

Lot-Sample #...: A8K210386-001 **Matrix.....:** WG
Date Sampled...: 11/20/08 08:23 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AP
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AQ
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AR
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AT
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AU
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AV
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AW
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11AX
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11A0
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11A1
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11A2
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GT11A3
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GT11A5
		Dilution Factor: 1				

Environmental Resources Management Inc

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: A8K210386-002 **Work Order #...:** K3GVD1AH **Matrix.....:** WG
Date Sampled...: 11/20/08 09:58 **Date Received..:** 11/21/08
Prep Date.....: 12/03/08 **Analysis Date..:** 12/03/08
Prep Batch #...: 8339098
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3.4 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	**0.57 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: A8K210386-002 **Work Order #...:** K3GVD1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	**0.46 J**	**10**	**ug/L**
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-4

GC/MS Volatiles

Lot-Sample #: A8K210386-002 **Work Order #:** K3GVD1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-002 **Work Order #...:** K3GVD1AJ **Matrix.....:** WG
Date Sampled...: 11/20/08 09:58 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 4 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	4.0	ug/L
bis(2-Chloroethyl)-ether	ND	4.0	ug/L
2-Chlorophenol	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
2-Methylphenol	ND	4.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	4.0	ug/L
4-Methylphenol	ND	4.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	4.0	ug/L
Hexachloroethane	ND	4.0	ug/L
Nitrobenzene	ND	4.0	ug/L
Isophorone	ND	4.0	ug/L
2-Nitrophenol	ND	8.0	ug/L
2,4-Dimethylphenol	ND	8.0	ug/L
bis(2-Chloroethoxy) methane	ND	4.0	ug/L
2,4-Dichlorophenol	ND	8.0	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
Naphthalene	ND	0.80	ug/L
4-Chloroaniline	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
4-Chloro-3-methylphenol	ND	8.0	ug/L
2-Methylnaphthalene	ND	0.80	ug/L
Hexachlorocyclopenta-diene	ND	40	ug/L
2,4,6-Trichloro-phenol	ND	20	ug/L
2,4,5-Trichloro-phenol	ND	20	ug/L
2-Chloronaphthalene	ND	4.0	ug/L
2-Nitroaniline	ND	8.0	ug/L
Dimethyl phthalate	ND	4.0	ug/L
Acenaphthylene	ND	0.80	ug/L
2,6-Dinitrotoluene	ND	20	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-002 **Work Order #...:** K3GVD1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	8.0	ug/L
Acenaphthene	ND	0.80	ug/L
2,4-Dinitrophenol	ND	20	ug/L
4-Nitrophenol	ND	20	ug/L
Dibenzofuran	ND	4.0	ug/L
2,4-Dinitrotoluene	ND	20	ug/L
Diethyl phthalate	ND	4.0	ug/L
4-Chlorophenyl phenyl ether	ND	8.0	ug/L
Fluorene	ND	0.80	ug/L
4-Nitroaniline	ND	8.0	ug/L
4,6-Dinitro-2-methylphenol	ND	20	ug/L
N-Nitrosodiphenylamine	ND	4.0	ug/L
4-Bromophenyl phenyl ether	ND	8.0	ug/L
Hexachlorobenzene	ND	0.80	ug/L
Pentachlorophenol	ND	20	ug/L
Phenanthrene	ND	0.80	ug/L
Anthracene	ND	0.80	ug/L
Carbazole	ND	4.0	ug/L
Di-n-butyl phthalate	ND	4.0	ug/L
Fluoranthene	ND	0.80	ug/L
Pyrene	ND	0.80	ug/L
Butyl benzyl phthalate	ND	4.0	ug/L
3,3'-Dichlorobenzidine	ND	20	ug/L
Benzo(a)anthracene	ND	0.80	ug/L
Chrysene	ND	0.80	ug/L
bis(2-Ethylhexyl) phthalate	ND	8.0	ug/L
Di-n-octyl phthalate	ND	4.0	ug/L
Benzo(b)fluoranthene	ND	0.80	ug/L
Benzo(k)fluoranthene	ND	0.80	ug/L
Benzo(a)pyrene	ND	0.80	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.80	ug/L
Dibenz(a,h)anthracene	ND	0.80	ug/L
Benzo(ghi)perylene	ND	0.80	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78 DIL	(27 - 111)
2-Fluorobiphenyl	73 DIL	(28 - 110)
Terphenyl-d14	69 DIL	(37 - 119)
Phenol-d5	82 DIL	(10 - 110)
2-Fluorophenol	80 DIL	(10 - 110)
2,4,6-Tribromophenol	87 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-002 **Work Order #...:** K3GVD1AJ **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW-4

GC/MS Semivolatiles

Lot-Sample #: A8K210386-002 **Work Order #:** K3GVD1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		46 J	M	4.8341	ug/L
Unknown		250 J	M	4.8929	ug/L
Unknown		20 J	M	5.0531	ug/L
Unknown		46 J	M	5.0745	ug/L
Unknown		18 J	M	5.4484	ug/L
Unknown		15 J	M	5.8064	ug/L
Unknown		14 J	M	5.8491	ug/L
Unknown		65 J	M	6.1162	ug/L
Unknown		36 J	M	6.2337	ug/L
Unknown		15 J	M	6.4474	ug/L
Unknown		12 J	M	7.2648	ug/L
Unknown		16 J	M	7.5693	ug/L
Unknown		53 J	M	7.6708	ug/L
Unknown		33 J	M	7.815	ug/L
Unknown		120 J	M	8.0875	ug/L
Unknown		53 J	M	8.6591	ug/L
Unknown		99 J	M	8.8193	ug/L
Unknown		43 J	M	9.001	ug/L
Unknown		25 J	M	9.0116	ug/L
Unknown		54 J	M	9.0757	ug/L
Unknown		690 J	M	9.5886	ug/L
Unknown		17 J	M	9.7756	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-4

TOTAL Metals

Lot-Sample #...: A8K210386-002 **Matrix.....:** WG
Date Sampled...: 11/20/08 09:58 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AK
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AN
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AP
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AU
		Dilution Factor: 1				
Nickel	**10.5 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVD1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AW
		Dilution Factor: 1				
Zinc	**6.6 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVD1AX**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GVD1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-4

DISSOLVED Metals

Lot-Sample #...: A8K210386-002 **Matrix.....:** WG
Date Sampled...: 11/20/08 09:58 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A0
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A3
		Dilution Factor: 1				
Antimony	**2.1 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVD1A4**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AA
		Dilution Factor: 1				
Nickel	**10.2 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVD1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVD1AD
		Dilution Factor: 1				
Zinc	**5.7 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVD1AE**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GVD1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-8

GC/MS Volatiles

Lot-Sample #...: A8K210386-003 **Work Order #...:** K3GVM1AH **Matrix.....:** WG
Date Sampled...: 11/20/08 14:02 **Date Received..:** 11/21/08
Prep Date.....: 12/03/08 **Analysis Date..:** 12/03/08
Prep Batch #...: 8339098
Dilution Factor: 2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**6.9 J**	**20**	**ug/L**
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Allyl chloride	ND	4.0	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,4-Dioxane	ND	400	ug/L
Ethylbenzene	ND	2.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutyl alcohol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-8

GC/MS Volatiles

Lot-Sample #...: A8K210386-003 **Work Order #...:** K3GVM1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Propionitrile	ND	8.0	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
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW-8

GC/MS Volatiles

Lot-Sample #: A8K210386-003 **Work Order #:** K3GVM1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		6.3 J	M	12.805	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-8

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-003 **Work Order #...:** K3GVM1AJ **Matrix.....:** WG
Date Sampled...: 11/20/08 14:02 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 5 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	5.0	ug/L
bis(2-Chloroethyl)-ether	ND	5.0	ug/L
2-Chlorophenol	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
2-Methylphenol	ND	5.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	5.0	ug/L
4-Methylphenol	ND	5.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	5.0	ug/L
Hexachloroethane	ND	5.0	ug/L
Nitrobenzene	ND	5.0	ug/L
Isophorone	ND	5.0	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	5.0	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
Naphthalene	ND	1.0	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	1.0	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	25	ug/L
2,4,5-Trichloro-phenol	ND	25	ug/L
2-Chloronaphthalene	ND	5.0	ug/L
2-Nitroaniline	ND	10	ug/L
Dimethyl phthalate	ND	5.0	ug/L
Acenaphthylene	ND	1.0	ug/L
2,6-Dinitrotoluene	ND	25	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-8

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-003 Work Order #...: K3GVM1AJ Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	10	ug/L
Acenaphthene	ND	1.0	ug/L
2,4-Dinitrophenol	ND	25	ug/L
4-Nitrophenol	ND	25	ug/L
Dibenzofuran	ND	5.0	ug/L
2,4-Dinitrotoluene	ND	25	ug/L
Diethyl phthalate	ND	5.0	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	1.0	ug/L
4-Nitroaniline	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	25	ug/L
N-Nitrosodiphenylamine	ND	5.0	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	1.0	ug/L
Pentachlorophenol	ND	25	ug/L
Phenanthrene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Carbazole	ND	5.0	ug/L
Di-n-butyl phthalate	ND	5.0	ug/L
Fluoranthene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L
Butyl benzyl phthalate	ND	5.0	ug/L
3,3'-Dichlorobenzidine	ND	25	ug/L
Benzo(a)anthracene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	5.0	ug/L
Benzo(b)fluoranthene	ND	1.0	ug/L
Benzo(k)fluoranthene	ND	1.0	ug/L
Benzo(a)pyrene	ND	1.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/L
Dibenz(a,h)anthracene	ND	1.0	ug/L
Benzo(ghi)perylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73 DIL	(27 - 111)
2-Fluorobiphenyl	65 DIL	(28 - 110)
Terphenyl-d14	54 DIL	(37 - 119)
Phenol-d5	80 DIL	(10 - 110)
2-Fluorophenol	69 DIL	(10 - 110)
2,4,6-Tribromophenol	84 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-8

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-003 Work Order #...: K3GVM1AJ Matrix.....: WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW-8

