DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Altamont Environmental, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Marta A VanDussen Phone: (828) 281-3350

E-mail: mvandussen@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Madison County Operating Solid Waste Facility	271 Craig Rudisill Road Marshall, NC 28714	58-03	.0500 & .1600	April 14-16, 2009

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☒ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Joel D. Lenk — Facility Representative Name (Print)
P.G. — Title
(828) 281-3350 — (Area Code) Telephone Number

Signature — 6/24/09 Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

Revised 01/2007

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SPRING 2009 SEMIANNUAL WATER QUALITY MONITORING REPORT

MADISON COUNTY
OPERATING SOLID WASTE FACILITY
MADISON COUNTY, NORTH CAROLINA
PERMIT # 58-03

Prepared for
Madison County, North Carolina

June 25, 2009

Prepared by
Altamont Environmental, Inc.

Joel D. Lenk, P.G.
Project Geologist

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1.0 INTRODUCTION

The Madison County Solid Waste Department operates a solid waste facility (Operating Landfill) located on Craig Rudisill Road, west of U.S. Highway 25/70 and Marshall, North Carolina (Figure 1). The Operating Landfill includes the following permitted components:

- An operating Construction and Demolition Debris (C&D) landfill cell
- An operating transfer station
- A closed C&D landfill cell
- A closed Municipal Solid Waste (MSW) landfill cell (Cell No. 1; Figure 2)

The facility also contains a lined leachate basin. State and federal regulations applicable to landfills are enforced by the North Carolina Department of Environment and Natural Resources (DENR), Division of Waste Management (DWM). The solid waste facility is permitted by the DENR DWM under Permit No. 58-03. The permit requires semiannual monitoring of groundwater, surface-water, and leachate quality.

This report documents the first semiannual groundwater, surface water, and leachate monitoring event for 2009, and is being submitted in accordance with requirements stipulated in the DENR Solid Waste Management Rules, Title 15A, Subchapter 13B, of the North Carolina Administrative Code (15A NCAC 13B). This semiannual report provides an evaluation of groundwater, surface-water, and leachate quality for the solid waste facility.

Specifically, this report contains the following items:

- Depth-to-groundwater measurements and corresponding groundwater elevations
- A map depicting groundwater and surface water sampling locations
- Generalized groundwater flow direction map
- Groundwater, leachate, and surface water quality analytical results
- Sampling logs
- Laboratory analytical reports and chain-of-custody forms

2.0 METHODS

On April 14 through 16, 2009, Altamont Environmental, Inc. (Altamont) collected nine groundwater samples from monitoring wells, two surface-water samples, and an aqueous sample from the lined leachate basin. One of the monitoring wells sampled, 5803-MW-06R, is upgradient from the landfill. Groundwater collected from this well represents background groundwater quality at the site. This monitoring well was installed on September 30, 2008 as a replacement to the pre-existing background monitoring well, 5803-MW-06, which has historically been dry. Sampling locations are shown on Figures 2 and 3.

2.1 GROUNDWATER PURGING AND SAMPLING METHODS

Prior to collecting groundwater samples from the monitoring wells, the static water level was measured in each well. The monitoring wells were purged using low-flow techniques in accordance with the procedures described in *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures,* United States Environmental Protection Agency (EPA), Groundwater Issues (April 1996). During purging, the pH, specific conductivity, dissolved oxygen, oxidation-reduction potential (ORP), turbidity, and temperature were measured and recorded approximately every three minutes. Well purging continued until these parameters stabilized for three consecutive readings. The required stabilization criteria are as follows:

- pH values within +/- 0.1 unit
- specific conductivity values within +/- 3 percent
- temperature, dissolved oxygen, and turbidity values within +/- 10 percent
- ORP values within +/- 10 millivolts

At that time, a groundwater sample was collected using laboratory-supplied sample containers by a technician wearing a new pair of non-reactive nitrile gloves.

2.2 SURFACE WATER SAMPLING METHODS

Surface-water samples 5803-SW-01 and 5803-SW-02 were collected at designated locations from an unnamed tributary to Walnut Creek that flows in a northerly direction adjacent to the western border of the Operating Landfill. Sample 5803-SW-01 is representative of surface-water quality upstream of the Operating Landfill; 5803-SW-02 is representative of surface-water quality downstream from the landfill. Samples were collected in laboratory-supplied sample containers by a technician wearing a new pair of non-reactive nitrile gloves. As with groundwater sampling, temperature, pH, specific conductivity, dissolved oxygen, and turbidity were measured and recorded at each surface-water sampling location preceding sample collection (Table 1). Field parameters and additional observations pertaining to the Operating Landfill are provided on sampling logs, which are included in Appendix A.

2.3 LEACHATE SAMPLING METHODS

As stated in the previous section, an aqueous sample was collected from the lined leachate basin (5803-LP-1) concurrently with the surface-water and groundwater samples. Since leachate was not flowing into the basin during the sampling event, the sample was collected from the location below where leachate enters the basin via an approximately 36-inch diameter discharge pipe. One round of field parameters was measured and recorded for the sample (see Table 1). The sampling log for 5803-LP-1 is included in Appendix A.

2.4 SAMPLE HANDLING, DOCUMENTATION, AND ANALYSIS

Field parameters and additional observations pertaining to the C&D landfill sampling locations are provided on sampling logs, which are included as Appendix A. Following collection, each aqueous sample, was immediately placed on ice in a sample cooler for transport to Pace Analytical Laboratories (Pace), a North Carolina certified laboratory located in Asheville, North Carolina. Altamont submitted the groundwater samples collected from the monitoring wells and the surface-water samples for analysis as follows:

- Appendix I VOCs using EPA Method 8260
- Appendix I Metals using EPA Methods 6010, 6020, and 7470

The leachate sample was analyzed for the following parameters:

- Appendix I VOCs using EPA Method 8260
- Appendix I Metals using EPA Methods 6010 and 7470
- Biochemical Oxygen Demand (BOD) using Standard Method (SM) 5210B
- Chemical Oxygen Demand (COD) using SM 5220D
- Nitrogen/nitrate using EPA Method 353.2
- Total phosphorus using EPA Method 365.1
- Sulfate using American Society for Testing and Materials (ASTM) Method D516-90

Proper chain-of-custody documentation was followed during collection and transportation of each sample, and is included in Appendix B of this report. A trip blank provided by the laboratory was placed in the sample cooler and analyzed for Appendix I volatile organic compounds (VOCs). The laboratory analytical reports are provided in Appendix B.

3.0 FINDINGS

3.1 ANALYTICAL RESULTS

The laboratory analytical results for groundwater, surface water, and the lined leachate basin samples collected at the landfill are listed in Table 1. Table 1 is displayed in the Electronic Data Deliverable format specified by the Solid Waste Section (SWS) of the DENR DWM memorandum dated October 27, 2006. The laboratory analytical report issued by Pace is included in Appendix B.

As stipulated in the October 27, 2006 memorandum referenced above, non-detections were reported as Below Quantitation Limit (BQL), and all concentrations exceeding the laboratory-specific Method Detection Limit (MDL) were reported and appropriately qualified (see Tables 1 through 3). The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99% confidence that the analyte concentration is greater than zero. All detections were compared to analyte-specific Solid Waste Section Limits (SWSLs) established by the SWS. The SWSL is the lowest concentration of an analyte in a sample that can be quantitatively determined with suitable precision and accuracy. If the reported concentration is above the laboratory MDL and below the SWSL, the analytical result is qualified as estimated, and is flagged with a "J" qualifier (J-flag). Concentrations below SWSLs are not reported in the text of this report, unless they exceed respective water quality standards.

Detected concentrations of analytes in groundwater samples were compared to the value specified by 15A NCAC 2L.0202 groundwater quality standards (2L Standards). Detected concentrations of analytes in groundwater with no established 2L Standard were compared to the Groundwater Protection Standard (GWPS) pursuant to 15A NCAC 13B.1634. Detections of analytes in surface-water samples were compared to the standard from the 15A NCAC 2B.0200s surface-water quality standards (2B Standard).

3.1.1 Groundwater-Monitoring Wells

Analytical results for groundwater samples collected from the monitoring wells are discussed below. Analytical results are summarized in Tables 1 through 3. The laboratory reports are included in Appendix B.

Appendix I Metals (EPA Methods 6010, 6020, and 7470)

Eleven metals (barium, beryllium, cadmium, chromium, cobalt, copper, nickel, selenium, silver, vanadium, and zinc) were detected in one or more of the groundwater samples at estimated concentrations above the respective MDLs but below the pertinent SWSLs. These results are qualified with a J-flag in Table 1.

The following metals were detected at concentrations above the associated SWSL but below the applicable 2L Standard or GWPS (Table 2):

- Barium (2L Standard: 2,000 µg/L): 5803-MW-02 (110 µg/L), 5803-MW-03 (214 µg/L), 5803-MW-04 (125 µg/L), 5803-MW-06R (137 µg/L), 5803-MW-07R (140 µg/L), and 5803-MW-09 (143 µg/L)
- Beryllium (GWPS: 4 µg/L): 5803-MW-06R (1.1 µg/L)
- Cobalt (GWPS: 70 µg/L): 5803-MW-03 (88.9 µg/L) and 5803-MW-06R (13.6 µg/L)
- Zinc (2L Standard: 1,050 µg/L): in 5803-MW-06R (39.4 µg/L)

The following metals were detected at concentrations above their respective 2L Standards or GWPSs (Table 3):

- Cobalt (GWPS: 70 µg/L): 5803-MW-03 (88.9 µg/L)
- Vanadium (GWPS: 3.5 µg/L): 5803-MW-04 (4.5 µg/L), 5803-MW-05 (4.3 µg/L), 5803-MW-06R (16.2 µg/L), 5803-MW-07R (6.3 µg/L), 5803-MW-08 (4.7 µg/L), and 5803-MW-09 (3.7 µg/L)

It should be noted that the measured turbidity values for the groundwater samples from all of the monitoring wells, except for 5803-MW-06R and 5803-MW-07R, ranged from 0.00 to 23.09 nephelometric turbidity units (NTUs), which are acceptable values for groundwater samples (Table 1).

The groundwater samples from the two remaining monitoring wells showed the following turbidity values:

- 5803-MW-06R at 118.6 NTUs
- 5803-MW-07R at 101.01 NTUs

These are high turbidity values and indicate that the samples contained solid particles that were washed into the wells from the formation in which the wells are screened. Naturally occurring metals tend to adsorb to the surfaces of these solid particles. The concentrations of metals detected in these groundwater-monitoring wells that may represent both the dissolved metals in the groundwater and the metals that were adsorbed to the solid particles, potentially resulting in a false positive result.

Appendix I VOCs (EPA Method 8260)

One VOC (acetone) was detected at an estimated concentration (2.3 µg/L) below its SWSL in the groundwater sample collected from monitoring well (5803-MW-02). Since acetone was also detected at a comparable level (2.8 µg/L) in the trip blank, it is likely that the concentration detected in the groundwater sample collected from monitoring well 5803-MW-02 is a laboratory artifact; acetone is commonly used by laboratories as a rinsing agent for glassware.

VOCs were not detected in the groundwater samples at concentrations above their associated SWSLs, applicable 2L Standards, or GWPSs.

3.1.2 Surface Water

Analytical results for the surface-water samples collected from the unnamed branch adjacent to the landfill are discussed below. Analytical results are summarized in Tables 1 through 3. The laboratory report is included in Appendix B.

Appendix I Metals (EPA Methods 6010, 6020, and 7470)

Eight metals (barium, beryllium, chromium, cobalt, copper, silver, vanadium, and zinc) were detected in the surface-water samples at estimated concentrations above the respective MDLs, but below the pertinent SWSLs. These results are qualified with J-flags in Table 1.

Metals were not detected in the surface-water samples at concentrations above associated SWSLs or 2B Standards.

Appendix I VOCs (EPA Method 8260)

VOCs were not detected in either of the surface water samples.

3.1.3 Lined Leachate Basin

Appendix I Metals (EPA Methods 6010, 6020, and 7470)

Seven metals (barium, chromium, cobalt, copper, nickel, vanadium, and zinc) were detected at estimated concentrations (J-flags) below the associated SWSLs in the aqueous sample (5803-LP-1) collected from the lined leachate basin (Table 1).

Metals were not detected in the leachate sample at concentrations exceeding their respective SWSLs.

Appendix I VOCs (EPA Method 8260)

One VOC (acetone) was detected at a concentration below its associated SWSL. Acetone was also detected in the trip blank, as described above. No other VOCs were detected in the leachate sample.

Inorganics

In addition to analyzing for Appendix I metals and Appendix I VOCs, the lined leachate basin sample (5803-LP-01) was also analyzed for BOD, COD, nitrate, phosphorus, and sulfate. Please note that these analyses are reported in milligrams per liter (mg/L). The analytical results (shown in Table 1) for these additional parameters are as follows:

- BOD at 18.0 milligrams per liter (mg/L)
- COD at 240 mg/L
- Nitrogen/Nitrate at 3.6 mg/L
- Phosphorus at 0.21 mg/L
- Sulfate at 10.2 mg/L

3.2 HYDROGEOLOGY

The predominant groundwater flow direction within the regolith overlying the bedrock at the operating landfill is to the west-northwest, toward an unnamed tributary of Walnut Creek. Figure 3 depicts the generalized groundwater flow direction, based on groundwater measurements taken by Altamont on April 14 through 16, 2009. Water-level data are summarized on Table 4. The location and elevation survey data for 5803-MW-06R is included as Appendix C.

3.3 STATISTICAL EVALUATION

Statistical evaluation, such as the Kruskal-Wallis non-parametric method, was not conducted on the groundwater quality data from the nine monitoring wells that were sampled during the spring 2009 sampling event at the operating landfill. There is a lack of historical background groundwater-quality data from the current background-monitoring well, 5803-MW-06R to warrant such analyses. During the spring 2008 semiannual sampling event, the background-monitoring well 5803-MW-06 was dry and therefore not sampled. Throughout the summer of 2008, the well remained dry. Monitoring well 5803-MW-06 was also dry during the four sampling events that occurred between October 2001 and April 2003. Therefore, in September 2008, a replacement background-monitoring well, 5803-MW-06R, was installed (Figure 3).

Monitoring well 5803-MW-6R was sampled for the first time during the fall 2008 semiannual sampling event. Statistical analysis will resume in spring 2010, once there are sufficient data to perform such analysis (data for at least four sampling events). This situation was discussed and documented on July 25, 2008 with Ms. Jackie Drummond, the DENR SWS Compliance Hydrogeologist for Madison County. It was determined during that conversation that statistical analysis would be postponed until a sufficiently large data set had been obtained from the new background well, presumably after the spring sampling event in 2010. The original background-monitoring well, 5803-MW-06, which has been dry since spring 2008, will not be abandoned at this time.

A qualitative evaluation of the historical background sampling results from 5803-MW-06 with the current background result from the fall of 2008 (from 5803-MW-06R) is included in Section 4, "Summary".

4.0 SUMMARY

Groundwater

Analysis of data collected during the semiannual groundwater-monitoring event conducted between April 14 and 16, 2009 at the Madison County Operating Landfill indicates that five metals were detected at concentrations above SWSLs in groundwater samples collected from monitoring wells. The concentrations of two metals, cobalt and vanadium, exceeded their respective 2L Standard or GWPS in one or more of the groundwater samples. Cobalt was detected in one monitoring well, 5803-MW-03, at a concentration (88.9 µg/L) that exceeded its GWPS of 70 µg/L. Vanadium, however, was detected in six of the monitoring wells, including the background well (5803-MW-04, 5803-MW-05, 5803-MW-06R, 5803-MW-07R, 5803-MW-08, and 5803-MW-09), at concentrations ranging from 3.7 µg/L to 16.2 µg/L, exceeding the metal's GWPS of 3.5 µg/L.

As described in Section 3.1, the turbidities of two of the monitoring wells, 5803-MW-06R and 5803-MW-07R, were greater than 100 NTUs, despite the use of low-flow purging and sampling techniques. Therefore, the exceedances of vanadium in these wells may include both the dissolved metal component and the metal component that was adsorbed onto particulates in the sample. These results may reflect a false positive and may not represent the actual groundwater quality at these wells.

As described in Section 2.1, 5803-MW-06R, which is a new background monitoring well, was sampled for the first time during the fall 2008 sampling event. A statistical analysis comparing the groundwater results of the compliance (non-background) monitoring wells to this new background well is not warranted without data from four sampling events ($n = 4$). However, we can evaluate the current data from this new background monitoring well with the pre-existing background monitoring well (5803-MW-06). Samples were collected from 5803-MW-06 on an approximately semiannual basis from 1997 to spring 2006. The following table summarizes the historical data from 5803-MW-06 and the current data from 5803-MW-06R.

Metal Exceeding Standard in Spring 2009	Historical Mean Concentration in 5803-MW-06 (1999 through 2006)	Historical Mean Concentration in 5803-MW-06R (Fall 2008 through Spring 2009)
Cobalt	2.84 µg/L	50.2 µg/L
Vanadium	10.1 µg/L	38.7 µg/L

Again, the detected concentrations from the fall 2008 and spring 2009 sampling events in 5803-MW-06R may be affected by the turbidity of the samples, and may not reflect the dissolved metals' concentrations in the groundwater.

No VOCs were detected in the groundwater at the operating landfill at concentrations above the associated SWSLs, 2L Standards, or GWPSs.

A comparison of metal detections higher than the 2L Standard in groundwater to metal detections in the sample collected from the lined leachate basin reveals that metal concentrations in groundwater are uniformly greater than metal detections in landfill leachate. If landfill material or leachate was impacting groundwater at the site, one would expect the leachate to have higher metal concentrations than groundwater, but this is not the case. This observation, combined with those related to groundwater turbidity, further suggest that the metals detected in the monitoring wells may be naturally occurring.

Surface Water

No metals or VOCs were detected above their respective SWSLs or 2B Standards in the surface-water samples. Therefore, on the basis of these data, groundwater discharging from under the landfill into the unnamed stream is not impacting its surface-water quality with regard to Appendix I VOCs or metals.

Lined Leachate Basin

Neither metals nor VOCs were detected at concentrations above their respective SWSLs in the leachate sample (5803-LP-1).

Altamont will continue to monitor metals and VOCs on a semiannual basis at the operating landfill. The next sampling event is scheduled for October 2009.

FIGURES

LEGEND

OPERATING LANDFILL BOUNDARY

DATA SOURCES:
1. TOPOGRAPHIC MAP:
USGS - TERRAIN NAVIGATOR PRO
MARSHALL QUADRANGLE
CREATED 1945; REVISED 1990

2. PROPERTY BOUNDARY:
MADISON COUNTY GIS

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SITE LOCATION

MADISON COUNTY OPERATING
SOLID WASTE FACILITY
271 Craig Rudisill Road
Marshall, NC 28753

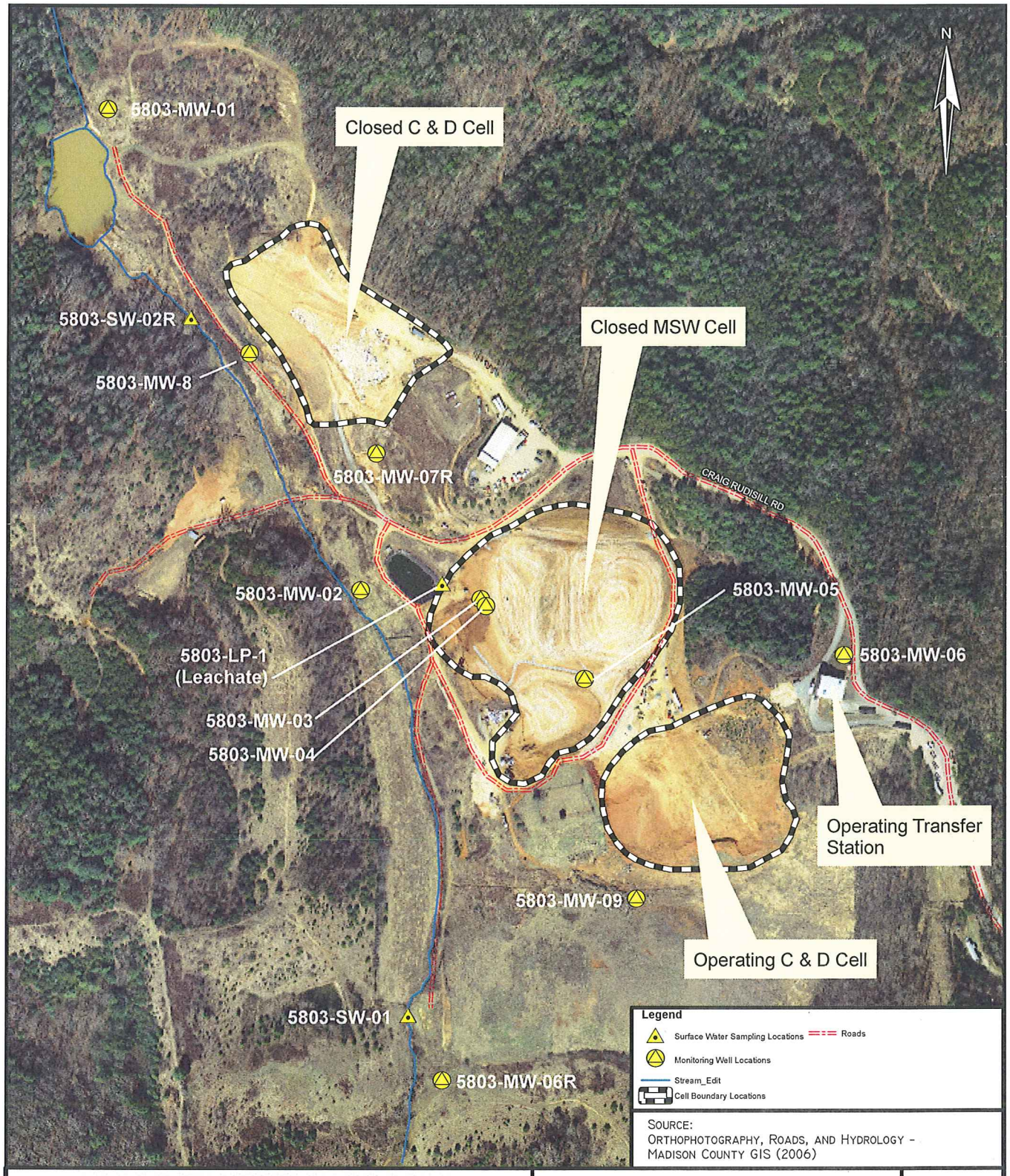
MADISON COUNTY, NORTH CAROLINA

FIGURE 1

DRAWN BY: KATIE MASSIE
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 06/22/2009

SCALE
0 600 1,200 2,400 Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\5803-Fig1-Site Location.mxd



SOURCE:
ORTHOPHOTOGRAPHY, ROADS, AND HYDROLOGY - MADISON COUNTY GIS (2006)

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SAMPLE LOCATIONS

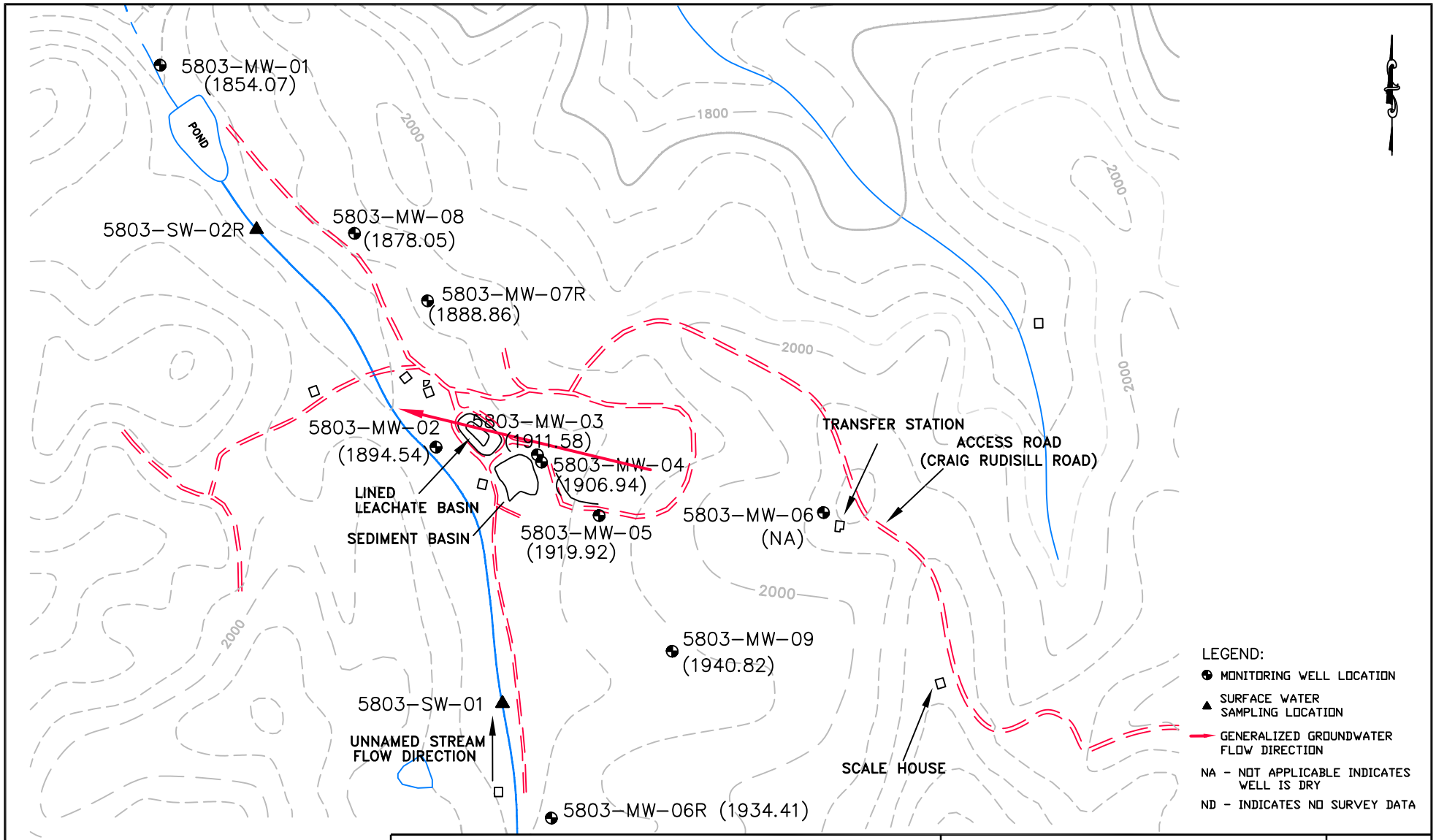
MADISON COUNTY OPERATING
SOLID WASTE FACILITY
271 CRAIG RUDISILL ROAD
MARSHALL, NORTH CAROLINA 28753

FIGURE
2

DRAWN BY: ANNA SAYLOR
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 01/23/2009; 06/22/2009 KRM

SCALE
0 100 200 400 Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\5803-Sample Loc Map_Fig 2_aerial.mxd



Notes:

1. Groundwater flow direction based on groundwater elevations in MW-2, MW-3, MW-6R, and MW-7R (water table wells).

2. Groundwater elevations measured on April 14-16, 2009.

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DRAWN BY: KATIE MASSIE
PROJECT MANAGER: JOEL D LENK
CLIENT: MADISON COUNTY
DATE: 06/18/2009

SCALE (FEET)
250 0 250 500

GENERALIZED GROUNDWATER FLOW DIRECTION

MADISON COUNTY OPERATING
SOLID WASTE FACILITY
271 CRAIG RUDISILL ROAD
MARSHALL, NC 28753

FIGURE
3

FILE PATH: P:\MADISON COUNTY\FIGURES\CAD\FIGURE 3

TABLES

Table 1
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility
Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-01	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-39-3	15	Barium	92.8	ug/L	J	EPA 6010	0.20	100	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-41-7	23	Beryllium	0.17	ug/L	J	EPA 6010	0.10	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-47-3	51	Chromium	BQL	ug/L	U	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-48-4	53	Cobalt	4.0	ug/L	J	EPA 6010	0.60	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-50-8	54	Copper	0.41	ug/L	J	EPA 6010	0.30	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/14/09	04/17/09	04/21/09
58-03	5803-MW-01	7440-02-0	152	Nickel	2.0	ug/L	J	EPA 6010	1.7	50	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-22-4	184	Silver	0.14	ug/L	J	EPA 6010	0.10	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/14/09	04/23/09	04/27/09
58-03	5803-MW-01	7440-62-2	209	Vanadium	0.56	ug/L	J	EPA 6010	0.20	25	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	7440-66-6	213	Zinc	4.7	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-01	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/14/09		04/23/09
58-03	5803-MW-01	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/14/09		04/23/09
58-03	5803-MW-01	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/14/09		04/23/09
58-03	5803-MW-01	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/14/09		04/23/09
58-03	5803-MW-01	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/14/09		04/23/09
58-03	5803-MW-01	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/14/09		04/23/09
58-03	5803-MW-01	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/14/09		04/23/09
58-03	5803-MW-01	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/14/09		04/23/09
58-03	5803-MW-01	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-MW-01	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/14/09		04/23/09
58-03	5803-MW-01	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/14/09		04/23/09
58-03	5803-MW-01	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-MW-01	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/14/09		04/23/09
58-03	5803-MW-01	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/14/09		04/23/09
58-03	5803-MW-01	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/14/09		04/23/09
58-03	5803-MW-01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/14/09		04/23/09
58-03	5803-MW-01	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/14/09		04/23/09
58-03	5803-MW-01	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/14/09		04/23/09
58-03	5803-MW-01	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-MW-01	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/14/09		04/23/09
58-03	5803-MW-01	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/14/09		04/23/09
58-03	5803-MW-01	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/14/09		04/23/09
58-03	5803-MW-01	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/14/09		04/23/09
58-03	5803-MW-01	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/14/09		04/23/09
58-03	5803-MW-01	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-MW-01	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/14/09		04/23/09
58-03	5803-MW-01	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/14/09		04/23/09
58-03	5803-MW-01	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/14/09		04/23/09
58-03	5803-MW-01	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/14/09		04/23/09
58-03	5803-MW-01	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/14/09		04/23/09
58-03	5803-MW-01	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/14/09		04/23/09
58-03	5803-MW-01	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/14/09		04/23/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-01	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/14/09		04/23/09
58-03	5803-MW-01	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/14/09		04/23/09
58-03	5803-MW-01	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/14/09		04/23/09
58-03	5803-MW-01	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/14/09		04/23/09
58-03	5803-MW-01	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/14/09		04/23/09
58-03	5803-MW-01	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/14/09		04/23/09
58-03	5803-MW-01	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-01	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/14/09		04/23/09
58-03	5803-MW-01	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-01	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/14/09		04/23/09
58-03	5803-MW-01	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-01	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/14/09		04/23/09
58-03	5803-MW-01	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/14/09		04/23/09
58-03	5803-MW-01	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/14/09		04/23/09
58-03	5803-MW-01	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/14/09		04/23/09
58-03	5803-MW-01	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/14/09		04/23/09
58-03	5803-MW-01	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/14/09		04/23/09
58-03	5803-MW-01		320	pH	4.70	standard						04/14/09		
58-03	5803-MW-01		323	Specific Conductivity	47	uS						04/14/09		
58-03	5803-MW-01		325	Temperature	10.91	°C						04/14/09		
58-03	5803-MW-01		330	Turbidity	5.97	NTU						04/14/09		
58-03	5803-MW-01		336	Oxygen Reduction Potential	176.7	mV						04/14/09		
58-03	5803-MW-01		356	Dissolved Oxygen	2.96	mg/l						04/14/09		
58-03	5803-MW-01		328	Top of Casing (ft mean sea level)	1859.04	ft						04/14/09		
58-03	5803-MW-01		318	Depth to Water	4.97	ft						04/14/09		
58-03	5803-MW-01		411	Total Well Depth	19.50	ft						04/14/09		
58-03	5803-MW-02	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-39-3	15	Barium	110	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-41-7	23	Beryllium	0.15	ug/L	J	EPA 6010	0.10	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-47-3	51	Chromium	BQL	ug/L	U	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-48-4	53	Cobalt	2.0	ug/L	J	EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-50-8	54	Copper	BQL	ug/L	U	EPA 6010	0.30	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/16/09	04/23/09	04/23/09
58-03	5803-MW-02	7440-02-0	152	Nickel	BQL	ug/L	U	EPA 6010	1.7	50	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-22-4	184	Silver	0.14	ug/L	J	EPA 6010	0.10	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-62-2	209	Vanadium	0.37	ug/L	J	EPA 6010	0.20	25	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	7440-66-6	213	Zinc	1.0	ug/L	J	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-02	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/16/09		04/23/09
58-03	5803-MW-02	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/16/09		04/23/09
58-03	5803-MW-02	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/16/09		04/23/09
58-03	5803-MW-02	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/16/09		04/23/09
58-03	5803-MW-02	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/16/09		04/23/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-02	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/16/09		04/23/09
58-03	5803-MW-02	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/16/09		04/23/09
58-03	5803-MW-02	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/16/09		04/23/09
58-03	5803-MW-02	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-02	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/16/09		04/23/09
58-03	5803-MW-02	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/16/09		04/23/09
58-03	5803-MW-02	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-02	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/16/09		04/23/09
58-03	5803-MW-02	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/16/09		04/23/09
58-03	5803-MW-02	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/16/09		04/23/09
58-03	5803-MW-02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/16/09		04/23/09
58-03	5803-MW-02	67-64-1	3	Acetone	2.3	ug/L	J	EPA 8260	2.2	100	1	04/16/09		04/23/09
58-03	5803-MW-02	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/16/09		04/23/09
58-03	5803-MW-02	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-02	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/16/09		04/23/09
58-03	5803-MW-02	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/16/09		04/23/09
58-03	5803-MW-02	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/16/09		04/23/09
58-03	5803-MW-02	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/16/09		04/23/09
58-03	5803-MW-02	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/16/09		04/23/09
58-03	5803-MW-02	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-02	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/16/09		04/23/09
58-03	5803-MW-02	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/16/09		04/23/09
58-03	5803-MW-02	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/16/09		04/23/09
58-03	5803-MW-02	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/16/09		04/23/09
58-03	5803-MW-02	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/16/09		04/23/09
58-03	5803-MW-02	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/16/09		04/23/09
58-03	5803-MW-02	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/16/09		04/23/09
58-03	5803-MW-02	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/16/09		04/23/09
58-03	5803-MW-02	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/16/09		04/23/09
58-03	5803-MW-02	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/16/09		04/23/09
58-03	5803-MW-02	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/16/09		04/23/09
58-03	5803-MW-02	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/16/09		04/23/09
58-03	5803-MW-02	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/16/09		04/23/09
58-03	5803-MW-02	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-02	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/16/09		04/23/09
58-03	5803-MW-02	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-02	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/16/09		04/23/09
58-03	5803-MW-02	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-02	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/16/09		04/23/09
58-03	5803-MW-02	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/16/09		04/23/09
58-03	5803-MW-02	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/16/09		04/23/09
58-03	5803-MW-02	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/16/09		04/23/09
58-03	5803-MW-02	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/16/09		04/23/09
58-03	5803-MW-02	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/16/09		04/23/09
58-03	5803-MW-02		320	pH	5.57	standard						04/16/09		
58-03	5803-MW-02		323	Specific Conductivity	136	uS						04/16/09		
58-03	5803-MW-02		325	Temperature	11.74	°C						04/16/09		
58-03	5803-MW-02		330	Turbidity	3.84	NTU						04/16/09		