GC/MS Semivolatiles

Lot-Sample #: A8K210386-003 **Work Order #:** K3GVM1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		52 J	M	4.8386	ug/L
Unknown		72 J	M	4.8867	ug/L
Unknown		90 J	M	5.0897	ug/L
Unknown		48 J	M	5.8056	ug/L
Unknown		41 J	M	5.843	ug/L
Unknown		97 J	M	6.1207	ug/L
Unknown		48 J	M	6.1368	ug/L
Unknown		32 J	M	6.1795	ug/L
Unknown		46 J	M	6.2596	ug/L
Unknown		29 J	M	6.452	ug/L
Unknown		21 J	M	7.1464	ug/L
Unknown		21 J	M	7.4937	ug/L
Unknown		170 J	M	7.686	ug/L
Unknown		150 J	M	7.8409	ug/L
Unknown		190 J	M	8.1187	ug/L
Unknown		170 J	M	8.701	ug/L
Unknown		100 J	M	8.8399	ug/L
Unknown		280 J	M	9.0322	ug/L
Unknown		50 J	M	9.0963	ug/L
Unknown		87 J	M	9.2619	ug/L
Unknown		86 J	M	9.4008	ug/L
Unknown		380 J	M	9.5985	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-8

TOTAL Metals

Lot-Sample #...: A8K210386-003 **Matrix.....:** WG
Date Sampled...: 11/20/08 14:02 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	**11.9**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AK**
		Dilution Factor: 1				
Lead	**2.4 B**	**3.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AL**
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AN
		Dilution Factor: 1				
Antimony	**6.7 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AP**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AT
		Dilution Factor: 1				
Copper	**14.6 B**	**25.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AU**
		Dilution Factor: 1				
Nickel	**23.7 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AW
		Dilution Factor: 1				
Zinc	**22.7 J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AX**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GVM1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-8

DISSOLVED Metals

Lot-Sample #...: A8K210386-003 **Matrix.....:** WG
Date Sampled...: 11/20/08 14:02 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1A0
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1A3
		Dilution Factor: 1				
Antimony	**3.5 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1A4**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1A6
		Dilution Factor: 1				
Chromium	**2.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1A7**
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AA
		Dilution Factor: 1				
Nickel	**25.9 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVM1AD
		Dilution Factor: 1				
Zinc	**6.8 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVM1AE**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GVM1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: A8K210386-004 **Work Order #...:** K3GVW1AW **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08
Prep Date.....: 12/02/08 **Analysis Date..:** 12/02/08
Prep Batch #...: 8338296
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**4.8 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: A8K210386-004 **Work Order #...:** K3GVW1AW **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	**1.0 J**	**10**	**ug/L**
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-3

GC/MS Volatiles

Lot-Sample #: A8K210386-004 **Work Order #:** K3GVW1AW **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-004 **Work Order #...:** K3GVW1A1 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/26/08
Prep Batch #...: 8327023
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-004 **Work Order #...:** K3GVW1A1 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.2 J**	**2.0**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(27 - 111)
2-Fluorobiphenyl	68	(28 - 110)
Terphenyl-d14	102	(37 - 119)
Phenol-d5	69	(10 - 110)
2-Fluorophenol	74	(10 - 110)
2,4,6-Tribromophenol	73	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-004 **Work Order #...:** K3GVW1A1 **Matrix.....:** WG

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-3

GC/MS Semivolatiles

Lot-Sample #: A8K210386-004 **Work Order #:** K3GVW1A1 **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		3.4 J	M	3.5896	ug/L
Unknown		0.83 J	M	4.4603	ug/L
Unknown		7.8 J	M	4.5031	ug/L
Unknown		32 J	M	4.9251	ug/L
Unknown		2.1 J	M	5.0693	ug/L
Unknown		18 J	M	5.8012	ug/L
Unknown		0.98 J	M	6.6292	ug/L
Unknown		0.93 J	M	7.2275	ug/L
Unknown		0.88 J	M	7.3451	ug/L
Unknown		9.8 J	M	8.0182	ug/L
Unknown		1.7 J	M	9.5193	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-3

TOTAL Metals

Lot-Sample #...: A8K210386-004 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1A4
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1A7
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CA
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CE
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CH
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CL
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CP
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1CW
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1C1
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1C4
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1C7
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GVW1AP
		Dilution Factor: 1				

Environmental Resources Management Inc

Client Sample ID: MW-3

DISSOLVED Metals

Lot-Sample #...: A8K210386-004 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1DA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1DE
		Dilution Factor: 1				
Selenium	**4.3 B**	**5.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVW1DH**
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1DL
		Dilution Factor: 1				
Antimony	**2.7 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GVW1DP**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1DT
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1DW
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1D1
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1AE
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1AH
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GVW1AL
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GVW1AT
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK II

GC/MS Volatiles

Lot-Sample #...: A8K210386-006 **Work Order #...:** K3GV81AQ **Matrix.....:** WG
Date Sampled...: 11/20/08 13:45 **Date Received..:** 11/21/08
Prep Date.....: 12/02/08 **Analysis Date..:** 12/02/08
Prep Batch #...: 8338296
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	**43 J,B**	**50**	**ug/L**
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK II

GC/MS Volatiles

Lot-Sample #...: A8K210386-006 **Work Order #...:** K3GV81AQ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

EQUIPMENT BLANK II

GC/MS Volatiles

Lot-Sample #: A8K210386-006 **Work Order #:** K3GV81AQ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK II

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-006 **Work Order #...:** K3GV81AR **Matrix.....:** WG
Date Sampled...: 11/20/08 13:45 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK II

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-006 **Work Order #...:** K3GV81AR **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(27 - 111)
2-Fluorobiphenyl	65	(28 - 110)
Terphenyl-d14	97	(37 - 119)
Phenol-d5	70	(10 - 110)
2-Fluorophenol	69	(10 - 110)
2,4,6-Tribromophenol	64	(22 - 120)

Environmental Resources Management Inc

EQUIPMENT BLANK II

GC/MS Semivolatiles

Lot-Sample #: A8K210386-006 **Work Order #:** K3GV81AR **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.6 J	M	3.5841	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: EQUIPMENT BLANK II

TOTAL Metals

Lot-Sample #...: A8K210386-006 **Matrix.....:** WG
Date Sampled...: 11/20/08 13:45 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AC
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AD
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AE
		Dilution Factor: 1				
Antimony	**2.3 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GV81AF**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AG
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AH
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AK
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GV81AM
		Dilution Factor: 1				
Zinc	**10.1 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GV81AN**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GV81AP
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...: A8K210386-007 **Work Order #...:** K3GWC1AH **Matrix.....:** WG
Date Sampled...: 11/20/08 17:10 **Date Received..:** 11/21/08
Prep Date.....: 12/04/08 **Analysis Date..:** 12/04/08
Prep Batch #...: 8340117
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**130**	**50**	**ug/L**
Acetonitrile	ND	100	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Allyl chloride	ND	10	ug/L
Benzene	**11**	**5.0**	**ug/L**
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
2-Butanone (MEK)	**32 J**	**50**	**ug/L**
Carbon disulfide	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloroprene	ND	10	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
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
1,4-Dioxane	ND	1000	ug/L
Ethylbenzene	**3.8 J**	**5.0**	**ug/L**
Ethyl methacrylate	ND	5.0	ug/L
2-Hexanone	ND	50	ug/L
Iodomethane	ND	5.0	ug/L
Isobutyl alcohol	ND	250	ug/L
Methacrylonitrile	ND	10	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...: A8K210386-007 **Work Order #...:** K3GWC1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/L
Methyl methacrylate	ND	10	ug/L
4-Methyl-2-pentanone (MIBK)	**170**	**50**	**ug/L**
Propionitrile	ND	20	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
Toluene	**13**	**5.0**	**ug/L**
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	**4.1 J**	**5.0**	**ug/L**
Trichlorofluoromethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Xylenes (total)	**9.3 J**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-5

GC/MS Volatiles

Lot-Sample #: A8K210386-007 **Work Order #:** K3GWC1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
1-Propene, 2-methyl-	115-11-7	66 NJ	M	1.8103	ug/L
3-Octanol	589-98-0	1500 NJ	M	7.3481	ug/L
3-Octanol	589-98-0	1600 NJ	M	7.9279	ug/L
Unknown		130 J	M	8.2474	ug/L
2-Hexanol, 2,5-dimethyl-, (S)-	3730-60-7	390 NJ	M	8.3302	ug/L
Unknown		40 J	M	9.0639	ug/L
Unknown		100 J	M	12.625	ug/L
Unknown		550 J	M	12.696	ug/L
Unknown		2800 NJ	M	12.803	ug/L
Cyclohexene, 1-methyl-4-(1-met	586-62-9	52 NJ	M	13.607	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-5

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-007 **Work Order #...:** K3GWC1AJ **Matrix.....:** WG
Date Sampled...: 11/20/08 17:10 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 20 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**27**	**20**	**ug/L**
bis(2-Chloroethyl)-ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propyl-amine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	40	ug/L
2,4-Dimethylphenol	ND	40	ug/L
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	40	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
Naphthalene	ND	4.0	ug/L
4-Chloroaniline	ND	40	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	40	ug/L
2-Methylnaphthalene	ND	4.0	ug/L
Hexachlorocyclopenta-diene	ND	200	ug/L
2,4,6-Trichloro-phenol	ND	100	ug/L
2,4,5-Trichloro-phenol	ND	100	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	40	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	4.0	ug/L
2,6-Dinitrotoluene	ND	100	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW-5

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-007 **Work Order #...:** K3GWC1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	40	ug/L
Acenaphthene	ND	4.0	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	100	ug/L
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	40	ug/L
Fluorene	ND	4.0	ug/L
4-Nitroaniline	ND	40	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	40	ug/L
Hexachlorobenzene	ND	4.0	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	4.0	ug/L
Anthracene	ND	4.0	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	4.0	ug/L
Pyrene	ND	4.0	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Chrysene	ND	4.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	40	ug/L
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	96 DIL	(27 - 111)
2-Fluorobiphenyl	61 DIL	(28 - 110)
Terphenyl-d14	55 DIL	(37 - 119)
Phenol-d5	106 DIL	(10 - 110)
2-Fluorophenol	92 DIL	(10 - 110)
2,4,6-Tribromophenol	92 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-5