Table 1
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-02		336	Oxygen Reduction Potential	146.9	mV						04/16/09		
58-03	5803-MW-02		356	Dissolved Oxygen	0.79	mg/l						04/16/09		
58-03	5803-MW-02		328	Top of Casing (ft mean sea level)	1,898.94	ft						04/16/09		
58-03	5803-MW-02		318	Depth to Water	4.40	ft						04/16/09		
58-03	5803-MW-02		411	Total Well Depth	18.20	ft						04/16/09		
58-03	5803-MW-03	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-39-3	15	Barium	214	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-41-7	23	Beryllium	0.19	ug/L	J	EPA 6010	0.10	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-47-3	51	Chromium	BQL	ug/L	U	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-48-4	53	Cobalt	**88.9**	ug/L		EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-50-8	54	Copper	BQL	ug/L	U	EPA 6010	0.30	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/16/09	04/23/09	04/23/09
58-03	5803-MW-03	7440-02-0	152	Nickel	3.7	ug/L	J	EPA 6010	1.7	50	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7782-49-2	183	Selenium	4.5	ug/L	J	EPA 6010	3.8	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-22-4	184	Silver	0.37	ug/L	J	EPA 6010	0.10	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-62-2	209	Vanadium	0.47	ug/L	J	EPA 6010	0.20	25	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-66-6	213	Zinc	BQL	ug/L	U	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/16/09		04/23/09
58-03	5803-MW-03	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/16/09		04/23/09
58-03	5803-MW-03	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/16/09		04/23/09
58-03	5803-MW-03	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/16/09		04/23/09
58-03	5803-MW-03	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/16/09		04/23/09
58-03	5803-MW-03	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/16/09		04/23/09
58-03	5803-MW-03	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/16/09		04/23/09
58-03	5803-MW-03	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/16/09		04/23/09
58-03	5803-MW-03	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-03	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/16/09		04/23/09
58-03	5803-MW-03	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/16/09		04/23/09
58-03	5803-MW-03	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-03	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/16/09		04/23/09
58-03	5803-MW-03	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/16/09		04/23/09
58-03	5803-MW-03	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/16/09		04/23/09
58-03	5803-MW-03	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/16/09		04/23/09
58-03	5803-MW-03	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/16/09		04/23/09
58-03	5803-MW-03	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/16/09		04/23/09
58-03	5803-MW-03	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-03	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/16/09		04/23/09
58-03	5803-MW-03	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/16/09		04/23/09
58-03	5803-MW-03	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/16/09		04/23/09
58-03	5803-MW-03	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/16/09		04/23/09
58-03	5803-MW-03	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/16/09		04/23/09
58-03	5803-MW-03	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-03	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/16/09		04/23/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-03	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/16/09		04/23/09
58-03	5803-MW-03	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/16/09		04/23/09
58-03	5803-MW-03	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/16/09		04/23/09
58-03	5803-MW-03	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/16/09		04/23/09
58-03	5803-MW-03	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/16/09		04/23/09
58-03	5803-MW-03	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/16/09		04/23/09
58-03	5803-MW-03	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/16/09		04/23/09
58-03	5803-MW-03	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/16/09		04/23/09
58-03	5803-MW-03	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/16/09		04/23/09
58-03	5803-MW-03	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/16/09		04/23/09
58-03	5803-MW-03	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/16/09		04/23/09
58-03	5803-MW-03	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/16/09		04/23/09
58-03	5803-MW-03	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-03	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/16/09		04/23/09
58-03	5803-MW-03	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-03	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/16/09		04/23/09
58-03	5803-MW-03	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-03	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/16/09		04/23/09
58-03	5803-MW-03	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/16/09		04/23/09
58-03	5803-MW-03	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/16/09		04/23/09
58-03	5803-MW-03	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/16/09		04/23/09
58-03	5803-MW-03	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/16/09		04/23/09
58-03	5803-MW-03	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/16/09		04/23/09
58-03	5803-MW-03		320	pH	5.85	standard						04/16/09		
58-03	5803-MW-03		323	Specific Conductivity	416	uS						04/16/09		
58-03	5803-MW-03		325	Temperature	15.68	°C						04/16/09		
58-03	5803-MW-03		330	Turbidity	3.22	NTU						04/16/09		
58-03	5803-MW-03		336	Oxygen Reduction Potential	84.8	mV						04/16/09		
58-03	5803-MW-03		356	Dissolved Oxygen	0.51	mg/l						04/16/09		
58-03	5803-MW-03		328	Top of Casing (ft mean sea level)	1932.96	ft						04/16/09		
58-03	5803-MW-03		318	Depth to Water	21.38	ft						04/16/09		
58-03	5803-MW-03		411	Total Well Depth	35.90	ft						04/16/09		
58-03	5803-MW-04	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-39-3	15	Barium	125	ug/L		EPA 6010	0.20	100	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-41-7	23	Beryllium	0.12	ug/L	J	EPA 6010	0.10	1	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-47-3	51	Chromium	BQL	ug/L	U	EPA 6010	0.40	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-48-4	53	Cobalt	1.4	ug/L	J	EPA 6010	0.60	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-50-8	54	Copper	BQL	ug/L	U	EPA 6010	0.30	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/15/09	04/21/09	04/22/09
58-03	5803-MW-04	7440-02-0	152	Nickel	BQL	ug/L	U	EPA 6010	1.7	50	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-22-4	184	Silver	0.24	ug/L	J	EPA 6010	0.10	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/15/09	04/23/09	04/27/09
58-03	5803-MW-04	7440-62-2	209	Vanadium	**4.5**	ug/L	J	EPA 6010	0.20	25	1	04/15/09	04/24/09	04/28/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-04	7440-66-6	213	Zinc	0.42	ug/L	J	EPA 6010	0.40	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-04	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/15/09		04/23/09
58-03	5803-MW-04	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/15/09		04/23/09
58-03	5803-MW-04	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/15/09		04/23/09
58-03	5803-MW-04	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/15/09		04/23/09
58-03	5803-MW-04	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/15/09		04/23/09
58-03	5803-MW-04	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/15/09		04/23/09
58-03	5803-MW-04	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/15/09		04/23/09
58-03	5803-MW-04	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/15/09		04/23/09
58-03	5803-MW-04	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/15/09		04/23/09
58-03	5803-MW-04	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/15/09		04/23/09
58-03	5803-MW-04	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/15/09		04/23/09
58-03	5803-MW-04	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/15/09		04/23/09
58-03	5803-MW-04	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/15/09		04/23/09
58-03	5803-MW-04	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/15/09		04/23/09
58-03	5803-MW-04	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/15/09		04/23/09
58-03	5803-MW-04	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/15/09		04/23/09
58-03	5803-MW-04	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/15/09		04/23/09
58-03	5803-MW-04	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/15/09		04/23/09
58-03	5803-MW-04	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/15/09		04/23/09
58-03	5803-MW-04	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/15/09		04/23/09
58-03	5803-MW-04	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/15/09		04/23/09
58-03	5803-MW-04	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/15/09		04/23/09
58-03	5803-MW-04	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/15/09		04/23/09
58-03	5803-MW-04	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/15/09		04/23/09
58-03	5803-MW-04	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/15/09		04/23/09
58-03	5803-MW-04	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/15/09		04/23/09
58-03	5803-MW-04	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/15/09		04/23/09
58-03	5803-MW-04	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/15/09		04/23/09
58-03	5803-MW-04	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/15/09		04/23/09
58-03	5803-MW-04	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/15/09		04/23/09
58-03	5803-MW-04	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/15/09		04/23/09
58-03	5803-MW-04	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/15/09		04/23/09
58-03	5803-MW-04	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/15/09		04/23/09
58-03	5803-MW-04	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/15/09		04/23/09
58-03	5803-MW-04	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/15/09		04/23/09
58-03	5803-MW-04	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/15/09		04/23/09
58-03	5803-MW-04	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/15/09		04/23/09
58-03	5803-MW-04	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/15/09		04/23/09
58-03	5803-MW-04	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-MW-04	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/15/09		04/23/09
58-03	5803-MW-04	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-MW-04	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/15/09		04/23/09
58-03	5803-MW-04	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-MW-04	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/15/09		04/23/09
58-03	5803-MW-04	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/15/09		04/23/09
58-03	5803-MW-04	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/15/09		04/23/09
58-03	5803-MW-04	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/15/09		04/23/09

Table 1
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Madison County Operating Solid Waste Facility
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-04	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/15/09		04/23/09
58-03	5803-MW-04	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/15/09		04/23/09
58-03	5803-MW-04		320	pH	5.92	standard						04/15/09		
58-03	5803-MW-04		323	Specific Conductivity	163	uS						04/15/09		
58-03	5803-MW-04		325	Temperature	15.07	°C						04/15/09		
58-03	5803-MW-04		330	Turbidity	0.25	NTU						04/15/09		
58-03	5803-MW-04		336	Oxygen Reduction Potential	165.0	mV						04/15/09		
58-03	5803-MW-04		356	Dissolved Oxygen	3.21	mg/l						04/15/09		
58-03	5803-MW-04		328	Top of Casing (ft mean sea level)	1935.64	ft						04/15/09		
58-03	5803-MW-04		318	Depth to Water	28.70	ft						04/15/09		
58-03	5803-MW-04		411	Total Well Depth	83.00	ft						04/15/09		
58-03	5803-MW-05	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-39-3	15	Barium	65.4	ug/L	J	EPA 6010	0.20	100	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-41-7	23	Beryllium	0.16	ug/L	J	EPA 6010	0.10	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-47-3	51	Chromium	0.72	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-48-4	53	Cobalt	2.6	ug/L	J	EPA 6010	0.60	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-50-8	54	Copper	BQL	ug/L	U	EPA 6010	0.30	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/14/09	04/17/09	04/21/09
58-03	5803-MW-05	7440-02-0	152	Nickel	1.9	ug/L	J	EPA 6010	1.7	50	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-22-4	184	Silver	0.26	ug/L	J	EPA 6010	0.10	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/14/09	04/23/09	04/27/09
58-03	5803-MW-05	7440-62-2	209	Vanadium	**4.3**	ug/L	J	EPA 6010	0.20	25	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	7440-66-6	213	Zinc	1.1	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-05	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/14/09		04/23/09
58-03	5803-MW-05	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/14/09		04/23/09
58-03	5803-MW-05	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/14/09		04/23/09
58-03	5803-MW-05	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/14/09		04/23/09
58-03	5803-MW-05	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/14/09		04/23/09
58-03	5803-MW-05	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/14/09		04/23/09
58-03	5803-MW-05	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/14/09		04/23/09
58-03	5803-MW-05	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/14/09		04/23/09
58-03	5803-MW-05	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-MW-05	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/14/09		04/23/09
58-03	5803-MW-05	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/14/09		04/23/09
58-03	5803-MW-05	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-MW-05	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/14/09		04/23/09
58-03	5803-MW-05	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/14/09		04/23/09
58-03	5803-MW-05	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/14/09		04/23/09
58-03	5803-MW-05	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/14/09		04/23/09
58-03	5803-MW-05	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/14/09		04/23/09
58-03	5803-MW-05	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/14/09		04/23/09
58-03	5803-MW-05	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-MW-05	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/14/09		04/23/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-05	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/14/09		04/23/09
58-03	5803-MW-05	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/14/09		04/23/09
58-03	5803-MW-05	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/14/09		04/23/09
58-03	5803-MW-05	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/14/09		04/23/09
58-03	5803-MW-05	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-MW-05	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/14/09		04/23/09
58-03	5803-MW-05	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/14/09		04/23/09
58-03	5803-MW-05	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/14/09		04/23/09
58-03	5803-MW-05	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/14/09		04/23/09
58-03	5803-MW-05	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/14/09		04/23/09
58-03	5803-MW-05	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/14/09		04/23/09
58-03	5803-MW-05	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/14/09		04/23/09
58-03	5803-MW-05	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/14/09		04/23/09
58-03	5803-MW-05	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/14/09		04/23/09
58-03	5803-MW-05	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/14/09		04/23/09
58-03	5803-MW-05	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/14/09		04/23/09
58-03	5803-MW-05	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/14/09		04/23/09
58-03	5803-MW-05	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/14/09		04/23/09
58-03	5803-MW-05	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-05	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/14/09		04/23/09
58-03	5803-MW-05	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-05	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/14/09		04/23/09
58-03	5803-MW-05	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-05	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/14/09		04/23/09
58-03	5803-MW-05	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/14/09		04/23/09
58-03	5803-MW-05	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/14/09		04/23/09
58-03	5803-MW-05	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/14/09		04/23/09
58-03	5803-MW-05	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/14/09		04/23/09
58-03	5803-MW-05	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/14/09		04/23/09
58-03	5803-MW-05		320	pH	5.64	standard						04/14/09		
58-03	5803-MW-05		323	Specific Conductivity	142	uS						04/14/09		
58-03	5803-MW-05		325	Temperature	14.13	°C						04/14/09		
58-03	5803-MW-05		330	Turbidity	0.00	NTU						04/14/09		
58-03	5803-MW-05		336	Oxygen Reduction Potential	155.0	mV						04/14/09		
58-03	5803-MW-05		356	Dissolved Oxygen	0.35	mg/l						04/14/09		
58-03	5803-MW-05		328	Top of Casing (ft mean sea level)	1972.76	ft						04/14/09		
58-03	5803-MW-05		318	Depth to Water	52.84	ft						04/14/09		
58-03	5803-MW-05		411	Total Well Depth	64.00	ft						04/14/09		
58-03	5803-MW-06R	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-39-3	15	Barium	137	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-41-7	23	Beryllium	1.1	ug/L		EPA 6010	0.10	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-43-9	34	Cadmium	0.55	ug/L	J	EPA 6010	0.50	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-47-3	51	Chromium	4.6	ug/L	J	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-48-4	53	Cobalt	13.6	ug/L		EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-50-8	54	Copper	3.5	ug/L	J	EPA 6010	0.30	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/16/09	04/24/09	04/28/09

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58-03	5803-MW-06R	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/16/09	04/23/09	04/23/09
58-03	5803-MW-06R	7440-02-0	152	Nickel	14.4	ug/L	*J*	EPA 6010	1.7	50	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-22-4	184	Silver	0.71	ug/L	J	EPA 6010	0.10	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-62-2	209	Vanadium	**16.2**	ug/L	*J*	EPA 6010	0.20	25	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-66-6	213	Zinc	39.4	ug/L		EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/16/09		04/23/09
58-03	5803-MW-06R	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/16/09		04/23/09
58-03	5803-MW-06R	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/16/09		04/23/09
58-03	5803-MW-06R	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/16/09		04/23/09
58-03	5803-MW-06R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/16/09		04/23/09
58-03	5803-MW-06R	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/16/09		04/23/09
58-03	5803-MW-06R	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/16/09		04/23/09
58-03	5803-MW-06R	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/16/09		04/23/09
58-03	5803-MW-06R	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/16/09		04/23/09
58-03	5803-MW-06R	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/16/09		04/23/09
58-03	5803-MW-06R	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/16/09		04/23/09
58-03	5803-MW-06R	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/16/09		04/23/09
58-03	5803-MW-06R	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/16/09		04/23/09
58-03	5803-MW-06R	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/16/09		04/23/09
58-03	5803-MW-06R	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09

Table 1
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-06R	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/16/09		04/23/09
58-03	5803-MW-06R	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/16/09		04/23/09
58-03	5803-MW-06R	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/16/09		04/23/09
58-03	5803-MW-06R	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/16/09		04/23/09
58-03	5803-MW-06R	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/16/09		04/23/09
58-03	5803-MW-06R		320	pH	5.97	standard						04/16/09		
58-03	5803-MW-06R		323	Specific Conductivity	114	uS						04/16/09		
58-03	5803-MW-06R		325	Temperature	13.68	°C						04/16/09		
58-03	5803-MW-06R		330	Turbidity	118.6	NTU						04/16/09		
58-03	5803-MW-06R		336	Oxygen Reduction Potential	150.1	mV						04/16/09		
58-03	5803-MW-06R		356	Dissolved Oxygen	5.07	mg/l						04/16/09		
58-03	5803-MW-06R		328	Top of Casing (ft mean sea level)	1942.19	ft						04/16/09		
58-03	5803-MW-06R		318	Depth to Water	7.78	ft						04/16/09		
58-03	5803-MW-06R		411	Total Well Depth	25	ft						04/16/09		
58-03	5803-MW-07R	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-39-3	15	Barium	140	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-41-7	23	Beryllium	0.31	ug/L	J	EPA 6010	0.10	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-43-9	34	Cadmium	0.88	ug/L	J	EPA 6010	0.50	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-47-3	51	Chromium	4.7	ug/L	J	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-48-4	53	Cobalt	4.4	ug/L	J	EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-50-8	54	Copper	1.2	ug/L	J	EPA 6010	0.30	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/16/09	04/23/09	04/23/09
58-03	5803-MW-07R	7440-02-0	152	Nickel	2.4	ug/L	J	EPA 6010	1.7	50	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-22-4	184	Silver	0.22	ug/L	J	EPA 6010	0.10	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-62-2	209	Vanadium	**6.3**	ug/L	*J*	EPA 6010	0.20	25	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-66-6	213	Zinc	9.6	ug/L	J	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/16/09		04/23/09
58-03	5803-MW-07R	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/16/09		04/23/09
58-03	5803-MW-07R	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/16/09		04/23/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-07R	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/16/09		04/23/09
58-03	5803-MW-07R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/16/09		04/23/09
58-03	5803-MW-07R	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/16/09		04/23/09
58-03	5803-MW-07R	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/16/09		04/23/09
58-03	5803-MW-07R	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/16/09		04/23/09
58-03	5803-MW-07R	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/16/09		04/23/09
58-03	5803-MW-07R	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/16/09		04/23/09
58-03	5803-MW-07R	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/16/09		04/23/09
58-03	5803-MW-07R	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/16/09		04/23/09
58-03	5803-MW-07R	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/16/09		04/23/09
58-03	5803-MW-07R	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/16/09		04/23/09
58-03	5803-MW-07R	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/16/09		04/23/09
58-03	5803-MW-07R	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/16/09		04/23/09
58-03	5803-MW-07R	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/16/09		04/23/09
58-03	5803-MW-07R	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/16/09		04/23/09
58-03	5803-MW-07R	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/16/09		04/23/09
58-03	5803-MW-07R		320	pH	5.86	standard						04/16/09		
58-03	5803-MW-07R		323	Specific Conductivity	59	uS						04/16/09		
58-03	5803-MW-07R		325	Temperature	14.43	°C						04/16/09		
58-03	5803-MW-07R		330	Turbidity	101.01	NTU						04/16/09		
58-03	5803-MW-07R		336	Oxygen Reduction Potential	157.3	mV						04/16/09		
58-03	5803-MW-07R		356	Dissolved Oxygen	7.91	mg/l						04/16/09		
58-03	5803-MW-07R		328	Top of Casing (ft mean sea level)	1919.34	ft						04/16/09		
58-03	5803-MW-07R		318	Depth to Water	30.48	ft						04/16/09		
58-03	5803-MW-07R		411	Total Well Depth	41.40	ft						04/16/09		
58-03	5803-MW-08	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-39-3	15	Barium	32.6	ug/L	*J*	EPA 6010	0.20	100	1	04/14/09	04/24/09	04/28/09

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58-03	5803-MW-08	7440-41-7	23	Beryllium	0.11	ug/L	J	EPA 6010	0.10	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-47-3	51	Chromium	1.1	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-48-4	53	Cobalt	3.3	ug/L	J	EPA 6010	0.60	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-50-8	54	Copper	1.1	ug/L	J	EPA 6010	0.30	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/14/09	04/17/09	04/21/09
58-03	5803-MW-08	7440-02-0	152	Nickel	2.3	ug/L	J	EPA 6010	1.7	50	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-22-4	184	Silver	0.29	ug/L	J	EPA 6010	0.10	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/14/09	04/23/09	04/27/09
58-03	5803-MW-08	7440-62-2	209	Vanadium	**4.7**	ug/L	J	EPA 6010	0.20	25	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	7440-66-6	213	Zinc	2.4	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-MW-08	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/14/09		04/23/09
58-03	5803-MW-08	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/14/09		04/23/09
58-03	5803-MW-08	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/14/09		04/23/09
58-03	5803-MW-08	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/14/09		04/23/09
58-03	5803-MW-08	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/14/09		04/23/09
58-03	5803-MW-08	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/14/09		04/23/09
58-03	5803-MW-08	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/14/09		04/23/09
58-03	5803-MW-08	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/14/09		04/23/09
58-03	5803-MW-08	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-MW-08	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/14/09		04/23/09
58-03	5803-MW-08	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/14/09		04/23/09
58-03	5803-MW-08	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-MW-08	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/14/09		04/23/09
58-03	5803-MW-08	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/14/09		04/23/09
58-03	5803-MW-08	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/14/09		04/23/09
58-03	5803-MW-08	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/14/09		04/23/09
58-03	5803-MW-08	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/14/09		04/23/09
58-03	5803-MW-08	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/14/09		04/23/09
58-03	5803-MW-08	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-MW-08	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/14/09		04/23/09
58-03	5803-MW-08	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/14/09		04/23/09
58-03	5803-MW-08	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/14/09		04/23/09
58-03	5803-MW-08	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/14/09		04/23/09
58-03	5803-MW-08	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/14/09		04/23/09
58-03	5803-MW-08	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-MW-08	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/14/09		04/23/09
58-03	5803-MW-08	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/14/09		04/23/09
58-03	5803-MW-08	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/14/09		04/23/09
58-03	5803-MW-08	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/14/09		04/23/09
58-03	5803-MW-08	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/14/09		04/23/09
58-03	5803-MW-08	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/14/09		04/23/09
58-03	5803-MW-08	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/14/09		04/23/09
58-03	5803-MW-08	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/14/09		04/23/09
58-03	5803-MW-08	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/14/09		04/23/09
58-03	5803-MW-08	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/14/09		04/23/09

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Madison County Operating Solid Waste Facility
Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-08	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/14/09		04/23/09
58-03	5803-MW-08	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/14/09		04/23/09
58-03	5803-MW-08	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/14/09		04/23/09
58-03	5803-MW-08	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-08	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/14/09		04/23/09
58-03	5803-MW-08	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-08	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/14/09		04/23/09
58-03	5803-MW-08	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-MW-08	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/14/09		04/23/09
58-03	5803-MW-08	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/14/09		04/23/09
58-03	5803-MW-08	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/14/09		04/23/09
58-03	5803-MW-08	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/14/09		04/23/09
58-03	5803-MW-08	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/14/09		04/23/09
58-03	5803-MW-08	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/14/09		04/23/09
58-03	5803-MW-08		320	pH	5.72	standard						04/14/09		
58-03	5803-MW-08		323	Specific Conductivity	191	uS						04/14/09		
58-03	5803-MW-08		325	Temperature	13.22	°C						04/14/09		
58-03	5803-MW-08		330	Turbidity	8.97	NTU						04/14/09		
58-03	5803-MW-08		336	Oxygen Reduction Potential	159.5	mV						04/14/09		
58-03	5803-MW-08		356	Dissolved Oxygen	6.60	mg/l						04/14/09		
58-03	5803-MW-08		328	Top of Casing (ft mean sea level)	1899.92	ft						04/14/09		
58-03	5803-MW-08		318	Depth to Water	21.87	ft						04/14/09		
58-03	5803-MW-08		411	Total Well Depth	26.60	ft						04/14/09		
58-03	5803-MW-09	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-39-3	15	Barium	143	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-41-7	23	Beryllium	0.11	ug/L	J	EPA 6010	0.10	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-43-9	34	Cadmium	0.80	ug/L	J	EPA 6010	0.50	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-47-3	51	Chromium	0.43	ug/L	J	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-48-4	53	Cobalt	4.0	ug/L	J	EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-50-8	54	Copper	5.0	ug/L	J	EPA 6010	0.30	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/16/09	04/23/09	04/23/09
58-03	5803-MW-09	7440-02-0	152	Nickel	2.1	ug/L	J	EPA 6010	1.7	50	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-22-4	184	Silver	0.31	ug/L	J	EPA 6010	0.10	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-62-2	209	Vanadium	**3.7**	ug/L	J	EPA 6010	0.20	25	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-66-6	213	Zinc	8.2	ug/L	J	EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/16/09		04/23/09
58-03	5803-MW-09	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/16/09		04/23/09
58-03	5803-MW-09	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/16/09		04/23/09
58-03	5803-MW-09	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/16/09		04/23/09
58-03	5803-MW-09	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/16/09		04/23/09
58-03	5803-MW-09	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/16/09		04/23/09
58-03	5803-MW-09	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/16/09		04/23/09
58-03	5803-MW-09	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/16/09		04/23/09

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Madison County Operating Solid Waste Facility
Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-09	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-09	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/16/09		04/23/09
58-03	5803-MW-09	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/16/09		04/23/09
58-03	5803-MW-09	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	5803-MW-09	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/16/09		04/23/09
58-03	5803-MW-09	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/16/09		04/23/09
58-03	5803-MW-09	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/16/09		04/23/09
58-03	5803-MW-09	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/16/09		04/23/09
58-03	5803-MW-09	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/16/09		04/23/09
58-03	5803-MW-09	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/16/09		04/23/09
58-03	5803-MW-09	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-09	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/16/09		04/23/09
58-03	5803-MW-09	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/16/09		04/23/09
58-03	5803-MW-09	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/16/09		04/23/09
58-03	5803-MW-09	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/16/09		04/23/09
58-03	5803-MW-09	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/16/09		04/23/09
58-03	5803-MW-09	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	5803-MW-09	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/16/09		04/23/09
58-03	5803-MW-09	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/16/09		04/23/09
58-03	5803-MW-09	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/16/09		04/23/09
58-03	5803-MW-09	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/16/09		04/23/09
58-03	5803-MW-09	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/16/09		04/23/09
58-03	5803-MW-09	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/16/09		04/23/09
58-03	5803-MW-09	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/16/09		04/23/09
58-03	5803-MW-09	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/16/09		04/23/09
58-03	5803-MW-09	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/16/09		04/23/09
58-03	5803-MW-09	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/16/09		04/23/09
58-03	5803-MW-09	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/16/09		04/23/09
58-03	5803-MW-09	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/16/09		04/23/09
58-03	5803-MW-09	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/16/09		04/23/09
58-03	5803-MW-09	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-09	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/16/09		04/23/09
58-03	5803-MW-09	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-09	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/16/09		04/23/09
58-03	5803-MW-09	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	5803-MW-09	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/16/09		04/23/09
58-03	5803-MW-09	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/16/09		04/23/09
58-03	5803-MW-09	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/16/09		04/23/09
58-03	5803-MW-09	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/16/09		04/23/09
58-03	5803-MW-09	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/16/09		04/23/09
58-03	5803-MW-09	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/16/09		04/23/09
58-03	5803-MW-09		320	pH	6.06	standard						04/16/09		
58-03	5803-MW-09		323	Specific Conductivity	134	uS						04/16/09		
58-03	5803-MW-09		325	Temperature	12.27	°C						04/16/09		
58-03	5803-MW-09		330	Turbidity	23.09	NTU						04/16/09		
58-03	5803-MW-09		336	Oxygen Reduction Potential	146.40	mV						04/16/09		
58-03	5803-MW-09		356	Dissolved Oxygen	3.21	mg/l						04/16/09		
58-03	5803-MW-09		328	Top of Casing (ft mean sea level)	1949.43	ft						04/16/09		