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-007 **Work Order #...:** K3GWC1AJ **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Environmental Resources Management Inc

MW-5

GC/MS Semivolatiles

Lot-Sample #: A8K210386-007 **Work Order #:** K3GWC1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1400 J	M	4.1405	ug/L
Unknown		520 J	M	4.1726	ug/L
Unknown		240 J	M	4.194	ug/L
Unknown		160 J	M	4.2313	ug/L
Unknown		290 J	M	4.2741	ug/L
Unknown		200 J	M	4.3115	ug/L
Unknown		400 J	M	4.3435	ug/L
Unknown		710 J	M	4.4023	ug/L
Unknown		440 J	M	4.835	ug/L
Unknown		1100 J	M	4.8884	ug/L
Unknown		210 J	M	4.9953	ug/L
Unknown		600 J	M	5.1288	ug/L
Unknown		160 J	M	5.1769	ug/L
Unknown		160 J	M	5.4707	ug/L
Unknown		330 J	M	5.9729	ug/L
Unknown		180 J	M	6.0744	ug/L
Unknown		650 J	M	6.1866	ug/L
Unknown		210 J	M	6.2079	ug/L
Unknown		390 J	M	6.3201	ug/L
Unknown		180 J	M	7.5007	ug/L
Unknown		790 J	M	7.693	ug/L
Unknown		750 J	M	8.1525	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-5

TOTAL Metals

Lot-Sample #...: A8K210386-007 Matrix.....: WG
Date Sampled...: 11/20/08 17:10 Date Received..: 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	44.3	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AK
		Dilution Factor: 1				
Lead	29.4	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AL
		Dilution Factor: 1				
Selenium	5.5	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AN
		Dilution Factor: 1				
Antimony	16.7 B	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AP
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AR
		Dilution Factor: 1				
Chromium	9.1 B	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AT
		Dilution Factor: 1				
Copper	11.5 B	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AU
		Dilution Factor: 1				
Nickel	61.7	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AV
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AW
		Dilution Factor: 1				
Zinc	31.6 J	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AX
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWC1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-5

DISSOLVED Metals

Lot-Sample #...: A8K210386-007 Matrix.....: WG
Date Sampled...: 11/20/08 17:10 Date Received..: 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	21.9	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A0
		Dilution Factor: 1				
Lead	35.1	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A1
		Dilution Factor: 1				
Selenium	6.6	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A3
		Dilution Factor: 1				
Antimony	84.7	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A4
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A6
		Dilution Factor: 1				
Chromium	3.8 B	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1A7
		Dilution Factor: 1				
Copper	12.8 B	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AA
		Dilution Factor: 1				
Nickel	51.4	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AC
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AD
		Dilution Factor: 1				
Zinc	13.5 B,J	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWC1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWC1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-6

GC/MS Volatiles

Lot-Sample #...: A8K210386-008 **Work Order #...:** K3GWE1AH **Matrix.....:** WG
Date Sampled...: 11/20/08 15:16 **Date Received..:** 11/21/08
Prep Date.....: 12/03/08 **Analysis Date..:** 12/03/08
Prep Batch #...: 8339098
Dilution Factor: 2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**18 J**	**20**	**ug/L**
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Allyl chloride	ND	4.0	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	**2.3 J**	**20**	**ug/L**
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,4-Dioxane	ND	400	ug/L
Ethylbenzene	ND	2.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutyl alcohol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-6

GC/MS Volatiles

Lot-Sample #...: A8K210386-008 **Work Order #...:** K3GWE1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	20	ug/L
Propionitrile	ND	8.0	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
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW-6

GC/MS Volatiles

Lot-Sample #: A8K210386-008 **Work Order #:** K3GWE1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Unknown		4.6 J	M 12.803	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-6

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-008 **Work Order #...:** K3GWE1AJ **Matrix.....:** WG
Date Sampled...: 11/20/08 15:16 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	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
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-6

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-008 **Work Order #...:** K3GWE1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	2.0	ug/L
Acenaphthene	ND	0.20	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(27 - 111)
2-Fluorobiphenyl	68	(28 - 110)
Terphenyl-d14	75	(37 - 119)
Phenol-d5	75	(10 - 110)
2-Fluorophenol	71	(10 - 110)
2,4,6-Tribromophenol	88	(22 - 120)

Environmental Resources Management Inc

MW-6

GC/MS Semivolatiles

Lot-Sample #: A8K210386-008 **Work Order #:** K3GWE1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		14 J	M	4.6572	ug/L
Unknown		27 J	M	4.8815	ug/L
Unknown		19 J	M	5.1166	ug/L
Unknown		21 J	M	5.1646	ug/L
Unknown		14 J	M	5.2555	ug/L
Unknown		12 J	M	5.3196	ug/L
Unknown		5.4 J	M	5.9286	ug/L
Unknown		13 J	M	5.966	ug/L
Unknown		18 J	M	6.1743	ug/L
Unknown		20 J	M	6.3132	ug/L
Unknown		11 J	M	6.81	ug/L
Unknown		16 J	M	6.9276	ug/L
Unknown		30 J	M	6.9917	ug/L
Unknown		25 J	M	7.0291	ug/L
Unknown		53 J	M	7.2053	ug/L
Unknown Organic Acid		44 J	M	7.4618	ug/L
Unknown		15 J	M	7.4992	ug/L
Unknown		88 J	M	7.6968	ug/L
Unknown		33 J	M	7.9746	ug/L
Unknown		26 J	M	8.199	ug/L
Unknown		25 J	M	9.7215	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-6

TOTAL Metals

Lot-Sample #...: A8K210386-008 Matrix.....: WG
Date Sampled...: 11/20/08 15:16 Date Received..: 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	**20.4**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWE1AK**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AN
		Dilution Factor: 1				
Antimony	**6.5 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWE1AP**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AT
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AU
		Dilution Factor: 1				
Nickel	**17.1 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWE1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AW
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AX
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWE1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW-6

DISSOLVED Metals

Lot-Sample #...: A8K210386-008 Matrix.....: WG
Date Sampled...: 11/20/08 15:16 Date Received..: 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	**16.9**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWE1A0**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1A3
		Dilution Factor: 1				
Antimony	**6.0 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWE1A4**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AA
		Dilution Factor: 1				
Nickel	**15.8 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWE1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AD
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWE1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWE1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW-7

GC/MS Volatiles

Lot-Sample #...: A8K210386-009 **Work Order #...:** K3GWG1AH **Matrix.....:** WG
Date Sampled...: 11/20/08 12:52 **Date Received..:** 11/21/08
Prep Date.....: 12/04/08 **Analysis Date..:** 12/04/08
Prep Batch #...: 8340117
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**12 J**	**50**	**ug/L**
Acetonitrile	ND	100	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Allyl chloride	ND	10	ug/L
Benzene	**5.7**	**5.0**	**ug/L**
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
2-Butanone (MEK)	**3.6 J**	**50**	**ug/L**
Carbon disulfide	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloroprene	ND	10	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
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
1,4-Dioxane	ND	1000	ug/L
Ethylbenzene	ND	5.0	ug/L
Ethyl methacrylate	ND	5.0	ug/L
2-Hexanone	ND	50	ug/L
Iodomethane	ND	5.0	ug/L
Isobutyl alcohol	ND	250	ug/L
Methacrylonitrile	ND	10	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-7

GC/MS Volatiles

Lot-Sample #...: A8K210386-009 **Work Order #...:** K3GWG1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/L
Methyl methacrylate	ND	10	ug/L
4-Methyl-2-pentanone (MIBK)	**2.7 J**	**50**	**ug/L**
Propionitrile	ND	20	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
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	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Xylenes (total)	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to matrix interference.

Environmental Resources Management Inc

MW-7

GC/MS Volatiles

Lot-Sample #: A8K210386-009 **Work Order #:** K3GWG1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.4 J	M	8.2475	ug/L
Unknown		12 J	M	12.803	ug/L
tert-Butyl Alcohol		480	Q	3.396	ug/L

NOTE(S):

Q: Result was quantitated against the response factor of a calibration standard.

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-009 **Work Order #...:** K3GWG1AJ **Matrix.....:** WG
Date Sampled...: 11/20/08 12:52 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 4 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**3.8 J**	**4.0**	**ug/L**
bis(2-Chloroethyl)-ether	ND	4.0	ug/L
2-Chlorophenol	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
2-Methylphenol	ND	4.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	4.0	ug/L
4-Methylphenol	ND	4.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	4.0	ug/L
Hexachloroethane	ND	4.0	ug/L
Nitrobenzene	ND	4.0	ug/L
Isophorone	ND	4.0	ug/L
2-Nitrophenol	ND	8.0	ug/L
2,4-Dimethylphenol	ND	8.0	ug/L
bis(2-Chloroethoxy) methane	ND	4.0	ug/L
2,4-Dichlorophenol	ND	8.0	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
Naphthalene	ND	0.80	ug/L
4-Chloroaniline	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
4-Chloro-3-methylphenol	ND	8.0	ug/L
2-Methylnaphthalene	ND	0.80	ug/L
Hexachlorocyclopenta-diene	ND	40	ug/L
2,4,6-Trichloro-phenol	ND	20	ug/L
2,4,5-Trichloro-phenol	ND	20	ug/L
2-Chloronaphthalene	ND	4.0	ug/L
2-Nitroaniline	ND	8.0	ug/L
Dimethyl phthalate	ND	4.0	ug/L
Acenaphthylene	ND	0.80	ug/L
2,6-Dinitrotoluene	ND	20	ug/L

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-009 Work Order #...: K3GWG1AJ Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	8.0	ug/L
Acenaphthene	ND	0.80	ug/L
2,4-Dinitrophenol	ND	20	ug/L
4-Nitrophenol	ND	20	ug/L
Dibenzofuran	ND	4.0	ug/L
2,4-Dinitrotoluene	ND	20	ug/L
Diethyl phthalate	ND	4.0	ug/L
4-Chlorophenyl phenyl ether	ND	8.0	ug/L
Fluorene	ND	0.80	ug/L
4-Nitroaniline	ND	8.0	ug/L
4,6-Dinitro-2-methylphenol	ND	20	ug/L
N-Nitrosodiphenylamine	ND	4.0	ug/L
4-Bromophenyl phenyl ether	ND	8.0	ug/L
Hexachlorobenzene	ND	0.80	ug/L
Pentachlorophenol	ND	20	ug/L
Phenanthrene	ND	0.80	ug/L
Anthracene	ND	0.80	ug/L
Carbazole	ND	4.0	ug/L
Di-n-butyl phthalate	ND	4.0	ug/L
Fluoranthene	ND	0.80	ug/L
Pyrene	ND	0.80	ug/L
Butyl benzyl phthalate	ND	4.0	ug/L
3,3'-Dichlorobenzidine	ND	20	ug/L
Benzo(a)anthracene	ND	0.80	ug/L
Chrysene	ND	0.80	ug/L
bis(2-Ethylhexyl) phthalate	ND	8.0	ug/L
Di-n-octyl phthalate	ND	4.0	ug/L
Benzo(b)fluoranthene	ND	0.80	ug/L
Benzo(k)fluoranthene	ND	0.80	ug/L
Benzo(a)pyrene	ND	0.80	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.80	ug/L
Dibenz(a,h)anthracene	ND	0.80	ug/L
Benzo(ghi)perylene	ND	0.80	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73 DIL	(27 - 111)
2-Fluorobiphenyl	64 DIL	(28 - 110)
Terphenyl-d14	51 DIL	(37 - 119)
Phenol-d5	78 DIL	(10 - 110)
2-Fluorophenol	69 DIL	(10 - 110)
2,4,6-Tribromophenol	85 DIL	(22 - 120)

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Environmental Resources Management Inc

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-009 Work Order #...: K3GWG1AJ Matrix.....: WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-7

GC/MS Semivolatiles

Lot-Sample #: A8K210386-009 **Work Order #:** K3GWG1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		200 J	M	4.1491	ug/L
Unknown		86 J	M	4.1651	ug/L
Unknown		51 J	M	4.2025	ug/L
Unknown		140 J	M	4.5177	ug/L
Unknown		70 J	M	4.9291	ug/L
Unknown		100 J	M	4.9878	ug/L
Unknown		25 J	M	5.4205	ug/L
Unknown		26 J	M	5.5541	ug/L
Unknown		23 J	M	5.6396	ug/L
Unknown		130 J	M	5.8105	ug/L
Unknown		79 J	M	5.8479	ug/L
Unknown		27 J	M	5.9013	ug/L
Unknown		58 J	M	6.0723	ug/L
Unknown		23 J	M	6.131	ug/L
Unknown		45 J	M	6.1791	ug/L
Unknown		30 J	M	6.3234	ug/L
Unknown		46 J	M	6.3981	ug/L
Unknown		450 J	M	6.5851	ug/L
Unknown		240 J	M	6.6118	ug/L
Unknown		38 J	M	7.3597	ug/L
Unknown		150 J	M	7.6909	ug/L
Unknown		68 J	M	8.129	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-7

TOTAL Metals

Lot-Sample #...: A8K210386-009 **Matrix.....:** WG
Date Sampled...: 11/20/08 12:52 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	**195**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1AK**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AL
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AN
		Dilution Factor: 1				
Antimony	**8.1 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1AP**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AR
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AT
		Dilution Factor: 1				
Copper	**7.9 B**	**25.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1AU**
		Dilution Factor: 1				
Nickel	**28.1 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1AV**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AW
		Dilution Factor: 1				
Zinc	**31.1 J**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1AX**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWG1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-7

DISSOLVED Metals

Lot-Sample #...: A8K210386-009 **Matrix.....:** WG
Date Sampled...: 11/20/08 12:52 **Date Received..:** 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	**192**	**10.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1A0**
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1A1
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1A3
		Dilution Factor: 1				
Antimony	**7.0 B**	**60.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1A4**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1A6
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1A7
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AA
		Dilution Factor: 1				
Nickel	**19.4 B**	**40.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3GWG1AC**
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AD
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWG1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWG1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A8K210386-010 **Work Order #...:** K3GWJ1AH **Matrix.....:** WG
Date Sampled...: 11/20/08 17:10 **Date Received..:** 11/21/08
Prep Date.....: 12/04/08 **Analysis Date..:** 12/04/08
Prep Batch #...: 8340117
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**120**	**50**	**ug/L**
Acetonitrile	ND	100	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Allyl chloride	ND	10	ug/L
Benzene	**11**	**5.0**	**ug/L**
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
2-Butanone (MEK)	**30 J**	**50**	**ug/L**
Carbon disulfide	**1.7 J**	**5.0**	**ug/L**
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloroprene	ND	10	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
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
1,4-Dioxane	ND	1000	ug/L
Ethylbenzene	**4.0 J**	**5.0**	**ug/L**
Ethyl methacrylate	ND	5.0	ug/L
2-Hexanone	ND	50	ug/L
Iodomethane	ND	5.0	ug/L
Isobutyl alcohol	ND	250	ug/L
Methacrylonitrile	ND	10	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A8K210386-010 **Work Order #...:** K3GWJ1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/L
Methyl methacrylate	ND	10	ug/L
4-Methyl-2-pentanone (MIBK)	**170**	**50**	**ug/L**
Propionitrile	ND	20	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
Toluene	**15**	**5.0**	**ug/L**
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	**4.6 J**	**5.0**	**ug/L**
Trichlorofluoromethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Xylenes (total)	**11**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-5 DUPLICATE

GC/MS Volatiles

Lot-Sample #: A8K210386-010 **Work Order #:** K3GWJ1AH **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		500 J	M	12.696	ug/L
Unknown		2400 NJ	M	12.802	ug/L
1,3-Cyclohexadiene, 1-methyl-4	99-86-5	51 NJ	M	13.607	ug/L
1-Propene, 2-methyl-	115-11-7	150 NJ	M	1.8101	ug/L
Unknown		1100 J	M	7.3478	ug/L
Unknown		1300 J	M	7.9276	ug/L
Unknown		110 J	M	8.2471	ug/L
2-Hexanol, 2,5-dimethyl-, (S)-	3730-60-7	270 NJ	M	8.3181	ug/L
Unknown		210 J	M	11.832	ug/L
Unknown		150 J	M	12.625	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-010 **Work Order #...:** K3GWJ1AJ **Matrix.....:** WG
Date Sampled...: 11/20/08 17:10 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/28/08
Prep Batch #...: 8327023
Dilution Factor: 20 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**20**	**20**	**ug/L**
bis(2-Chloroethyl)-ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propyl-amine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	40	ug/L
2,4-Dimethylphenol	**16 J**	**40**	**ug/L**
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	40	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
Naphthalene	ND	4.0	ug/L
4-Chloroaniline	ND	40	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	40	ug/L
2-Methylnaphthalene	ND	4.0	ug/L
Hexachlorocyclopenta-diene	ND	200	ug/L
2,4,6-Trichloro-phenol	ND	100	ug/L
2,4,5-Trichloro-phenol	ND	100	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	40	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	4.0	ug/L
2,6-Dinitrotoluene	ND	100	ug/L

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Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-010 **Work Order #...:** K3GWJ1AJ **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	40	ug/L
Acenaphthene	ND	4.0	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	100	ug/L
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	40	ug/L
Fluorene	ND	4.0	ug/L
4-Nitroaniline	ND	40	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	40	ug/L
Hexachlorobenzene	ND	4.0	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	4.0	ug/L
Anthracene	ND	4.0	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	4.0	ug/L
Pyrene	ND	4.0	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Chrysene	ND	4.0	ug/L
bis(2-Ethylhexyl) phthalate	ND	40	ug/L
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81 DIL	(27 - 111)
2-Fluorobiphenyl	57 DIL	(28 - 110)
Terphenyl-d14	39 DIL	(37 - 119)
Phenol-d5	65 DIL	(10 - 110)
2-Fluorophenol	69 DIL	(10 - 110)
2,4,6-Tribromophenol	84 DIL	(22 - 120)

(Continued on next page)

Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #...: A8K210386-010 **Work Order #...:** K3GWJ1AJ **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

MW-5 DUPLICATE

GC/MS Semivolatiles

Lot-Sample #: A8K210386-010 **Work Order #:** K3GWJ1AJ **Matrix:** WG

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		2000 J	M	4.1455	ug/L
Unknown		560 J	M	4.1829	ug/L
Unknown		270 J	M	4.1989	ug/L
Unknown		180 J	M	4.2363	ug/L
Unknown		400 J	M	4.2791	ug/L
Unknown		730 J	M	4.3485	ug/L
Unknown		1000 J	M	4.4073	ug/L
Unknown		400 J	M	4.84	ug/L
Unknown		1100 J	M	4.8827	ug/L
Unknown		200 J	M	4.9896	ug/L
Unknown		720 J	M	5.1285	ug/L
Unknown		220 J	M	5.2406	ug/L
Unknown		240 J	M	5.8069	ug/L
Unknown		270 J	M	5.9725	ug/L
Unknown		150 J	M	6.074	ug/L
Unknown		150 J	M	6.1328	ug/L
Unknown		610 J	M	6.1809	ug/L
Unknown		180 J	M	6.2076	ug/L
Unknown		330 J	M	6.3198	ug/L
Unknown		150 J	M	6.4159	ug/L
Unknown		740 J	M	7.6927	ug/L
Unknown		860 J	M	8.1361	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

TOTAL Metals

Lot-Sample #...: A8K210386-010 Matrix.....: WG
Date Sampled...: 11/20/08 17:10 Date Received..: 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	21.0	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AK
		Dilution Factor: 1				
Lead	69.3	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AL
		Dilution Factor: 1				
Selenium	6.3	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AM
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AN
		Dilution Factor: 1				
Antimony	63.9	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AP
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AQ
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AR
		Dilution Factor: 1				
Chromium	4.6 B	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AT
		Dilution Factor: 1				
Copper	15.2 B	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AU
		Dilution Factor: 1				
Nickel	49.9	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AV
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AW
		Dilution Factor: 1				
Zinc	19.1 B,J	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AX
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWJ1AF
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: MW-5 DUPLICATE