Table 1
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-09		318	Depth to Water	8.61	ft						04/16/09		
58-03	5803-MW-09		411	Total Well Depth	25.34	ft						04/16/09		
58-03	5803-SW-01	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-39-3	15	Barium	52.9	ug/L	J	EPA 6010	0.20	100	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-41-7	23	Beryllium	0.18	ug/L	J	EPA 6010	0.10	1	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-47-3	51	Chromium	0.78	ug/L	J	EPA 6010	0.40	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-48-4	53	Cobalt	2.8	ug/L	J	EPA 6010	0.60	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-50-8	54	Copper	0.54	ug/L	J	EPA 6010	0.30	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/15/09	04/21/09	04/22/09
58-03	5803-SW-01	7440-02-0	152	Nickel	BQL	ug/L	U	EPA 6010	1.7	50	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-22-4	184	Silver	0.14	ug/L	J	EPA 6010	0.10	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/15/09	04/23/09	04/27/09
58-03	5803-SW-01	7440-62-2	209	Vanadium	1.9	ug/L	J	EPA 6010	0.20	25	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	7440-66-6	213	Zinc	2.9	ug/L	J	EPA 6010	0.40	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-SW-01	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/15/09		04/23/09
58-03	5803-SW-01	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/15/09		04/23/09
58-03	5803-SW-01	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/15/09		04/23/09
58-03	5803-SW-01	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/15/09		04/23/09
58-03	5803-SW-01	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/15/09		04/23/09
58-03	5803-SW-01	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/15/09		04/23/09
58-03	5803-SW-01	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/15/09		04/23/09
58-03	5803-SW-01	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/15/09		04/23/09
58-03	5803-SW-01	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/15/09		04/23/09
58-03	5803-SW-01	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/15/09		04/23/09
58-03	5803-SW-01	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/15/09		04/23/09
58-03	5803-SW-01	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/15/09		04/23/09
58-03	5803-SW-01	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/15/09		04/23/09
58-03	5803-SW-01	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/15/09		04/23/09
58-03	5803-SW-01	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/15/09		04/23/09
58-03	5803-SW-01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/15/09		04/23/09
58-03	5803-SW-01	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/15/09		04/23/09
58-03	5803-SW-01	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/15/09		04/23/09
58-03	5803-SW-01	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/15/09		04/23/09
58-03	5803-SW-01	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/15/09		04/23/09
58-03	5803-SW-01	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/15/09		04/23/09
58-03	5803-SW-01	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/15/09		04/23/09
58-03	5803-SW-01	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/15/09		04/23/09
58-03	5803-SW-01	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/15/09		04/23/09
58-03	5803-SW-01	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/15/09		04/23/09
58-03	5803-SW-01	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/15/09		04/23/09
58-03	5803-SW-01	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/15/09		04/23/09
58-03	5803-SW-01	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/15/09		04/23/09
58-03	5803-SW-01	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/15/09		04/23/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-SW-01	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/15/09		04/23/09
58-03	5803-SW-01	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/15/09		04/23/09
58-03	5803-SW-01	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/15/09		04/23/09
58-03	5803-SW-01	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/15/09		04/23/09
58-03	5803-SW-01	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/15/09		04/23/09
58-03	5803-SW-01	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/15/09		04/23/09
58-03	5803-SW-01	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/15/09		04/23/09
58-03	5803-SW-01	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/15/09		04/23/09
58-03	5803-SW-01	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/15/09		04/23/09
58-03	5803-SW-01	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-SW-01	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/15/09		04/23/09
58-03	5803-SW-01	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-SW-01	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/15/09		04/23/09
58-03	5803-SW-01	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-SW-01	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/15/09		04/23/09
58-03	5803-SW-01	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/15/09		04/23/09
58-03	5803-SW-01	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/15/09		04/23/09
58-03	5803-SW-01	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/15/09		04/23/09
58-03	5803-SW-01	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/15/09		04/23/09
58-03	5803-SW-01	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/15/09		04/23/09
58-03	5803-SW-01		320	pH	6.74	standard						04/15/09		
58-03	5803-SW-01		323	Specific Conductivity	85	uS						04/15/09		
58-03	5803-SW-01		325	Temperature	10.83	°C						04/15/09		
58-03	5803-SW-01		330	Turbidity	8.22	NTU						04/15/09		
58-03	5803-SW-01		336	Oxygen Reduction Potential	123.4	mV						04/15/09		
58-03	5803-SW-01		356	Dissolved Oxygen	10.06	mg/l						04/15/09		
58-03	5803-SW-02R	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-39-3	15	Barium	50.8	ug/L	J	EPA 6010	0.20	100	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-41-7	23	Beryllium	0.14	ug/L	J	EPA 6010	0.10	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-47-3	51	Chromium	0.45	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-48-4	53	Cobalt	3.4	ug/L	J	EPA 6010	0.60	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-50-8	54	Copper	0.41	ug/L	J	EPA 6010	0.30	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/14/09	04/21/09	04/22/09
58-03	5803-SW-02R	7440-02-0	152	Nickel	BQL	ug/L	U	EPA 6010	1.7	50	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-22-4	184	Silver	0.18	ug/L	J	EPA 6010	0.10	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/14/09	04/23/09	04/27/09
58-03	5803-SW-02R	7440-62-2	209	Vanadium	2.4	ug/L	J	EPA 6010	0.20	25	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	7440-66-6	213	Zinc	7.0	ug/L	J	EPA 6010	0.40	10	1	04/14/09	04/24/09	04/28/09
58-03	5803-SW-02R	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/14/09		04/23/09
58-03	5803-SW-02R	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/14/09		04/23/09
58-03	5803-SW-02R	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/14/09		04/23/09

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58-03	5803-SW-02R	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/14/09		04/23/09
58-03	5803-SW-02R	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/14/09		04/23/09
58-03	5803-SW-02R	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/14/09		04/23/09
58-03	5803-SW-02R	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/14/09		04/23/09
58-03	5803-SW-02R	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/14/09		04/23/09
58-03	5803-SW-02R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/14/09		04/23/09
58-03	5803-SW-02R	67-64-1	3	Acetone	BQL	ug/L	U	EPA 8260	2.2	100	1	04/14/09		04/23/09
58-03	5803-SW-02R	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/14/09		04/23/09
58-03	5803-SW-02R	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/14/09		04/23/09
58-03	5803-SW-02R	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/14/09		04/23/09
58-03	5803-SW-02R	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/14/09		04/23/09
58-03	5803-SW-02R	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/14/09		04/23/09
58-03	5803-SW-02R	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/14/09		04/23/09
58-03	5803-SW-02R	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/14/09		04/23/09
58-03	5803-SW-02R	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/14/09		04/23/09
58-03	5803-SW-02R	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/14/09		04/23/09
58-03	5803-SW-02R	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/14/09		04/23/09
58-03	5803-SW-02R	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/14/09		04/23/09
58-03	5803-SW-02R	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/14/09		04/23/09
58-03	5803-SW-02R	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/14/09		04/23/09
58-03	5803-SW-02R	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/14/09		04/23/09
58-03	5803-SW-02R	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/14/09		04/23/09
58-03	5803-SW-02R		320	pH	6.46	standard						04/14/09		
58-03	5803-SW-02R		323	Specific Conductivity	106	uS						04/14/09		
58-03	5803-SW-02R		325	Temperature	13.99	°C						04/14/09		
58-03	5803-SW-02R		330	Turbidity	19.78	NTU						04/14/09		

Table 1
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-SW-02R		336	Oxygen Reduction Potential	8.7	mV						04/14/09		
58-03	5803-SW-02R		356	Dissolved Oxygen	12.10	mg/l						04/14/09		
58-03	5803-LP-1	7440-36-0	13	Antimony	BQL	ug/L	U	EPA 6010	2.6	6	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-38-2	14	Arsenic	BQL	ug/L	U	EPA 6010	2.7	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-39-3	15	Barium	78.6	ug/L	*J*	EPA 6010	0.20	100	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-41-7	23	Beryllium	BQL	ug/L	U	EPA 6010	0.10	1	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-43-9	34	Cadmium	BQL	ug/L	U	EPA 6010	0.50	1	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-47-3	51	Chromium	0.97	ug/L	J	EPA 6010	0.40	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-48-4	53	Cobalt	8.2	ug/L	*J*	EPA 6010	0.60	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-50-8	54	Copper	1.2	ug/L	J	EPA 6010	0.30	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7439-92-1	131	Lead	BQL	ug/L	U	EPA 6010	4.0	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7439-97-6	132	Mercury	BQL	ug/L	U	EPA 7470	0.070	0.2	1	04/15/09	04/21/09	04/22/09
58-03	5803-LP-1	7440-02-0	152	Nickel	15.8	ug/L	*J*	EPA 6010	1.7	50	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7782-49-2	183	Selenium	BQL	ug/L	U	EPA 6010	3.8	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-22-4	184	Silver	BQL	ug/L	U	EPA 6010	0.10	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-28-0	194	Thallium	BQL	ug/L	U	EPA 200.8	0.25	5.5	1	04/15/09	04/23/09	04/27/09
58-03	5803-LP-1	7440-62-2	209	Vanadium	1.5	ug/L	J	EPA 6010	0.20	25	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	7440-66-6	213	Zinc	3.8	ug/L	J	EPA 6010	0.40	10	1	04/15/09	04/24/09	04/28/09
58-03	5803-LP-1	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/15/09		04/23/09
58-03	5803-LP-1	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/15/09		04/23/09
58-03	5803-LP-1	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/15/09		04/23/09
58-03	5803-LP-1	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/15/09		04/23/09
58-03	5803-LP-1	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/15/09		04/23/09
58-03	5803-LP-1	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/15/09		04/23/09
58-03	5803-LP-1	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/15/09		04/23/09
58-03	5803-LP-1	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/15/09		04/23/09
58-03	5803-LP-1	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/15/09		04/23/09
58-03	5803-LP-1	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/15/09		04/23/09
58-03	5803-LP-1	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/15/09		04/23/09
58-03	5803-LP-1	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/15/09		04/23/09
58-03	5803-LP-1	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/15/09		04/23/09
58-03	5803-LP-1	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/15/09		04/23/09
58-03	5803-LP-1	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/15/09		04/23/09
58-03	5803-LP-1	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/15/09		04/23/09
58-03	5803-LP-1	67-64-1	3	Acetone	8.5	ug/L	J	EPA 8260	2.2	100	1	04/15/09		04/23/09
58-03	5803-LP-1	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/15/09		04/23/09
58-03	5803-LP-1	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/15/09		04/23/09
58-03	5803-LP-1	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/15/09		04/23/09
58-03	5803-LP-1	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/15/09		04/23/09
58-03	5803-LP-1	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/15/09		04/23/09
58-03	5803-LP-1	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/15/09		04/23/09
58-03	5803-LP-1	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/15/09		04/23/09
58-03	5803-LP-1	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/15/09		04/23/09
58-03	5803-LP-1	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/15/09		04/23/09
58-03	5803-LP-1	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/15/09		04/23/09
58-03	5803-LP-1	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/15/09		04/23/09
58-03	5803-LP-1	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/15/09		04/23/09

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58-03	5803-LP-1	156-59-2	78	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	5	1	04/15/09		04/23/09
58-03	5803-LP-1	10061-01-5	86	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	1	1	04/15/09		04/23/09
58-03	5803-LP-1	124-48-1	66	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	3	1	04/15/09		04/23/09
58-03	5803-LP-1	74-95-3	139	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	10	1	04/15/09		04/23/09
58-03	5803-LP-1	100-41-4	110	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	1	1	04/15/09		04/23/09
58-03	5803-LP-1	74-88-4	142	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/15/09		04/23/09
58-03	5803-LP-1	1330-20-7	359	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	NE	1	04/15/09		04/23/09
58-03	5803-LP-1	75-09-2	140	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/15/09		04/23/09
58-03	5803-LP-1	95-47-6	408	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	NE	1	04/15/09		04/23/09
58-03	5803-LP-1	100-42-5	186	Styrene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-LP-1	127-18-4	192	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	1	1	04/15/09		04/23/09
58-03	5803-LP-1	108-88-3	196	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-LP-1	156-60-5	79	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	5	1	04/15/09		04/23/09
58-03	5803-LP-1	10061-02-6	87	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/15/09		04/23/09
58-03	5803-LP-1	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	100	1	04/15/09		04/23/09
58-03	5803-LP-1	79-01-6	201	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	1	1	04/15/09		04/23/09
58-03	5803-LP-1	75-69-4	203	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/15/09		04/23/09
58-03	5803-LP-1	108-05-4	210	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	50	1	04/15/09		04/23/09
58-03	5803-LP-1	75-01-4	211	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/15/09		04/23/09
58-03	5803-LP-1	1330-20-7	346	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/15/09		04/23/09
58-03	5803-LP-1	SW316	316	BOD, 5 day	18.0	mg/L		SM 5210B	2.0		1	04/15/09	04/16/09	04/21/09
58-03	5803-LP-1	SW317	317	Chemical Oxygen Demand	243	mg/L		SM 5220D	25.0		1	04/15/09		04/27/09
58-03	5803-LP-1	SW303	303	Nitrogen, Nitrate	3.6	mg/L		EPA 353.2	0.10		1	04/15/09		04/17/09
58-03	5803-LP-1	7723-14-0	412	Phosphorus	0.21	mg/L		EPA 365.1	0.10		1	04/15/09		04/21/09
58-03	5803-LP-1	14808-79-8	315	Sulfate	10.2	mg/L		ASTM D516-90	5.0		1	04/15/09		04/16/09
58-03	5803-LP-1		320	pH	8.59	standard						04/15/09		
58-03	5803-LP-1		323	Specific Conductivity	1,334	uS						04/15/09		
58-03	5803-LP-1		325	Temperature	11.69	°C						04/15/09		
58-03	5803-LP-1		330	Turbidity	11.84	NTU						04/15/09		
58-03	5803-LP-1		336	Oxygen Reduction Potential	187.1	mV						04/15/09		
58-03	5803-LP-1		356	Dissolved Oxygen	6.88	mg/l						04/15/09		
58-03	TRIP BLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.33	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	71-55-6	200	1,1,1-Trichloroethane	BQL	ug/L	U	EPA 8260	0.48	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	ug/L	U	EPA 8260	0.40	3	1	04/16/09		04/23/09
58-03	TRIP BLANK	79-00-5	202	1,1,2-Trichloroethane	BQL	ug/L	U	EPA 8260	0.29	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-34-3	75	1,1-Dichloroethane	BQL	ug/L	U	EPA 8260	0.32	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-35-4	77	1,1-Dichloroethene	BQL	ug/L	U	EPA 8260	0.56	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	96-18-4	206	1,2,3-Trichloropropane	BQL	ug/L	U	EPA 8260	0.41	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	ug/L	U	EPA 8260	2.5	13	1	04/16/09		04/23/09
58-03	TRIP BLANK	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	95-50-1	69	1,2-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.30	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	107-06-2	76	1,2-Dichloroethane	BQL	ug/L	U	EPA 8260	0.12	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	78-87-5	82	1,2-Dichloropropane	BQL	ug/L	U	EPA 8260	0.27	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	106-46-7	71	1,4-Dichlorobenzene	BQL	ug/L	U	EPA 8260	0.33	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	78-93-3	141	2-Butanone (MEK)	BQL	ug/L	U	EPA 8260	0.96	100	1	04/16/09		04/23/09
58-03	TRIP BLANK	591-78-6	124	2-Hexanone	BQL	ug/L	U	EPA 8260	0.46	50	1	04/16/09		04/23/09
58-03	TRIP BLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	ug/L	U	EPA 8260	0.33	100	1	04/16/09		04/23/09

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58-03	TRIP BLANK	67-64-1	3	Acetone	2.8	ug/L	J	EPA 8260	2.2	100	1	04/16/09		04/23/09
58-03	TRIP BLANK	107-13-1	8	Acrylonitrile	BQL	ug/L	U	EPA 8260	1.9	200	1	04/16/09		04/23/09
58-03	TRIP BLANK	71-43-2	16	Benzene	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	74-97-5	28	Bromochloromethane	BQL	ug/L	U	EPA 8260	0.17	3	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-27-4	29	Bromodichloromethane	BQL	ug/L	U	EPA 8260	0.18	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-25-2	30	Bromoform	BQL	ug/L	U	EPA 8260	0.26	3	1	04/16/09		04/23/09
58-03	TRIP BLANK	74-83-9	136	Bromomethane	BQL	ug/L	U	EPA 8260	0.29	10	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-15-0	35	Carbon disulfide	BQL	ug/L	U	EPA 8260	1.2	100	1	04/16/09		04/23/09
58-03	TRIP BLANK	56-23-5	36	Carbon tetrachloride	BQL	ug/L	U	EPA 8260	0.25	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	108-90-7	39	Chlorobenzene	BQL	ug/L	U	EPA 8260	0.23	3	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-00-3	41	Chloroethane	BQL	ug/L	U	EPA 8260	0.54	10	1	04/16/09		04/23/09
58-03	TRIP BLANK	67-66-3	44	Chloroform	BQL	ug/L	U	EPA 8260	0.14	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	74-87-3	137	Chloromethane	BQL	ug/L	U	EPA 8260	0.11	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	124-48-1	78	Dibromochloromethane	BQL	ug/L	U	EPA 8260	0.21	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	74-95-3	86	Dibromomethane	BQL	ug/L	U	EPA 8260	0.21	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	100-41-4	66	Ethylbenzene	BQL	ug/L	U	EPA 8260	0.30	3	1	04/16/09		04/23/09
58-03	TRIP BLANK	74-88-4	139	Iodomethane	BQL	ug/L	U	EPA 8260	0.32	10	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-09-2	110	Methylene Chloride	BQL	ug/L	U	EPA 8260	0.97	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	100-42-5	142	Styrene	BQL	ug/L	U	EPA 8260	0.26	10	1	04/16/09		04/23/09
58-03	TRIP BLANK	127-18-4	359	Tetrachloroethene	BQL	ug/L	U	EPA 8260	0.46	NE	1	04/16/09		04/23/09
58-03	TRIP BLANK	108-88-3	140	Toluene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	79-01-6	408	Trichloroethene	BQL	ug/L	U	EPA 8260	0.47	NE	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-69-4	186	Trichlorofluoromethane	BQL	ug/L	U	EPA 8260	0.20	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	108-05-4	192	Vinyl acetate	BQL	ug/L	U	EPA 8260	0.35	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	75-01-4	196	Vinyl chloride	BQL	ug/L	U	EPA 8260	0.62	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	1330-20-7	79	Xylene (Total)	BQL	ug/L	U	EPA 8260	0.66	5	1	04/16/09		04/23/09
58-03	TRIP BLANK	156-59-2	87	cis-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.19	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	10061-01-5	73	cis-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.13	100	1	04/16/09		04/23/09
58-03	TRIP BLANK	1330-20-7	201	m&p-Xylene	BQL	ug/L	U	EPA 8260	0.66	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	95-47-6	203	o-Xylene	BQL	ug/L	U	EPA 8260	0.23	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	156-60-5	210	trans-1,2-Dichloroethene	BQL	ug/L	U	EPA 8260	0.49	50	1	04/16/09		04/23/09
58-03	TRIP BLANK	10061-02-6	211	trans-1,3-Dichloropropene	BQL	ug/L	U	EPA 8260	0.26	1	1	04/16/09		04/23/09
58-03	TRIP BLANK	110-57-6	346	trans-1,4-Dichloro-2-butene	BQL	ug/L	U	EPA 8260	1.0	5	1	04/16/09		04/23/09