DISSOLVED Metals

Lot-Sample #...: A8K210386-010 Matrix.....: WG
Date Sampled...: 11/20/08 17:10 Date Received..: 11/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8329017						
Arsenic	33.5	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A0
		Dilution Factor: 1				
Lead	12.5	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A1
		Dilution Factor: 1				
Selenium	6.8	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A2
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A3
		Dilution Factor: 1				
Antimony	91.4	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A4
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A5
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A6
		Dilution Factor: 1				
Chromium	5.6 B	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1A7
		Dilution Factor: 1				
Copper	5.8 B	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AA
		Dilution Factor: 1				
Nickel	56.2	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AC
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AD
		Dilution Factor: 1				
Zinc	10.9 B,J	20.0	ug/L	SW846 6010B	11/24-11/25/08	K3GWJ1AE
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3GWJ1AG
		Dilution Factor: 1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Resources Management Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8K210386-011 **Work Order #...:** K3GW91AA **Matrix.....:** WQ
Date Sampled...: 11/20/08 **Date Received..:** 11/21/08
Prep Date.....: 12/04/08 **Analysis Date..:** 12/04/08
Prep Batch #...: 8340117
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Allyl chloride	ND	2.0	ug/L
Benzene	**0.47 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone (MEK)	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutyl alcohol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L

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Environmental Resources Management Inc

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8K210386-011 **Work Order #...:** K3GW91AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L
Propionitrile	ND	4.0	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
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
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

TRIP BLANK

GC/MS Volatiles

Lot-Sample #: A8K210386-011 **Work Order #:** K3GW91AA **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

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QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K300T1AA **Matrix.....:** WATER
MB Lot-Sample #: A8L030000-296

Prep Date.....: 12/02/08
Analysis Date..: 12/02/08 **Prep Batch #...:** 8338296
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Benzene	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
2-Butanone (MEK)	ND	10	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
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	**15 J**	**50**	**ug/L**	**SW846 8260B**
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K300T1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	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
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	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
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: A8L030000-296 B **Work Order #:** K300T1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K318W1AA **Matrix.....:** WATER
MB Lot-Sample #: A8L040000-098

Prep Date.....: 12/03/08
Analysis Date..: 12/03/08 **Prep Batch #...:** 8339098
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Benzene	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
2-Butanone (MEK)	ND	10	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
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	**12 J**	**50**	**ug/L**	**SW846 8260B**
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K318W1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	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
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	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
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: A8L040000-098 B **Work Order #:** K318W1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K343J1AA **Matrix.....:** WATER
MB Lot-Sample #: A8L050000-117

Prep Date.....: 12/04/08
Analysis Date..: 12/04/08 **Prep Batch #...:** 8340117
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Benzene	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
2-Butanone (MEK)	ND	10	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
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	**11 J**	**50**	**ug/L**	**SW846 8260B**
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K343J1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	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
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	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
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Environmental Resources Management Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: A8L050000-117 B **Work Order #:** K343J1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3G5T1AA **Matrix.....:** WATER
MB Lot-Sample #: A8K220000-023

Prep Date.....: 11/22/08
Analysis Date..: 11/26/08 **Prep Batch #...:** 8327023
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3G5T1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(27 - 111)
2-Fluorobiphenyl	69	(28 - 110)
Terphenyl-d14	100	(37 - 119)
Phenol-d5	71	(10 - 110)
2-Fluorophenol	71	(10 - 110)
2,4,6-Tribromophenol	62	(22 - 120)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3G5T1AA **Matrix.....:** WATER

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A8K210386 **Matrix.....:** WATER

MB Lot-Sample #: A8K240000-017 **Prep Batch #...:** 8329017

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AH
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AJ
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AK
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AL
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AM
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AN
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AP
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AQ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AR
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AT
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AU
		Dilution Factor: 1				
Zinc	**7.9 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3JFA1AV**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3JFA1AF
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: A8K210386 **Matrix.....:** WATER

MB Lot-Sample #: A8K240000-017 **Prep Batch #...:** 8329017

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AW
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AX
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1A0
		Dilution Factor: 1				
Thallium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1A1
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1A2
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1A3
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1A4
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1A5
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AA
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AC
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/24-11/25/08	K3JFA1AD
		Dilution Factor: 1				
Zinc	**7.9 B**	**20.0**	**ug/L**	**SW846 6010B**	**11/24-11/25/08**	**K3JFA1AE**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	11/24-11/25/08	K3JFA1AG
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K300T1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8L030000-296 K300T1AD-LCSD
Prep Date.....: 12/02/08 **Analysis Date..:** 12/02/08
Prep Batch #...: 8338296
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(80 - 116)**			**SW846 8260B**
	98	**(80 - 116)**	**3.5**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**4.5**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**106**	**(63 - 130)**			**SW846 8260B**
	103	**(63 - 130)**	**3.1**	**(0-20)**	**SW846 8260B**
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	97	**(74 - 119)**	**5.6**	**(0-20)**	**SW846 8260B**
Trichloroethene	**104**	**(75 - 122)**			**SW846 8260B**
	99	**(75 - 122)**	**5.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
	98	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	100	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K318W1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8L040000-098 K318W1AD-LCSD
Prep Date.....: 12/03/08 **Analysis Date..:** 12/03/08
Prep Batch #...: 8339098
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(80 - 116)**			**SW846 8260B**
	103	**(80 - 116)**	**9.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**94**	**(76 - 117)**			**SW846 8260B**
	106	**(76 - 117)**	**11**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(63 - 130)**			**SW846 8260B**
	107	**(63 - 130)**	**11**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(74 - 119)**			**SW846 8260B**
	107	**(74 - 119)**	**10**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	110	**(75 - 122)**	**11**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	96	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	87	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	98	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K343J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A8L050000-117 K343J1AD-LCSD
Prep Date.....: 12/04/08 **Analysis Date..:** 12/04/08
Prep Batch #...: 8340117
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(80 - 116)**			**SW846 8260B**
	105	**(80 - 116)**	**11**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**92**	**(76 - 117)**			**SW846 8260B**
	102	**(76 - 117)**	**11**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(63 - 130)**			**SW846 8260B**
	109	**(63 - 130)**	**8.3**	**(0-20)**	**SW846 8260B**
Toluene	**94**	**(74 - 119)**			**SW846 8260B**
	101	**(74 - 119)**	**7.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	108	**(75 - 122)**	**9.0**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	86	(61 - 128)
Toluene-d8	97	(76 - 110)
	93	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	99	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3G5T1AC **Matrix.....:** WATER
LCS Lot-Sample#: A8K220000-023
Prep Date.....: 11/22/08 **Analysis Date..:** 12/01/08
Prep Batch #...: 8327023
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**71**	**(14 - 112)**	**SW846 8270C**
2-Chlorophenol	**75**	**(27 - 110)**	**SW846 8270C**
1,4-Dichlorobenzene	**67**	**(19 - 110)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**76**	**(37 - 121)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**63**	**(25 - 110)**	**SW846 8270C**
4-Chloro-3-methylphenol	**75**	**(39 - 110)**	**SW846 8270C**
Acenaphthene	**79**	**(40 - 110)**	**SW846 8270C**
4-Nitrophenol	**65**	**(12 - 130)**	**SW846 8270C**
2,4-Dinitrotoluene	**81**	**(52 - 123)**	**SW846 8270C**
Pentachlorophenol	**77**	**(26 - 110)**	**SW846 8270C**
Pyrene	**80**	**(55 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(27 - 111)
2-Fluorobiphenyl	77	(28 - 110)
Terphenyl-d14	95	(37 - 119)
Phenol-d5	80	(10 - 110)
2-Fluorophenol	79	(10 - 110)
2,4,6-Tribromophenol	82	(22 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K210386 **Matrix.....:** WATER

LCS Lot-Sample#: A8K240000-017 **Prep Batch #...:** 8329017

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	84	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CD
Lead	88	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CE
Selenium	90	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CF
Thallium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CG
Antimony	83	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CH
Beryllium	86	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CJ
Cadmium	92	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CK
Chromium	93	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CL
Copper	93	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CM
Nickel	90	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CN
Silver	107	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CP
Zinc	94	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CQ
Mercury	91	(81 - 123)	SW846 7470A Dilution Factor: 1	11/24-11/25/08	K3JFA1CA

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K210386 **Matrix.....:** WATER

LCS Lot-Sample#: A8K240000-017 **Prep Batch #...:** 8329017

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	84	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CR
Lead	88	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CT
Selenium	90	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CU
Thallium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CV
Antimony	83	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CW
Beryllium	86	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1CX
Cadmium	92	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1C0
Chromium	93	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1C1
Copper	93	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1A6
Nickel	90	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1A7
Silver	107	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1A8
Zinc	94	(80 - 120)	SW846 6010B Dilution Factor: 1	11/24-11/25/08	K3JFA1A9
Mercury	91	(81 - 123)	SW846 7470A Dilution Factor: 1	11/24-11/25/08	K3JFA1CC

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K3GVW1AX-MS **Matrix.....:** WG
MS Lot-Sample #: A8K210386-004 K3GVW1A0-MSD
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08
Prep Date.....: 12/02/08 **Analysis Date..:** 12/02/08
Prep Batch #...: 8338296
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(78 - 118)**			**SW846 8260B**
	103	**(78 - 118)**	**1.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**104**	**(76 - 117)**			**SW846 8260B**
	103	**(76 - 117)**	**0.87**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**110**	**(62 - 130)**			**SW846 8260B**
	111	**(62 - 130)**	**0.94**	**(0-20)**	**SW846 8260B**
Toluene	**105**	**(70 - 119)**			**SW846 8260B**
	103	**(70 - 119)**	**1.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**108**	**(62 - 130)**			**SW846 8260B**
	108	**(62 - 130)**	**0.47**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	90	(61 - 128)
Toluene-d8	97	(76 - 110)
	94	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	102	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K3L7H1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K250186-001 K3L7H1AM-MSD
Date Sampled...: 11/24/08 15:30 **Date Received..:** 11/25/08
Prep Date.....: 12/03/08 **Analysis Date..:** 12/03/08
Prep Batch #...: 8339098
Dilution Factor: 500

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(78 - 118)**			**SW846 8260B**
	105	**(78 - 118)**	**12**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**94**	**(76 - 117)**			**SW846 8260B**
	104	**(76 - 117)**	**9.8**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**109**	**(62 - 130)**			**SW846 8260B**
	117	**(62 - 130)**	**7.2**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(70 - 119)**			**SW846 8260B**
	103	**(70 - 119)**	**6.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**93**	**(62 - 130)**			**SW846 8260B**
	108	**(62 - 130)**	**11**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
	97	(61 - 128)
Toluene-d8	99	(76 - 110)
	94	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	98	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8K210386 **Work Order #...:** K3HDC1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K220120-020 K3HDC1AD-MSD
Date Sampled...: 11/20/08 **Date Received..:** 11/22/08
Prep Date.....: 12/04/08 **Analysis Date..:** 12/04/08
Prep Batch #...: 8340117
Dilution Factor: 3.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(78 - 118)**			**SW846 8260B**
	95	**(78 - 118)**	**0.25**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**96**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**2.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**92**	**(62 - 130)**			**SW846 8260B**
	99	**(62 - 130)**	**6.7**	**(0-20)**	**SW846 8260B**
Toluene	**106**	**(70 - 119)**			**SW846 8260B**
	110	**(70 - 119)**	**2.9**	**(0-20)**	**SW846 8260B**
Trichloroethene	**107**	**(62 - 130)**			**SW846 8260B**
	106	**(62 - 130)**	**0.85**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	85	(61 - 128)
Toluene-d8	99	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)
	87	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3FX91A2-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K210256-003 K3FX91A3-MSD
Date Sampled...: 11/19/08 10:30 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/26/08
Prep Batch #...: 8327023
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**77**	**(16 - 110)**			**SW846 8270C**
	76	**(16 - 110)**	**1.5**	**(0-30)**	**SW846 8270C**
2-Chlorophenol	**76**	**(26 - 110)**			**SW846 8270C**
	74	**(26 - 110)**	**3.2**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**65**	**(17 - 110)**			**SW846 8270C**
	68	**(17 - 110)**	**5.1**	**(0-30)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**83**	**(25 - 119)**			**SW846 8270C**
	80	**(25 - 119)**	**3.9**	**(0-30)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**61**	**(25 - 110)**			**SW846 8270C**
	62	**(25 - 110)**	**1.8**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**75**	**(33 - 110)**			**SW846 8270C**
	76	**(33 - 110)**	**0.82**	**(0-30)**	**SW846 8270C**
Acenaphthene	**73**	**(36 - 110)**			**SW846 8270C**
	74	**(36 - 110)**	**0.86**	**(0-30)**	**SW846 8270C**
4-Nitrophenol	**75**	**(13 - 127)**			**SW846 8270C**
	72	**(13 - 127)**	**4.0**	**(0-30)**	**SW846 8270C**
2,4-Dinitrotoluene	**76**	**(46 - 119)**			**SW846 8270C**
	79	**(46 - 119)**	**3.8**	**(0-30)**	**SW846 8270C**
Pentachlorophenol	**73**	**(23 - 110)**			**SW846 8270C**
	76	**(23 - 110)**	**3.3**	**(0-30)**	**SW846 8270C**
Pyrene	**75**	**(54 - 115)**			**SW846 8270C**
	77	**(54 - 115)**	**2.3**	**(0-30)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	85	(27 - 111)
	83	(27 - 111)
2-Fluorobiphenyl	80	(28 - 110)
	77	(28 - 110)
Terphenyl-d14	102	(37 - 119)
	99	(37 - 119)
Phenol-d5	84	(10 - 110)
	79	(10 - 110)
2-Fluorophenol	83	(10 - 110)
	77	(10 - 110)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3FX91A2-MS **Matrix.....:** WATER
MS Lot-Sample #: A8K210256-003 K3FX91A3-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	77	(22 - 120)
	78	(22 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3GVW1D4-MS **Matrix.....:** WG
MS Lot-Sample #: A8K210386-004 K3GVW1D5-MSD
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08
Prep Date.....: 11/22/08 **Analysis Date..:** 11/26/08
Prep Batch #...: 8327023
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	**79**	**(16 - 110)**			**SW846 8270C**
	85	**(16 - 110)**	**7.1**	**(0-30)**	**SW846 8270C**
2-Chlorophenol	**78**	**(26 - 110)**			**SW846 8270C**
	81	**(26 - 110)**	**3.6**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**69**	**(17 - 110)**			**SW846 8270C**
	73	**(17 - 110)**	**5.3**	**(0-30)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**83**	**(25 - 119)**			**SW846 8270C**
	88	**(25 - 119)**	**5.0**	**(0-30)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**65**	**(25 - 110)**			**SW846 8270C**
	67	**(25 - 110)**	**2.9**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**79**	**(33 - 110)**			**SW846 8270C**
	81	**(33 - 110)**	**3.1**	**(0-30)**	**SW846 8270C**
Acenaphthene	**80**	**(36 - 110)**			**SW846 8270C**
	82	**(36 - 110)**	**2.3**	**(0-30)**	**SW846 8270C**
4-Nitrophenol	**78**	**(13 - 127)**			**SW846 8270C**
	84	**(13 - 127)**	**6.9**	**(0-30)**	**SW846 8270C**
2,4-Dinitrotoluene	**84**	**(46 - 119)**			**SW846 8270C**
	86	**(46 - 119)**	**2.8**	**(0-30)**	**SW846 8270C**
Pentachlorophenol	**83**	**(23 - 110)**			**SW846 8270C**
	87	**(23 - 110)**	**5.0**	**(0-30)**	**SW846 8270C**
Pyrene	**81**	**(54 - 115)**			**SW846 8270C**
	83	**(54 - 115)**	**2.0**	**(0-30)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(27 - 111)
	92	(27 - 111)
2-Fluorobiphenyl	76	(28 - 110)
	85	(28 - 110)
Terphenyl-d14	99	(37 - 119)
	111	(37 - 119)
Phenol-d5	76	(10 - 110)
	88	(10 - 110)
2-Fluorophenol	77	(10 - 110)
	92	(10 - 110)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A8K210386 **Work Order #...:** K3GVW1D4-MS **Matrix.....:** WG
MS Lot-Sample #: A8K210386-004 K3GVW1D5-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	79	(22 - 120)
	92	(22 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K210386 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A8K210386-004 **Prep Batch #...:** 8329017							
Arsenic	101	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1A5
	100	(75 - 125)	1.1	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1A6
		Dilution Factor: 1					
Lead	101	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1A8
	100	(75 - 125)	1.1	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1A9
		Dilution Factor: 1					
Selenium	105	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CC
	104	(75 - 125)	0.82	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1CD
		Dilution Factor: 1					
Thallium	105	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CF
	104	(75 - 125)	0.80	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1CG
		Dilution Factor: 1					
Antimony	102	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CJ
	102	(75 - 125)	0.59	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1CK
		Dilution Factor: 1					
Beryllium	103	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CM
	102	(75 - 125)	1.2	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1CN
		Dilution Factor: 1					
Cadmium	103	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CQ
	102	(75 - 125)	0.97	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1CR
		Dilution Factor: 1					
Chromium	106	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CU
	105	(75 - 125)	1.4	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1CV
		Dilution Factor: 1					
Copper	107	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1CX
	106	(75 - 125)	1.3	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1C0
		Dilution Factor: 1					
Nickel	103	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1C2
	102	(75 - 125)	1.1	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1C3
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A8K210386 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	116	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1C5
	115	(75 - 125)	0.42	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1C6
		Dilution Factor: 1					
Zinc	108	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1C8
	106	(75 - 125)	1.7	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1C9
		Dilution Factor: 1					
Mercury	95	(69 - 134)			SW846 7470A	11/24-11/25/08	K3GVW1AQ
	93	(69 - 134)	2.3	(0-20)	SW846 7470A	11/24-11/25/08	K3GVW1AR
		Dilution Factor: 1					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K210386 **Matrix.....:** WG
Date Sampled...: 11/19/08 16:12 **Date Received..:** 11/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A8K210386-004 **Prep Batch #...:** 8329017							
Arsenic	101	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DC
	103	(75 - 125)	1.5	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1DD
		Dilution Factor: 1					
Lead	101	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DF
	102	(75 - 125)	1.5	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1DG
		Dilution Factor: 1					
Selenium	104	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DJ
	105	(75 - 125)	1.3	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1DK
		Dilution Factor: 1					
Thallium	104	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DM
	106	(75 - 125)	1.8	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1DN
		Dilution Factor: 1					
Antimony	101	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DQ
	103	(75 - 125)	1.4	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1DR
		Dilution Factor: 1					
Beryllium	102	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DU
	104	(75 - 125)	1.3	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1DV
		Dilution Factor: 1					
Cadmium	102	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1DX
	103	(75 - 125)	1.7	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1D0
		Dilution Factor: 1					
Chromium	105	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1D2
	106	(75 - 125)	1.6	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1D3
		Dilution Factor: 1					
Copper	106	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1AC
	108	(75 - 125)	1.4	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1AD
		Dilution Factor: 1					
Nickel	103	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1AF
	104	(75 - 125)	1.2	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1AG
		Dilution Factor: 1					

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0406)