Table 1
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility
Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTIO N DATE	ANALYSIS DATE

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to an identified parameter.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "Result" is analytical data reported by the laboratory in units of micrograms per liter (ug/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
4. "Qualifier" is a laboratory data qualifier or flag. "U" is used to denote parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used to denote parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the Solid Waste Section Limit (SWSL). Italicized J-flags ("*J* ") denote values that are above the MDL, but are below both the laboratory's adjusted reporting limit (PQL) and the SWS
5. "Method" is the analytical method used to analyze the constituents.
6. Method Detection Limit ("MDL") is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
7. "SWSL" is the Solid Waste Section Limit. This limit is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number and indicates whether or not dilution of the sample was performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If special preparation or extraction was not performed prior to analysis, the data table cell is blank.
11. "Analysis Date" is the date on which the sample was analyzed by the lab.
12. **Bold** numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
13. 2B Standards are listed in "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on August 2007).
14. 2L Standards are listed in "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR, (last amended on May 1, 2007).
15. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on October 23, 2007).
16. "NE" means Not Established.
17. Blank cells indicate that there is no information relevant to the respective row.
18. The actual sampling date for well MW-04 was April 15, 2009, however chain of custody and analytical report mark April 14, 2009 as the sampling date.

Table 2
Solid Waste Section Limit Exceedance Notification
Madison County Operating Solid Waste Facility
Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-03	7440-39-3	15	Barium	214	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-03	7440-48-4	53	Cobalt	**88.9**	ug/L		EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-04	7440-39-3	15	Barium	125	ug/L		EPA 6010	0.20	100	1	04/15/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-39-3	15	Barium	137	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-41-7	23	Beryllium	1.1	ug/L		EPA 6010	0.10	1	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-48-4	53	Cobalt	13.6	ug/L		EPA 6010	0.60	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-06R	7440-66-6	213	Zinc	39.4	ug/L		EPA 6010	0.40	10	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-07R	7440-39-3	15	Barium	140	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09
58-03	5803-MW-09	7440-39-3	15	Barium	143	ug/L		EPA 6010	0.20	100	1	04/16/09	04/24/09	04/28/09

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to an identified parameter.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "Result" is analytical data reported by the laboratory in units of micrograms per liter (ug/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
4. "Qualifier" is a laboratory data qualifier or flag. "U" is used to denote parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used to denote parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the Solid Waste Section Limit (SWSL). Italicized J-flags ("*J*") denote values that are above the MDL, but are below both the laboratory's adjusted reporting limit (PQL) and the
5. "Method" is the analytical method used to analyze the constituents.
6. Method Detection Limit ("MDL") is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
7. "SWSL" is the Solid Waste Section Limit. This limit is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number and indicates whether or not dilution of the sample was performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If special preparation or extraction was not performed prior to analysis, the data table cell is blank.
11. "Analysis Date" is the date on which the sample was analyzed by the lab.
12. **Bold** numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
13. 2B Standards are listed in "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on August 2007).
14. 2L Standards are listed in "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR, (last amended on May 1, 2007).
15. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on October 23, 2007).
16. "NE" means Not Established.
17. Blank cells indicate that there is no information relevant to the respective row.
18. The actual sampling date for well MW-04 was April 15, 2009, however chain of custody and analytical report mark April 14, 2009 as the sampling date.

Table 3
Water Quality Standard Exceedence Notification
Madison County Operating Solid Waste Facility
Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	2L Standard	GWPS Standard	COLLECT DATE	ANALYSIS DATE	CAUSE AND SIGNIFICANCE
58-03	5803-MW-03	7440-48-4	53	Cobalt	**88.9**	ug/L		EPA 6010	0.60	10	NE	70	04/16/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 3.22 NTU. Walnut Creek tributary to west.
58-03	5803-MW-04	7440-62-2	209	Vanadium	**4.5**	ug/L	J	EPA 6010	0.20	25	NE	3.5	04/15/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 0.25 NTU. Walnut Creek tributary to west.
58-03	5803-MW-05	7440-62-2	209	Vanadium	**4.3**	ug/L	J	EPA 6010	0.20	25	NE	3.5	04/14/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 0.00 NTU. Walnut Creek tributary to west.
58-03	5803-MW-06R	7440-62-2	209	Vanadium	**16.2**	ug/L	*J*	EPA 6010	0.20	25	NE	3.5	04/16/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 118.6 NTU. Walnut Creek tributary to west.
58-03	5803-MW-07R	7440-62-2	209	Vanadium	**6.3**	ug/L	*J*	EPA 6010	0.20	25	NE	3.5	04/16/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 101.01 NTU. Walnut Creek tributary to west.
58-03	5803-MW-08	7440-62-2	209	Vanadium	**4.7**	ug/L	J	EPA 6010	0.20	25	NE	3.5	04/14/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 8.97 NTU. Walnut Creek tributary to west.
58-03	5803-MW-09	7440-62-2	209	Vanadium	**3.7**	ug/L	J	EPA 6010	0.20	25	NE	3.5	04/16/09	04/28/09	Potentially naturally occuring - lower than background concentration; turbidity 23.09 NTU. Walnut Creek tributary to west.

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to an identified parameter.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "Result" is analytical data reported by the laboratory in units of micrograms per liter (ug/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
4. "Qualifier" is a laboratory data qualifier or flag. "U" is used to denote parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used to denote parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the Solid Waste Section Limit (SWSL). Italicized J-flags ("*J*") denote values that are above the MDL, but are below both the laboratory's adjusted reporting limit (PQL) and the
5. "Method" is the analytical method used to analyze the constituents.
6. Method Detection Limit ("MDL") is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
7. "SWSL" is the Solid Waste Section Limit. This limit is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number and indicates whether or not dilution of the sample was performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If special preparation or extraction was not performed prior to analysis, the data table cell is blank.
11. "Analysis Date" is the date on which the sample was analyzed by the lab.
12. **Bold** numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
13. 2B Standards are listed in "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on August 2007).
14. 2L Standards are listed in "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR, (last amended on May 1, 2007).
15. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on October 23, 2007).
16. "NE" means Not Established.
17. Blank cells indicate that there is no information relevant to the respective row.
18. The actual sampling date for well MW-04 was April 15, 2009, however chain of custody and analytical report mark April 14, 2009 as the sampling date.

Table 4
Well Construction Details and Corresponding Elevations
Madison County Operating Solid Waste Facility
Madison County, North Carolina

April 14-16, 2009

Facility Permit	Well ID	TOC Elevation	Depth To Water (from TOC)	Groundwater Elevation	Depth to Bedrock	Bedrock Elevation	Screened Interval	Top of Screen Elevation
58-03	5803-MW-01	1859.04	4.97	1854.07	7	1849.5	2 to 17	1857.04
58-03	5803-MW-02	1898.94	4.40	1894.54	6	1890.4	1 to 16	1897.94
58-03	5803-MW-03	1932.96	21.38	1911.58	NA	NA	15.5 to 30.5	1913.72
58-03	5803-MW-04	1935.64	28.70	1906.94	35.2	1895.2	70.7 to 80.7	1862.21
58-03	5803-MW-05	1972.76	52.84	1919.92	NA	NA	46.5 to 61.5	1926.26
58-03	5803-MW-06	2082.87	DRY	NA	28	2052.4	80 to 100	2002.87
58-03	5803-MW-06R	1942.19	7.78	1934.41	NA	NA	10 to 25	1932.19
58-03	5803-MW-07R	1919.34	30.48	1888.86	NA	NA	26.1 to 41.1	1890.53
58-03	5803-MW-08	1899.92	21.87	1878.05	NA	NA	16.3 to 26.3	1881.02
58-03	5803-MW-09	1949.43	8.61	1940.82	NA	NA	12.4 to 22.4	1934.29

Notes:

1. Elevations are in feet, measured relative to mean sea level.
2. TOC means top of casing; NA means not applicable.
3. Depth to Bedrock and Screened Interval depths are measured in feet relative to ground surface.
4. For 5803-MW-01, 5803-MW-02, 5803-MW-05, and 5803-MW-06, elevations are based on the report, Transition Plan Application (Law Engineering, April 1994). Depth to Bedrock and Screened Interval taken from boring logs completed on September 26, 27, 28, and 29, 1992 and April 12, 1995.
5. 5803-MW-03 and 5803-MW-04 raised during closure of MSW cell. TOC elevations from the ground survey performed on December 14, 2006. Ground survey data is included on the Closer Plan drawing generated by McGill Associates on January 4, 2007. Adjusted Depth to Bedrock and Screened Interval elevations were calculated using original data from September 1992 boring logs and new data from the ground survey.
6. For 5803-MW-07R and 5803-MW-08, elevations are taken from boring logs completed by Bunnell-Lammons Engineering on July 28, 29, and 30, 2003.
7. For 5803-MW-09, elevations taken from boring log completed by Bunnell-Lammons Engineering, Inc. on October 13, 2006.
8. Monitoring of background well 5803-MW-06 terminated in Fall 2008 because the well went dry. 5803-MW-06R was installed on September 27, 2008 to replace 5803-MW-06. Survey data for 5803-MW-06R are based on a field survey conducted on April 16, 2009 by Wes Cole Land Surveying, I

APPENDICES

APPENDIX A

SAMPLING LOGS
AND
EQUIPMENT CALIBRATION SHEET(S)

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
50 COLLEGE STREET, ASHEVILLE, NC 28801
TEL. 828.281.3350 FAC .828.281.3351
www.altamontenvironmental.com

Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: Katie Massie, Brook Sherman
Date: 4/14/09

Well ID: MW-1
Screen Interval: 2-17 bgs
Depth to Water: 4.97 toc
Stickup: 2.0 ft
Depth of Pump Intake: 10.50 toc
Drawdown Set: 6.00 toc

Arrive at Well: 12:21
Start Time: 12:29
Sample Time: 12:36
Finish Sample Time: 13:09
Leave Well:

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
1233	5.5	10.66	5.23	.047	164.7	5.08	15.88
1236	5.7	10.68	4.79	.047	178.2	4.9	14.36
1239	5.8	10.46	4.66	.047	182.1	4.58	9.38
1242	6.0	10.34	4.57	.047	182.5	3.64	6.75
1245	6.0	10.54	4.62	.047	178.2	3.30	7.23
1248	6.0	10.80	4.68	.047	178.9	3.21	6.24
1251	6.00	10.91	4.70	.047	176.7	2.96	5.97

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: 90 sec

Comments:
Discharge time = 15 sec.
Fill time = 20 sec
1.5 gallons

Sample name: MW-1

Sampling Technician Name: Brook Sherman

Signature:

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www.altamontenvironmental.com

Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K. Massie, B. Shemai
Date: 04-16-09

Well ID: MW-2
Screen Interval: 1-16 bgs
Depth to Water: ~~5.~~ 4.40 toc
Stickup: ~0.5 ft
Depth of Pump Intake: 8.50 toc
Drawdown Set: 4.9 toc

Arrive at Well: 11:55
Start Time: 1205
Sample Time: 1233
Finish Sample Time: 1238
Leave Well: 1257

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
1207	4.79	12.75	5.93	.136	159.3	.96	8.06
1210	4.90	11.86	5.79	.136	151.7	.67	7.30
1213	4.90	11.80	5.71	.136	154.4	.85	7.61
1216	4.90	11.91	5.65	.136	153.9	1.48	5.53
1219	4.90	11.78	5.63	.136	152.3	1.38	4.15
1222	4.90	11.68	5.61	.136	150.7	1.23	3.50
1225	4.90	11.73	5.59	.136	149.9	.82	3.69
1228	4.90	11.76	5.59	.137	147.2	.78	3.70
1231	4.90	11.74	5.57	.136	146.9	.79	3.84

STABILIZATION

3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: 45 sec

Comments:

Discharge time set @ : 10 sec
Fill time set @ : 10 sec
purged : 1.25 gallons

Strong sewage smell (methane)

Sample name: MW-2

Sampling Technician Name: Katie Massie

Signature: Katie Massie

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50 COLLEGE STREET, ASHEVILLE, NC 28801
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www.altamontenvironmental.com

Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K. Massie, B. Shemai
Date: 04-16-09

Well ID: MW-3
Screen Interval: 15.5 - 25.5 bgs
Depth to Water: 21.38 toc
Stickup: ~3.7 ft
Depth of Pump Intake: 24.88 toc
Drawdown Set: 23.00 toc

Arrive at Well: 13:05
Start Time: 13:22
Sample Time: 14:19
Finish Sample Time: 14:28
Leave Well: 14:44

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
~~2~~ 13:24	21.88	16.07	5.42	0.185	145.4	1.35	53.85
13:27	22.38	15.56	5.58	0.231	124.0	1.17	81.36
13:30	22.38	15.62	5.69	0.258	110.0	1.01	41.80
13:30	22.38	15.80	5.71	0.321	97.1	0.82	20.86
13:33	22.38	15.79	5.75	0.335	92.8	0.89	21.37
13:36	22.38	15.87	5.69	0.346	91.8	0.76	16.39
13:39	22.38	15.87	5.79	0.361	88.4	0.69	15.74
13:42	22.61	15.30	5.60	0.336	102.7	0.98	12.56
13:45	22.91	15.21	5.66	0.316	112.5	0.93	14.15
13:48	23.00	15.21	5.68	0.328	113.0	0.96	8.05
13:51	23.00	15.35	5.74	0.355	103.0	0.92	7.70
13:54	23.00	15.43	5.79	0.377	94.2	0.85	8.01
13:57	23.00	15.44	5.83	0.396	87.3	0.60	7.22
~~13~~ 14:00	23.00	15.22	5.82	0.404	85.4	0.82	6.58
14:03	23.00	15.58	5.77	0.409	85.0	0.78	5.95
14:06	23.00	15.57	5.84	0.413	83.3	0.53	4.19
14:09	23.00	15.55	5.84	0.414	83.8	0.51	3.88
14:12	23.00	15.68	5.85	0.416	84.7	0.62	3.62
14:15	23.00	15.68	5.85	0.416	84.8	0.51	3.22

STABILIZATION

3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: ~40 sec

Comments:

discharge set @ 15 sec
fill time set @ 10 sec

*purged 3+ well volumes took 10 measurements @ same depth & then took sample. parameters close to stabilized

1.33 gal = 1 well vol.
3.99 gal = 3 well vol.
purged 4.5 gal

Sample name: MW-3

Sampling Technician Name: Katie Massie

Signature: Katie Massie

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Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K. Massie, B. Shemai
Date: 04-15-09

Well ID: MW-4
Screen Interval: 70.7 - 80.7 bgs
Depth to Water: 28.70 toc
Stickup: ~4.00
Depth of Pump Intake: 79.70 toc
Drawdown Set: 29.20 toc

Arrive at Well: 13:30 ~~14~~
Start Time: 14:22
Sample Time: 14:45
Finish Sample Time:
Leave Well:

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
14:25	29.20	15.01	5.98	0.165	171.6	5.48	1.18
14:28	29.20	15.13	5.95	0.165	168.6	~~5.95~~ 3.85	0.82
14:31	29.20	15.13	5.94	0.164	168.0	3.60	0.39
14:34	29.20	15.10	5.93	0.164	166.3	3.40	0.30
14:37	29.20	15.08	5.92	0.163	166.1	3.28	0.28
14:40	29.20	15.08	5.93	0.163	165.2	3.24	0.27
14:43	29.20	15.07	5.92	0.163	165.0	3.21	0.25

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: 20 sec

Comments:
discharge time set @ 20 sec
fill time set @ 20 sec

purged 1.25 gal

Sample name: MW-5
Sampling Technician Name: Barak Shemai
Signature: Katie Massie for Barak Shemai

Arrived @ well @ 13:30 in rain. Set up ez-up but had to sit in truck due to thunder + lightning. Returned to finish setting up pump @ well @ ~~13~~ 14:10

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Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K.Massie, B.Shemai
Date: 4-14-09

Well ID: MW-5
Screen Interval: 46.5-61.5 bgs
Depth to Water: 52.84 toc
Stickup: 1.5
Depth of Pump Intake: 58.00 toc
Drawdown Set: 54.34 toc

Arrive at Well: 10:08
Start Time: 10:32
Sample Time: 11:21
Finish Sample Time: 11:39
Leave Well: 11:58

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
10:39	53.15	14.61	5.78	0.143	158.1	0.90	2.80
10:42	53.34	14.43	5.68	0.141	156.9	1.08	1.27
10:45	53.38	14.37	5.65	0.141	156.8	2.02	0.92
10:48	53.53	14.33	5.62	0.142	156.8	1.50	0.81
10:51	53.70	14.31	5.62	0.142	156.4	1.07	0.79
10:52 — stopped pump to set up easy up. Rain.							
10:56	53.84	14.23	5.61	0.144	155.4	0.64	0.64
10:59	53.93	14.20	5.62	0.143	155.2	0.58	0.67
11:02	54.09	14.21	5.61	0.142	155.8	0.54	0.00
11:05	54.18	14.18	5.62	0.143	155.8	0.42	0.00
11:08	54.34	14.19	5.61	0.142	155.8	0.35	0.00
11:11	54.34	14.19	5.63	0.142	154.7	0.33	0.00
11:14	54.34	14.18	5.64	0.142	154.6	0.34	0.00
11:17	54.34	14.13	5.64	0.142	155.0	0.35	0.00

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: ~ 2.5 min

Comments: slow well. DO seems unusually low, but was ~0.50 at time of sample in October 2008.

Discharge time set @ 15 sec Fill time set @ 15 sec

Sample name: MW-5

Sampling Technician Name: K. Massie

Signature: Katie Massie

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Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K. Massie, B. Shemai
Date: 04-16-09

Well ID: MW-6R
Screen Interval: 10-25 bgs
Depth to Water: 7.78 toc
Stickup: 0
Depth of Pump Intake: 17.50 toc
Drawdown Set: 15.25 toc

Arrive at Well: 14:50
Start Time: 1504
Sample Time: 15:27
Finish Sample Time: 15:31
Leave Well: 15:50

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
1504	8.06	15.28	6.68	.117	128.4	6.60	236.8
1507	8.28	13.96	5.99	.115	159.3	5.48	246.3
1510	8.28	13.86	5.37	.114	151.8	5.37	227.4
1513	8.28	13.78	5.27	.114	150.5	5.25	187.8
1516	8.28	13.76	6.03	.114	149.5	5.19	170.5
1519	8.28	13.73	6.02	.114	150.9	5.12	121.5
1522	8.28	13.65	5.99	.114	151.1	5.11	120.7
1525	8.28	13.68	5.97	.114	150.1	5.07	118.6

STABILIZATION

3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: 8 sec

Comments: 3.5 gallons purged
discharge = 10 sec fill time = 10 sec.

Sample name: MW-6R

Sampling Technician Name: Barak Shemai

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K Massie, B. Shemai
Date: 04-16-09

Well ID: MW-7R
Screen Interval: 26.1-41.1 bgs
Depth to Water: 30.48 toc
Stickup: ~3.0 ft
Depth of Pump Intake: 40.00 toc
Drawdown Set: 32.98 toc

Arrive at Well: 10:10
Start Time: 10:28
Sample Time: 10:50
Finish Sample Time: 10:57
Leave Well: 11:13

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
10:27	30.98	14.53	6.63	.060	170.8	9.80	88.59
1030	31.48	14.48	6.12	.058	163.0	8.45	68.58
1033	32.13	14.36	5.98	.057	160.1	8.51	52.47
10:36	32.48	14.38	5.93	.057	158.4	8.23	43.74
1039	32.98	14.32	5.89	.058	157.5	8.50	68.80
1042	32.98	14.43	5.88	.059	156.7	7.86	88.82
1045	32.98	14.42	5.87	.059	156.9	7.87	92.87
1048	32.98	14.43	5.86	.059	157.3	7.91	101.01

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: 130 sec

Comments:

Discharge time set @ 12 sec fill Time = 15 sec
1.1 gallons

Sample name: MW-7R

Sampling Technician Name: Katie Massie

Signature: Katie Massie

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Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K. Massie, B. Shemai
Date: 04-14-09

Well ID: MW-08
Screen Interval: 16.3 - 26.3 bgs
Depth to Water: 21.87 toc
Stickup: ~ 4.00 ft
Depth of Pump Intake: 28.30 toc
Drawdown Set: 24.87 toc

Arrive at Well: 08:26
Start Time: 08:45
Sample Time: 9:20
Finish Sample Time: 9:31
Leave Well: 9:58

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
850	22.6	13.62	5.81	.193	152.9	7.82	3.02
853	23.4	13.57	5.76	.193	153.2	7.79	4.93
856	23.49	13.47	5.73	.191	155.9	7.57	7.05
859	23.87	13.46	5.71	.191	156.6	7.36	7.71
902	24.38	13.45	5.70	.190	157.4	7.04	7.38
905	24.56	13.47	5.72	.190	156.6	6.92	9.47
908	24.87	13.48	5.73	.191	157.0	6.65	8.30
911	24.87	13.33	5.74	.191	157.4	6.56	8.88
913	24.87	13.30	5.72	.191	160.5	6.58	9.12
916	24.87	13.22	5.72	.191	159.5	6.60	8.97

STABILIZATION

3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: 85 sec

Comments: 2 gallons discharged
Fill time = 25 sec
discharge time = 10 sec

Sample name: MW-8

Sampling Technician Name: Katie Massie

Signature: Katie Massie

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Low-Flow Sampling Data Sheet

Project Name: Madison Co - Operating LF
Project Number: 2313.1202
Personnel: K. Massie
B. Shemai
Date: 04-16-09

Well ID: MW-9
Screen Interval: 12.4-22.4 bgs
Depth to Water: 8.61 toc
Stickup: ~2.8
Depth of Pump Intake: 20.20 toc
Drawdown Set: 10.61 toc

Arrive at Well: 854
Start Time: 900
Sample Time: 935
Finish Sample Time: 938
Leave Well: 10:00

Time	DTW (feet)	Temp (°C)	pH	Conductivity (mS/cm°)	ORP (mV)	DO (mg/L)	Turbidity NTU
9:06	9.61	12.47	6.13	0.134	158.0	3.24	101.4
9:09	10.61	12.39	6.08	0.134	153.2	3.17	99.92
9:12	10.61	12.38	6.09	0.134	149.3	3.08	91.62
9:15	10.61	12.29	6.09	0.133	148.4	3.13	86.26
9:18	10.61	12.26	6.08	0.134	148.7	3.18	50.06
9:21	10.61	12.20	6.08	0.134	148.1	3.15	35.95
9:24	10.61	12.28	6.07	0.134	147.5	3.12	31.65
9:27	10.61	12.27	6.06	0.136	146.8	3.15	25.28
9:30	10.61	12.26	6.06	0.134	147.2	3.26	23.43
9:33	10.61	12.27	6.06	0.134	146.4	3.21	23.09

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996

Time between discharge cycles during sample collection: ~45 sec

Comments:
Discharg time set @ 15 sec
Fill time set @ 20 sec
purged 1.5-1.75 gal.

Sample name: MW-9
Sampling Technician Name: Katie Massie
Signature: Katie Massie

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Surface Water Sampling Log

FACILITY NAME: Madison Co.-Operating LF
DATE: 04-15-09
LOCATION: Marshall, NC
SAMPLING TIME: 13:15
SAMPLING PERSONNEL: K. Massie/B. Shemai
WEATHER: cool, overcast

SAMPLE NAME: ~~SW-1~~ LP-1

START TIME: 13:15
END TIME: 13:32

COMMENTS:
Sample taken from pond just below outfall pipe running into pond

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

READING	pH UNITS	SPECIFIC COND. (mS/cm^c)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	8.59	1.334	11.69	6.88	187.1	11.84	
2							
3							
4							
5							
6							
7							
8							
9							

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
125 ml PLASTIC	2	COD; Nitrate
250 ml PLASTIC	1	Appendix I metals; sulfate
500 ml PLASTIC		
40 ml GLASS	3	Appendix I VOCs
1 L ~~GLASS~~ plastic	1	BOD
OTHER		

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: Katie Massie **Date:** 4-15-09

Notes: mS/cm^c = milli-Siemen
C° = degrees Celsius
mg/L = milligrams per liter
mV = millivolt
NTU = nephelometric turbidity units

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Surface Water Sampling Log

FACILITY NAME: Madison Co-Operating LF
DATE: 04-15-09
LOCATION: Marshall, NC
SAMPLING TIME: 13:59
SAMPLING PERSONNEL: K. Massie / B. Shemai
WEATHER: cool, overcast

SAMPLE NAME: ~~LP-1~~ SW-1

START TIME: 12:47 } purging
END TIME: 12:53

COMMENTS: upstream from stormwater outfall pipe & ditch across road

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

READING	pH UNITS	SPECIFIC COND. (mS/cm°)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.74	0.085	10.83	10.06	~~10.06~~	8.22	
2					123.4		
3							
4							
5							
6							
7							
8							
9							

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
125 ml PLASTIC		
250 ml PLASTIC	1	Appendix I metals
500 ml PLASTIC		
40 ml GLASS	3	Appendix I VOCs by 8260 low level
1 L GLASS		
OTHER		

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: Katie Massie **Date:** 04-15-09

Notes: mS/cm° = milli-Siemen
C° = degrees Celsius
mg/L = milligrams per liter
mV = millivolt
NTU = nephelometric turbidity units

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Surface Water Sampling Log

FACILITY NAME: Madison Co - Operating LF
DATE: 04-14-09
LOCATION: downstream surface water
SAMPLING TIME:
SAMPLING PERSONNEL: K. Massie
WEATHER: overcast, ~60°F

SAMPLE NAME: SW-2R

START TIME: 13:31
END TIME:

COMMENTS: apparent ground disturbance observed adjacent to and upstream of SW-2R

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

READING	pH UNITS	SPECIFIC COND. (mS/cm^c)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.46	.106	13.99	12.10	8.7	19.78	
~~2~~	~~6.55~~	~~.107~~	~~13.97~~	~~11.84~~	~~8.0~~	BS	
3							
4							
5							
6							
7							
8							
9							

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
125 ml PLASTIC		
250 ml PLASTIC	1	Appendix I metals
500 ml PLASTIC		
40 ml GLASS	3	Appendix I VOCs (8260 low level)
1 L GLASS		
OTHER		

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: [signature] **Date:** 4/14/09

Notes: mS/cm^c = milli-Siemen
C° = degrees Celsius
mg/L = milligrams per liter
mV = millivolt
NTU = nephelometric turbidity units

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Madison County - Operating Landfill
Project Number: ~~2313.0~~ 2313.1202
Project Location: Marshall, NC

Equipment Documentation

Equipment or meters used to take measurements (e.g. water level meters, survey equipment, etc.):

Equipment Type	Manufacturer	Serial Number	Date of Use
150-ft Water Level	Heron	7186	
150-ft Water Level	Solinst	26154	
150-ft Water Level	Solinst	22754	
150-ft Water Level	Testwell	150	

Calibration Documentation

Person Conducting Calibration:
Date of Calibration: 04-14-09
Date of Field Measurements: 04-14-09

Micro TPW Turbidity Meter

Calibration Time	Calib Standard Exp	Instrument Serial #	Instrument Reading		
			1000 NTU	10.0 NTU	0.02 NTU
07:06	April 2010	200601045	Initial: 995.0 Cal: 1004	Initial: 10.85 Cal: 10.48	Initial: 0.14 Cal: 0.02

YSI 556 Multiparameter Meter

Calibration Time	Calib Standard Expiration Date	Instrument Serial Number	Instrument Readings						
			pH 4	pH 7	pH 10	QC pH 7	Conductivity 0.447 ~~µS~~ mS	QC .447 ~~84 µS~~ mS	ORP 200 mV
		07D100979	Initial: Cal:	Initial: Cal:	Initial: Cal:	Meas:	Initial: Cal:	Meas:	Initial: Cal:
06:56	Sep '09	07G101748 (Geotech rental 2229)	Initial: 3.91 Cal: 4.00	Initial: 7.22 Cal: 7.00	Initial: 9.79 Cal: 9.95	Meas: 6.98	Initial: 0.465 Cal: 0.447	Meas: 0.447	Initial: 190.8 Cal: 200.0

Comments:

Signature and Date: Katie Massey 04/14/09

Note: Electronic equipment calibrated according to the manufacturer's operation manual.

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Madison Co. LFs –
Project Number: 2313.1202 + 2313.1202
Project Location: Marshall, NC

Equipment Documentation

Equipment or meters used to take measurements (e.g. water level meters, survey equipment, etc.):

Equipment Type	Manufacturer	Serial Number	Date of Use
150-ft Water Level	Heron	7186	
150-ft Water Level	Solinst	26154	
150-ft Water Level	Solinst	22754	
150-ft Water Level	Testwell	150	

Calibration Documentation

Person Conducting Calibration: Katie Massie
Date of Calibration: 04-15-09
Date of Field Measurements: 04-15-09

Micro TPW Turbidity Meter

Calibration Time	Calib Standard Exp	Instrument Serial #	Instrument Reading		
			1000 NTU	10.0 NTU	0.02 NTU
7:00	Apr 2010	200601045	Initial: ~~899.4~~ Cal: 1030	Initial: 8.25 Cal: 9.44	Initial: 0.00 Cal: 0.01

YSI 556 Multiparameter Meter

Calibration Time	Calib Standard Expiration Date	Instrument Serial Number	Instrument Readings						
			pH 7	pH 4	pH 10	QC pH 7	Spec. Cond. 447/84/23 ~~µS~~ mS	QC 447 ~~84~~ µS	ORP 200 mV
		07D100979	Initial: Cal:	Initial: Cal:	Initial: Cal:	Meas:	Initial: ~~0.447~~ Cal: ~~0.~~	Meas:	Initial: Cal:
6:59	Jan '10	Geotech rental 2229	Initial: 6.82 Cal: 7.00	Initial: 4.03 Cal: 4.00	Initial: 9.92 Cal: 9.98	Meas: 6.99	Initial: 0.447 Cal: 0.447	Meas: 450	Initial: 203.1 Cal: 200.0

Comments: None

Signature and Date: Katie Massie

Note: Electronic equipment calibrated according to the manufacturer's operation manual. Specific Conductivity should be calibrated according to values representative of historic range
Order of Calibration is as follows : Specific Conductivity, pH 7, pH 4, pH 10, ORP, QC checks.