Client	Project Manager	Date	Chain of Custody Number
ERM	JERRY JACOBS		000691
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
30775 BAINBRIDGE RD. SUITE 180	(440)542-0750 / 440-542-0753		
City SOLON	**State** OH **Zip Code** 44139	**Site Contact**	**Lab Contact** PAT O'MEARA
Project Name and Location (State) FERRONES LAGOON / BALLVILLE, OH	**Carrier/Waybill Number** UPS		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs	SVOCs	Total Metals	Dissolved Metals	Special Instructions/ Conditions of Receipt
MW-2	11/20/08	0823		X			2		2	3			✓	✓	✓	✓	
MW-4	11/20/08	0954		X			2		2	3			✓	✓	✓	✓	
MW-8	11/20/08	1402		X			2		2	3			✓	✓	✓	✓	LAB FILTER Dissolved Metals
MW-3 MS/DS	11/19/08	1612		X			4		4	6			✓	✓	✓	✓	
MW12	11/20/08	0930		X			2		1	0						✓	LAB FILTER DISSOLVED METALS
EQUIPMENT BLANK II	11/20/08	1345		X			2		1	3			✓	✓	✓		
MW-5	11/20/08	1710		X			2		2	3			✓	✓	✓	✓	
MW-6	11/20/08	1516		X			2		2	3			✓	✓	✓	✓	
MW-7	11/20/08	1252		X			2		2	3			✓	✓	✓	✓	
MW-5 DUPLICATE	11/20/08	1710		X			2		2	3			✓	✓	✓	✓	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
AARON FREDERILY	11/21/08	12:30		11/21/08	1230
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: A8K210386 Matrix.....: WG
Date Sampled...: 11/19/08 16:12 Date Received...: 11/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	114	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1AJ
	117	(75 - 125)	2.5	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1AK
		Dilution Factor: 1					
Zinc	107	(75 - 125)			SW846 6010B	11/24-11/25/08	K3GVW1AM
	109	(75 - 125)	1.5	(0-20)	SW846 6010B	11/24-11/25/08	K3GVW1AN
		Dilution Factor: 1					
Mercury	96	(69 - 134)			SW846 7470A	11/24-11/25/08	K3GVW1AU
	97	(69 - 134)	0.44	(0-20)	SW846 7470A	11/24-11/25/08	K3GVW1AV
		Dilution Factor: 1					

NOTE(S):
Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: ABK210386

Client ERM Project _____ By: _____ (Signature)

Cooler Received on 11-21-8 Opened on 11-21-8

FedEx ☐ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☒ TestAmerica Courier ☐ Other _____

TestAmerica Cooler # _____ Multiple Coolers ☒ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____ Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☐ No ☒
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps ☒
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☒ NA ☐
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

received 2x40 TB not on coc will log
split 1x250 for ID mw-8 for DISS metals received 2x
nitric preserved 1x marked to be filtered in lab already preserved.

received 1x nitric preserved for ID mw12 for lab to filter
3 preserve will archive bottle over.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) 1x mw8 2x mw5, mw6, mw7, Dup were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 100108-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN$/NaOH.* What time was preservative added to sample(s)? 1727

Client ID	pH	Date	Initials
2	<2 <2	11-21-8	
4	<2 <2		
8	<2 ≥3		
3	<2 <2 ≥3 <2		
EQ	≥3 <2		
5	<2 <2		
6	<2 <2		
7	<2 <2		

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW12	≥3	11-21-8	
DUP	<2 <2		

Cooler #	Temp. °C	Method	Coolant
A46	0.8	IR	Ice
L793	0.2		
L609	2.2		

Discrepancies Cont'd:

Dup was crossed off 3x40 vials for MW-5 Dup will log for MW-5 COC.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

END OF REPORT

Appendix C
Site Photographs

Photograph: *1*	*March 2008 – Looking south on the western side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *2*	*March 2008 – Southwest corner of capped area.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *3*	*March 2008 – Looking north on the eastern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *4*	*March 2008 – Looking east on the northern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *5*	*March 2008 – Animal burrow on the eastern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *6*	*May 2008 – Looking south on the western side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *7*	*May 2008 – Looking north on the eastern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *8*	*May 2008 – Looking south on the north eastern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *9*	*May 2008 – Looking east on the northern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *10*	*May 2008 – Looking north on western side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *11*	*June 2008 – Looking north on eastern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *12*	*June 2008 – Looking south on top of cap northern side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *13*	*June 2008 – Looking south on western side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *14*	*September 2008 – Looking east from northwest corner.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *15*	*September 2008 – Looking south from western side.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *16*	*September 2008 – Looking south from middle of cap.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Photograph: *17*	*September 2008 – Trees on north side of cap.*	
Greiner's Lagoon	**ERM**	*Ballville Township, Ohio*

Appendix D
Field Sampling Forms

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-1

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/19/2008
Project Number: 0047810
Sample Time: 1435

Screened Interval:
Initial Depth to Water (ft): 20.29
Measured Well Depth (ft): 49.57
Length of Water Column (ft): 29.28
Well Inner Diameter (in): 2
1 Well Volume (gal): 4.77 x 3 = 14.3

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/19/2008	1342	Initial	22.90	7.95	501	7.00	-	10.3	-
	1350	5.0	24.80	8.01	547	12.0	-	10.8	-
	1359	10.0	24.25	7.79	547	17.0	-	10.0	-
	1413	14.5	21.20	7.70	541	22.3	-	10.4	-
Low Flow									
	1420	14.5	21.21	7.71	592	331	-	9.9	-
	1426	15.0	21.28	7.72	553	85.9	-	9.9	-
	1431	15.5	21.30	7.68	547	32.1	-	10.0	-
	1435	16.0	21.21	7.69	546	24.2	-	9.9	-

Volume Purged Prior to Sample Collection: 16.0
Depth to Water during Sample Collection: 21.21

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.05 / 1413 STD @ 1417
Top of Pump: 43.67 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-2

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/20/2008
Project Number: 0047810
Sample Time: 0823

Screened Interval:
Initial Depth to Water (ft): 22.03
Measured Well Depth (ft): 60.37
Length of Water Column (ft): 38.34
Well Inner Diameter (in): 2
1 Well Volume (gal): 6.25 x 3 = 18.7

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/20/2008	0735	Initial	22.03	12.04	1015	53.2	-	11.0	-
	0742	6.0	22.15	10.93	585	49.3	-	10.4	-
	0753	12.0	22.17	8.57	606	79.7	-	10.3	-
	0804	18.75	22.17	8.11	607	79.1	-	10.2	-
Low Flow									
	0810	18.75	22.15	8.02	612	120	-	9.1	-
	0814	19.5	22.15	7.95	611	184	-	10.0	-
	0819	20.0	22.15	7.96	614	153	-	10.0	-
	0823	20.5	22.15	7.93	613	288	-	10.2	-

Volume Purged Prior to Sample Collection: 20.5
Depth to Water during Sample Collection: 22.15

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Top of Pump: 43.65 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-3

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/19/2008
Project Number: 0047810
Sample Time: 1612

Screened Interval:
Initial Depth to Water (ft): 21.47
Measured Well Depth (ft): 46.5
Length of Water Column (ft): 25.03
Well Inner Diameter (in): 2
1 Well Volume (gal): 4.08 x 3 = 12.2

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/19/2008	1532	Initial	21.47	9.40	672	9.53	-	10.0	-
	1538	4.0	21.50	8.84	732	8.23	-	9.9	-
	1545	8.0	21.50	8.58	729	9.57	-	10.1	-
	1555	12.5	21.50	8.41	747	12.8	-	10.1	-
Low Flow									
	1601	12.5	21.52	8.48	772	34.7	-	9.8	-
	1606	13.0	21.50	8.39	794	25.5	-	10.0	-
	1609	13.5	21.50	8.39	789	14.6	-	10.0	-
	1612	14.0	21.50	8.42	787	8.36	-	10.0	-

Volume Purged Prior to Sample Collection: 14.0
Depth to Water during Sample Collection: 21.50

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.03 / 1413 STD @ 1414
Top of Pump: 38.38 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-4

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/20/2008
Project Number: 0047810
Sample Time: 0958

Screened Interval:
Initial Depth to Water (ft): 8.87
Measured Well Depth (ft): 15.15
Length of Water Column (ft): 6.28
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.02 x 3 = 3.1

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/20/2008	0902	Initial	8.87	6.89	1986	70.3	-	11.2	-
	0904	1.0	11.42	6.91	1912	191	-	11.7	-
	0907	2.0	13.60	6.91	2570	>1000	-	11.9	-
	0910	3.0	14.15	6.95	1951	>1000	-	11.5	-
Low Flow									
	0919	3.0	13.78	6.95	1908	382	-	10.8	-
	0925	3.5	Below Pump	6.93	1802	34.0	-	10.2	-
	0940	Dry	-	-	-	-	-	-	-
	0958	Initial	13.65	6.90	1767	7.24	-	9.3	-

Volume Purged Prior to Sample Collection: 3.5
Depth to Water during Sample Collection: 13.65

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.03 / 1413 STD @ 1394
Top of Pump: 13.93 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-5

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/20/2008
Project Number: 0047810
Sample Time: 1710

Screened Interval:
Initial Depth to Water (ft): 8.43
Measured Well Depth (ft): 17.12
Length of Water Column (ft): 8.69
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.42 x 3 = 4.2

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/20/2008	1620	Initial	8.43	8.00	939	26.3	-	13.1	-
	1624	1.5	11.91	8.28	754	40.7	-	13.3	-
	1629	2.5	13.16	8.28	770	50.0	-	13.4	-
	1635	4.5	16.05	7.54	1086	302	-	13.1	-
	1640	5.0	Dry						
Low Flow									
	1710	5.0	Below Pump	8.06	1006	326	-	10.5	-

Volume Purged Prior to Sample Collection: 5.0
Depth to Water during Sample Collection: Below Pump

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.00 / 1413 STD @ 1409
Top of Pump: 16.06 from TOC

Very strong hydrocarbon odor

ERM®

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-6

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/20/2008
Project Number: 0047810
Sample Time: 1516

Screened Interval:
Initial Depth to Water (ft): 3.18
Measured Well Depth (ft): 14.16
Length of Water Column (ft): 10.98
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.79 x 3 = 5.4

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/20/2008	1439	Initial	3.18	7.36	1106	81.8	-	9.3	-
	1443	1.5	5.00	7.39	917	28.8	-	10.7	-
	1448	3.5	6.41	7.42	878	29.6	-	11.4	-
	1453	5.5	7.90	7.49	876	35.8	-	11.4	-
Low Flow									
	1504	5.5	6.15	7.49	1050	70.1	-	9.7	-
	1508	6.0	6.21	7.55	845	30.8	-	10.9	-
	1512	6.5	6.56	7.57	809	25.9	-	10.6	-
	1516	7.0	6.81	7.54	795	22.0	-	10.6	-

Volume Purged Prior to Sample Collection: 7.0
Depth to Water during Sample Collection: 6.81

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 6.96 / 1413 STD @ 1404
Top of Pump: 12.14 from TOC

Strong hydrocarbon odor

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-7

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/20/2008
Project Number: 0047810
Sample Time: 1252

Screened Interval:
Initial Depth to Water (ft): 6.99
Measured Well Depth (ft): 15.15
Length of Water Column (ft): 8.16
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.33 x 3 = 4.0

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/20/2008	1107	Initial	6.99	7.08	1754	75.7	-	10.8	-
	1113	2.0	10.31	7.19	1948	34.0	-	12.6	-
	1117	3.0	11.27	7.22	3030	35.7	-	12.7	-
	1121	4.0	12.14	7.32	1971	>1000	-	12.5	-
Low Flow	1220	4.0	8.99	7.48	3080	70.4	-	11.4	-
	1224	4.5	9.68	7.41	3020	26.4	-	12.3	-
	1230	5.0	9.85	7.44	3020	14.7	-	11.9	-
	1235	5.5	10.15	7.40	1872	8.82	-	11.9	-
	1240	6.0	10.53	7.37	1814	7.54	-	12.3	-
	1246	6.5	11.01	7.36	1779	7.22	-	12.1	-
	1252	7.0	11.89	7.44	1754	7.14	-	12.2	-

Volume Purged Prior to Sample Collection: 7.0
Depth to Water during Sample Collection: 11.89

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.07 / 1413 STD @ 1418
Top of Pump: 12.55 from TOC

Purge water black with black flakes; Strong hydrocarbon odor.

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-8

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/20/2008
Project Number: 0047810
Sample Time: 1402

Screened Interval:
Initial Depth to Water (ft): 5.25
Measured Well Depth (ft): 14.6
Length of Water Column (ft): 9.35
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.52 x 3 = 4.6

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/20/2008	1024	Initial	5.25	6.87	2890	22.0	-	12.1	-
	1027	1.5	12.60	6.82	1913	>1000	-	12.1	-
	1030	2.0	Dry						
Low Flow									
	1402	2.0	5.23	6.93	1216	490	-	11.9	-

Volume Purged Prior to Sample Collection: 2.0
Depth to Water during Sample Collection: 5.23

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 6.99 / 1413 STD @ 1417

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-9

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/19/2008
Project Number: 0047810
Sample Time: 1002

Screened Interval:
Initial Depth to Water (ft): 7.79
Measured Well Depth (ft): 16.80
Length of Water Column (ft): 9.01
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.47 x 3 = 4.4

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/19/2008	0853	Initial	7.79	7.55	7050	123	-	11.3	-
	858	1.0	9.77	7.56	6770	551	-	11.2	-
	910	3.0	13.54	7.56	7210	>1000	-	11.1	-
	924	4.5	16.30	7.59	7120	>1000	-	11.7	-
Low Flow									
	942	4.5	13.11	7.66	7720	>1000	-	10.6	-
	947	5.0	13.36	7.66	7880	163	-	11.1	-
	953	5.5	13.74	7.68	7980	83.4	-	11.3	-
	958	6.0	13.91	7.61	7910	66.8	-	11.4	-
	1002	6.5	13.92	7.63	7940	53.0	-	11.2	-

Volume Purged Prior to Sample Collection: 6.5
Depth to Water during Sample Collection: 13.92

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Top of Pump: 14.02 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-10

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/18/2008
Project Number: 0047810
Sample Time: 0817

Screened Interval:
Initial Depth to Water (ft): 12.20
Measured Well Depth (ft): 16.87
Length of Water Column (ft): 4.67
Well Inner Diameter (in): 2
1 Well Volume (gal): 0.76 x 3 = 2.3

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/17/2008	1608	Initial	12.20	7.26	2440	9.14	-	11.2	-
	1611	1.5	14.33	7.13	2460	264	-	11.4	-
	1614	2.0	14.93	7.14	2460	426	-	11.4	-
	1617	2.5	15.60	7.14	2440	7.62	-	11.4	-
Low Flow									
	1649	2.5	15.10	7.43	2410	271	-	10.8	-
	1654	3.0	Below Pump	7.29	2360	34.3	-	11.0	-
	1658	3.5	Below Pump	7.30	2370	31.1	-	10.4	-
	1703	<4.0	Dry						
11/18/2008	0817	Initial	12.78	7.23	2210	54.2	-	10.1	-

Volume Purged Prior to Sample Collection: 4.0
Depth to Water during Sample Collection: 12.78

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Top of Pump: 15.65 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-11

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/19/2008
Project Number: 0047810
Sample Time: 1154

Screened Interval:
Initial Depth to Water (ft): 10.84
Measured Well Depth (ft): 16.54
Length of Water Column (ft): 5.7
Well Inner Diameter (in): 2
1 Well Volume (gal): 0.93 x 3 = 2.8

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/18/2008	1233	Initial	10.84	7.02	7430	35.8	-	10.7	-
	1235	1.0	12.37	7.02	7450	52.8	-	11.3	-
	1238	2.0	13.59	7.02	7430	320	-	11.0	-
	1241	3.0	15.95	7.04	7410	766	-	10.8	-
	1243	3.5	Dry						
11/19/2008	1154	Initial	10.77	7.16	6300	43.6	-	9.1	-

Volume Purged Prior to Sample Collection: 3.5
Depth to Water during Sample Collection: 10.77

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.07 / 1413 STD @ 1395
Top of Pump: 13.38 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-12

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/19-20/2008
Project Number: 0047810
Sample Time: 1127 / 0930

Screened Interval:
Initial Depth to Water (ft): 13.27
Measured Well Depth (ft): 16.64
Length of Water Column (ft): 3.37
Well Inner Diameter (in): 2
1 Well Volume (gal): 0.55 x 3 = 1.6

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: Bailer

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/18/2008	1251	Initial	13.27	13.27	6680	57.0	-	10.8	-
	1253	1.0	15.44	15.44	6670	194	-	10.9	-
	1256	1.5	Dry						
11/19/2008	1127	Initial	14.61	7.11	5190	38.80		9	
11/20/2008	930	Collected disolved metals for lab filter							

Volume Purged Prior to Sample Collection: 1.5
Depth to Water during Sample Collection: 14.61

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.08 / 1413 STD @ 1422

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-13

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/18/2008
Project Number: 0047810
Sample Time: 1626

Screened Interval:
Initial Depth to Water (ft): 5.20
Measured Well Depth (ft): 16.8
Length of Water Column (ft): 11.6
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.89 x 3 = 5.7

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/18/2008	1530	Initial	5.20	7.16	1073	4.62	-	9.0	-
	1533	2.0	5.55	7.44	3040	82.2	-	10.0	-
	1536	4.0	5.75	7.21	1192	43.4	-	9.5	-
	1540	6.0	5.65	7.21	1296	29.8	-	9.7	-
Low Flow									
	1552	6.0	5.39	8.04	7740	46.7	-	9.4	-
	1559	7.0	5.43	7.56	4050	61.6	-	9.8	-
	1611	8.0	5.40	7.32	2680	13.6	-	9.6	-
	1618	9.0	5.40	7.32	2590	9.26	-	9.4	-
	1622	9.5	5.40	7.30	2550	8.65	-	9.4	-
	1626	10	5.40	7.30	2530	8.20	-	9.4	-

Volume Purged Prior to Sample Collection: 10.0
Depth to Water during Sample Collection: 5.40

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.03 / 1413 STD @ 1408
Top of Pump: 11.08 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: MW-14

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/18/2008
Project Number: 0047810
Sample Time: 1430

Screened Interval:
Initial Depth to Water (ft): 4.74
Measured Well Depth (ft): 16.45
Length of Water Column (ft): 11.71
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.91 x 3 = 5.7

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/18/2008	1328	Initial	4.74	7.32	694	13.4	-	8.8	-
	1331	2.0	5.63	7.16	1159	330	-	10.2	-
	1337	4.0	5.61	7.11	1397	381	-	9.8	-
	1344	6.0	5.11	7.11	1516	433	-	10.3	-
Low Flow									
	1408	6.0	5.03	6.99	1967	405	-	9.1	-
	1411	6.5	5.05	6.96	1969	272	-	10.3	-
	1415	7.0	5.05	7.01	1784	92.3	-	9.5	-
	1420	7.5	5.05	7.02	1694	36.8	-	9.5	-
	1426	8.0	5.06	7.06	1656	23.5	-	9.5	-
	1430	8.5	5.06	7.06	1665	12.30	-	9.5	-

Volume Purged Prior to Sample Collection: 8.5
Depth to Water during Sample Collection: 5.06

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.08 / 1413 STD @ 1403
Top of Pump: 11.01 from TOC

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: MW-15

ERM
30775 Bainbridge Road
Suite 180
Solon, OH 44139

Project: Griener's Lagoon
Sample Date: 11/18/2008
Project Number: 0047810
Sample Time: 0945

Screened Interval:
Initial Depth to Water (ft): 5.41
Measured Well Depth (ft): 17.30
Length of Water Column (ft): 11.89
Well Inner Diameter (in): 2
1 Well Volume (gal): 1.94 x 3 = 5.8

Water Volume/ft. for:
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Aaron Fredericy
Sampler Affiliation: ERM

Purge Method/Equipment: Bailer
Stabilization Test Equipment: Oakton 300 & Hach 2100P
Sampling Method/Equipment: QED SamplePro Micropurge Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
11/18/2008	0913	Initial	5.45	7.57	883	7.61	-	10.9	-
	0917	2.0	5.75	7.41	852	975	-	11.9	-
	0920	4.0	5.75	7.38	961	>1000	-	12.5	-
	0923	6.0	5.80	7.39	988	>1000	-	11.6	-
Low Flow									
	0930	6.0	5.62	7.17	1063	>1000	-	8.9	-
	0934	6.75	5.62	7.17	1096	>1000	-	11.3	-
	0939	7.5	5.62	7.16	1006	554	-	11.3	-
	0945	8.0	5.62	7.18	964	318	-	11.2	-

Volume Purged Prior to Sample Collection: 8.0
Depth to Water during Sample Collection: 5.62

Analysis/Parameter	Container/Volume	Preservative/Preparation
VAP VOCs	40 mL Vials	HCl
TAL Metals (unfiltered)	1000 mL Poly	HNO_3
TAL Metals (filtered)	1000 mL Poly	HNO_3
SVOCs	1000 mL Amber	None

Remarks:
Recalibration: 7.0 STD @ 7.08 / 1413 STD @ 1412
Top of Pump: 11.53 from TOC