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Madison County Landfills
Project Number: 2313.1201 + .1202
Project Location: Marshall, NC

Equipment Documentation

Equipment or meters used to take measurements (e.g. water level meters, survey equipment, etc.):

Equipment Type	Manufacturer	Serial Number	Date of Use
150-ft Water Level	Heron	7186	
150-ft Water Level	Solinst	26154	
150-ft Water Level	Solinst	22754	
150-ft Water Level	Testwell	150	

Calibration Documentation

Person Conducting Calibration: Katie Massie
Date of Calibration: 04-16-09
Date of Field Measurements: 04-16-09

Micro TPW Turbidity Meter

Calibration Time	Calib Standard Exp	Instrument Serial #	Instrument Reading		
			1000 NTU	10.0 NTU	0.02 NTU
0714	April 2010	200601045	Initial: 670.9 Cal: 1043	Initial: 7.31 Cal: 10.07	Initial: 0.00 Cal: 0.01

YSI 556 Multiparameter Meter

Calibration Time	Calib Standard Expiration Date	Instrument Serial Number	Instrument Readings						
			pH 7	pH 4	pH 10	QC pH 7	Spec. Cond.	QC	ORP 200 mV
							0.447/84/23 ~~µS~~ mS	447 ~~84 µS~~ mS	
		07D100979	Initial: Cal:	Initial: Cal:	Initial: Cal:	Meas:	Initial: ~~0.464~~ Cal: ~~0.447~~	Meas:	Initial: Cal:
0705	Dec '09	Batch rental 2229 07	Initial: 7.06 Cal: 7.00	Initial: 3.96 Cal: 4.00	Initial: 10.07 Cal: 10.02	Meas: 6.94	Initial: 0.464 Cal: 0.447	Meas: 0.447	Initial: 202.1 Cal: 200.0

Comments:

Signature and Date: Katie Massie 04/16/09

Note: Electronic equipment calibrated according to the manufacturer's operation manual. Specific Conductivity should be calibrated according to values representative of historic range
Order of Calibration is as follows : Specific Conductivity, pH 7, pH 4, pH 10, ORP, QC checks.

APPENDIX B

LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY DOCUMENTATION

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

April 30, 2009

Mr. Joel Lenk
Altamont Environmental
50 College Street
Asheville, NC 28801

RE: Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory between April 15, 2009 and April 16, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Minnesota Certification IDs

Pennsylvania Certification #: 68-00563
Alaska Certification #: UST-078
Washington Certification #: C754
Wisconsin Certification #: 999407970
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Maine Certification #: 2007029
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Tennessee Certification #: 02818

Charlotte Certification IDs

South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357
South Carolina Certification #: 990060001
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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SAMPLE SUMMARY

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9242198001	**MW-8**	Water	04/14/09 09:20	04/15/09 14:59
9242198002	**MW-5**	Water	04/14/09 11:21	04/15/09 14:59
9242198003	**MW-1**	Water	04/14/09 12:56	04/15/09 14:59
9242198004	**SW-2R**	Water	04/14/09 13:33	04/15/09 14:59
9242198005	**MW-4**	Water	04/14/09 14:45	04/15/09 14:59
9242198006	**SW-1**	Water	04/15/09 13:59	04/15/09 14:59
9242198007	**MW-9**	Water	04/16/09 09:35	04/16/09 16:28
9242198008	**MW-7R**	Water	04/16/09 10:50	04/16/09 16:28
9242198009	**MW-2**	Water	04/16/09 12:33	04/16/09 16:28
9242198010	**MW-3**	Water	04/16/09 14:19	04/16/09 16:28
9242198011	**MW-6R**	Water	04/16/09 15:27	04/16/09 16:28
9242198012	**TRIP BLANK**	Water	04/16/09 00:00	04/16/09 16:28

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SAMPLE ANALYTE COUNT

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9242198001	**MW-8**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198002	**MW-5**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198003	**MW-1**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198004	**SW-2R**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198005	**MW-4**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198006	**SW-1**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198007	**MW-9**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198008	**MW-7R**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198009	**MW-2**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198010	**MW-3**	EPA 200.8	RJS	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9242198011	**MW-6R**	EPA 200.8	RJS	1	PASI-M
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-8 **Lab ID: 9242198001** Collected: 04/14/09 09:20 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 14:51	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 14:51	7440-38-2	
Barium	**32.6**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 14:51	7440-39-3	
Beryllium	**0.11J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 14:51	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 14:51	7440-43-9	
Chromium	**1.1J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 14:51	7440-47-3	
Cobalt	**3.3J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 14:51	7440-48-4	
Copper	**1.1J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 14:51	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 14:51	7439-92-1	
Nickel	**2.3J**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 14:51	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 14:51	7782-49-2	
Silver	**0.29J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 14:51	7440-22-4	
Vanadium	**4.7J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 14:51	7440-62-2	
Zinc	**2.4J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 14:51	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 16:53	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/17/09 17:35	04/21/09 14:01	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 04:57	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 04:57	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 04:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 04:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 04:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 04:57	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 04:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 04:57	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 04:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 04:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 04:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 04:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 04:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 04:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 04:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 04:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 04:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 04:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 04:57	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 04:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 04:57	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 04:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 04:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 04:57	75-35-4	

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ACCREDITED IN ACCORDANCE WITH nelac

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-8 **Lab ID: 9242198001** Collected: 04/14/09 09:20 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 04:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 04:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 04:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 04:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 04:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 04:57	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 04:57	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 04:57	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 04:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 04:57	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 04:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 04:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 04:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 04:57	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 04:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 04:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 04:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 04:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 04:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 04:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 04:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 04:57	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 04:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 04:57	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 04:57	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		04/23/09 04:57	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 04:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		04/23/09 04:57	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 04:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-5 **Lab ID: 9242198002** Collected: 04/14/09 11:21 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:19	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:19	7440-38-2	
Barium	**65.4**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:19	7440-39-3	
Beryllium	**0.16J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:19	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:19	7440-43-9	
Chromium	**0.72J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:19	7440-47-3	
Cobalt	**2.6J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:19	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:19	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:19	7439-92-1	
Nickel	**1.9J**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:19	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:19	7782-49-2	
Silver	**0.26J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:19	7440-22-4	
Vanadium	**4.3J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:19	7440-62-2	
Zinc	**1.1J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:19	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 17:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/17/09 17:35	04/21/09 14:03	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 05:21	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 05:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 05:21	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 05:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 05:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 05:21	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 05:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 05:21	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 05:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 05:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 05:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 05:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 05:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 05:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 05:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 05:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 05:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 05:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 05:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 05:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 05:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 05:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 05:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 05:21	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-5 **Lab ID: 9242198002** Collected: 04/14/09 11:21 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 05:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 05:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 05:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 05:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 05:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 05:21	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 05:21	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 05:21	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 05:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 05:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 05:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 05:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 05:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 05:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 05:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 05:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 05:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 05:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 05:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 05:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 05:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 05:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 05:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 05:21	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 05:21	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		04/23/09 05:21	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 05:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		04/23/09 05:21	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 05:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-1 **Lab ID: 9242198003** Collected: 04/14/09 12:56 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:22	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:22	7440-38-2	
Barium	**92.8**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:22	7440-39-3	
Beryllium	**0.17J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:22	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:22	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:22	7440-47-3	
Cobalt	**4.0J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:22	7440-48-4	
Copper	**0.41J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:22	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:22	7439-92-1	
Nickel	**2.0J**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:22	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:22	7782-49-2	
Silver	**0.14J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:22	7440-22-4	
Vanadium	**0.56J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:22	7440-62-2	
Zinc	**4.7J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:22	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 17:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/17/09 17:35	04/21/09 14:05	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 05:44	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 05:44	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 05:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 05:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 05:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 05:44	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 05:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 05:44	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 05:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 05:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 05:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 05:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 05:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 05:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 05:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 05:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 05:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 05:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 05:44	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 05:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 05:44	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 05:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 05:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 05:44	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-1 **Lab ID: 9242198003** Collected: 04/14/09 12:56 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 05:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 05:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 05:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 05:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 05:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 05:44	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 05:44	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 05:44	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 05:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 05:44	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 05:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 05:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 05:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 05:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 05:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 05:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 05:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 05:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 05:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 05:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 05:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 05:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 05:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 05:44	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 05:44	95-47-6	
4-Bromofluorobenzene (S)	95	%	87-109		1		04/23/09 05:44	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 05:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		04/23/09 05:44	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 05:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: SW-2R **Lab ID: 9242198004** Collected: 04/14/09 13:33 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:25	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:25	7440-38-2	
Barium	**50.8**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:25	7440-39-3	
Beryllium	**0.14J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:25	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:25	7440-43-9	
Chromium	**0.45J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:25	7440-47-3	
Cobalt	**3.4J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:25	7440-48-4	
Copper	**0.41J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:25	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:25	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:25	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:25	7782-49-2	
Silver	**0.18J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:25	7440-22-4	
Vanadium	**2.4J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:25	7440-62-2	
Zinc	**7.0J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:25	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 17:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/21/09 14:30	04/22/09 13:30	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 06:08	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 06:08	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 06:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 06:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 06:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 06:08	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 06:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 06:08	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 06:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 06:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 06:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 06:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 06:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 06:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 06:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 06:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 06:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 06:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 06:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 06:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 06:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 06:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 06:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 06:08	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: SW-2R **Lab ID: 9242198004** Collected: 04/14/09 13:33 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 06:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 06:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 06:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 06:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 06:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 06:08	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 06:08	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 06:08	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 06:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 06:08	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 06:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 06:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 06:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 06:08	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 06:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 06:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 06:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 06:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 06:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 06:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 06:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 06:08	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 06:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 06:08	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 06:08	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		04/23/09 06:08	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 06:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		04/23/09 06:08	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/23/09 06:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-4 **Lab ID: 9242198005** Collected: 04/14/09 14:45 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:28	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:28	7440-38-2	
Barium	**125**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:28	7440-39-3	
Beryllium	**0.12J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:28	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:28	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:28	7440-47-3	
Cobalt	**1.4J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:28	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:28	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:28	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:28	7782-49-2	
Silver	**0.24J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:28	7440-22-4	
Vanadium	**4.5J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:28	7440-62-2	
Zinc	**0.42J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:28	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 17:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/21/09 14:30	04/22/09 13:33	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 06:32	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 06:32	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 06:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 06:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 06:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 06:32	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 06:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 06:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 06:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 06:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 06:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 06:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 06:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 06:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 06:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 06:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 06:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 06:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 06:32	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 06:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 06:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 06:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 06:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 06:32	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-4 **Lab ID: 9242198005** Collected: 04/14/09 14:45 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 06:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 06:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 06:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 06:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 06:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 06:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 06:32	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 06:32	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 06:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 06:32	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 06:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 06:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 06:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 06:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 06:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 06:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 06:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 06:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 06:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 06:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 06:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 06:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 06:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 06:32	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 06:32	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		04/23/09 06:32	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		04/23/09 06:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		04/23/09 06:32	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 06:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: SW-1 **Lab ID: 9242198006** Collected: 04/15/09 13:59 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:31	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:31	7440-38-2	
Barium	**52.9**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:31	7440-39-3	
Beryllium	**0.18J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:31	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:31	7440-43-9	
Chromium	**0.78J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:31	7440-47-3	
Cobalt	**2.8J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:31	7440-48-4	
Copper	**0.54J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:31	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:31	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:31	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:31	7782-49-2	
Silver	**0.14J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:31	7440-22-4	
Vanadium	**1.9J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:31	7440-62-2	
Zinc	**2.9J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:31	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 17:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/21/09 14:30	04/22/09 13:35	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 06:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 06:55	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 06:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 06:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 06:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 06:55	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 06:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 06:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 06:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 06:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 06:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 06:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 06:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 06:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 06:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 06:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 06:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 06:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 06:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 06:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 06:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 06:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 06:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 06:55	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: SW-1 **Lab ID: 9242198006** Collected: 04/15/09 13:59 Received: 04/15/09 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 06:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 06:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 06:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 06:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 06:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 06:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 06:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 06:55	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 06:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 06:55	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 06:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 06:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 06:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 06:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 06:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 06:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 06:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 06:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 06:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 06:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 06:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 06:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 06:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 06:55	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 06:55	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		04/23/09 06:55	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/23/09 06:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		04/23/09 06:55	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 06:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-9 **Lab ID: 9242198007** Collected: 04/16/09 09:35 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:38	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:38	7440-38-2	
Barium	**143**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:38	7440-39-3	
Beryllium	**0.11J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:38	7440-41-7	
Cadmium	**0.80J**	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:38	7440-43-9	
Chromium	**0.43J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:38	7440-47-3	
Cobalt	**4.0J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:38	7440-48-4	
Copper	**5.0**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:38	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:38	7439-92-1	
Nickel	**2.1J**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:38	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:38	7782-49-2	
Silver	**0.31J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:38	7440-22-4	
Vanadium	**3.7J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:38	7440-62-2	
Zinc	**8.2J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:38	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/24/09 15:40	04/28/09 12:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/09 11:30	04/23/09 16:00	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 07:43	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 07:43	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 07:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 07:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 07:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 07:43	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 07:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 07:43	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 07:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 07:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 07:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 07:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 07:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 07:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 07:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 07:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 07:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 07:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 07:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 07:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 07:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 07:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 07:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 07:43	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-9 **Lab ID: 9242198007** Collected: 04/16/09 09:35 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 07:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 07:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 07:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 07:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 07:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 07:43	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 07:43	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 07:43	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 07:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 07:43	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 07:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 07:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 07:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 07:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 07:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 07:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 07:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 07:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 07:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 07:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 07:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 07:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 07:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 07:43	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 07:43	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		04/23/09 07:43	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 07:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		04/23/09 07:43	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/23/09 07:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-7R **Lab ID: 9242198008** Collected: 04/16/09 10:50 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:41	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:41	7440-38-2	
Barium	**140**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:41	7440-39-3	
Beryllium	**0.31J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:41	7440-41-7	
Cadmium	**0.88J**	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:41	7440-43-9	
Chromium	**4.7J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:41	7440-47-3	
Cobalt	**4.4J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:41	7440-48-4	
Copper	**1.2J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:41	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:41	7439-92-1	
Nickel	**2.4J**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:41	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:41	7782-49-2	
Silver	**0.22J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:41	7440-22-4	
Vanadium	**6.3**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:41	7440-62-2	
Zinc	**9.6J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:41	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/24/09 15:40	04/28/09 12:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/09 11:30	04/23/09 16:03	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 08:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 08:06	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 08:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 08:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 08:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 08:06	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 08:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 08:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 08:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 08:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 08:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 08:06	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 08:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 08:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 08:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 08:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 08:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 08:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 08:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 08:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 08:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 08:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 08:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 08:06	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-7R **Lab ID: 9242198008** Collected: 04/16/09 10:50 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 08:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 08:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 08:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 08:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 08:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 08:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 08:06	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 08:06	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 08:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 08:06	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 08:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 08:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 08:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 08:06	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 08:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 08:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 08:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 08:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 08:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 08:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 08:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 08:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 08:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 08:06	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 08:06	95-47-6	
4-Bromofluorobenzene (S)	95	%	87-109		1		04/23/09 08:06	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		04/23/09 08:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		04/23/09 08:06	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 08:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-2 **Lab ID: 9242198009** Collected: 04/16/09 12:33 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 15:38	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 15:38	7440-38-2	
Barium	**110**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 15:38	7440-39-3	
Beryllium	**0.15J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 15:38	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 15:38	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 15:38	7440-47-3	
Cobalt	**2.0J**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 15:38	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 15:38	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 15:38	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 15:38	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 15:38	7782-49-2	
Silver	**0.14J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 15:38	7440-22-4	
Vanadium	**0.37J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 15:38	7440-62-2	
Zinc	**1.0J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 15:38	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/24/09 15:40	04/28/09 12:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/09 11:30	04/23/09 16:05	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**2.3J**	ug/L	25.0	2.2	1		04/23/09 08:30	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 08:30	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 08:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 08:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 08:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 08:30	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 08:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 08:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 08:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 08:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 08:30	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 08:30	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 08:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 08:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 08:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 08:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 08:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 08:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 08:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 08:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 08:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 08:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 08:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 08:30	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-2 **Lab ID: 9242198009** Collected: 04/16/09 12:33 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 08:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 08:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 08:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 08:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 08:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 08:30	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 08:30	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 08:30	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 08:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 08:30	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 08:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 08:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 08:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 08:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 08:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 08:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 08:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 08:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 08:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 08:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 08:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 08:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 08:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 08:30	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 08:30	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		04/23/09 08:30	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		04/23/09 08:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		04/23/09 08:30	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 08:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-3 **Lab ID: 9242198010** Collected: 04/16/09 14:19 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 15:41	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 15:41	7440-38-2	
Barium	**214**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 15:41	7440-39-3	
Beryllium	**0.19J**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 15:41	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 15:41	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 15:41	7440-47-3	
Cobalt	**88.9**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 15:41	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 15:41	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 15:41	7439-92-1	
Nickel	**3.7J**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 15:41	7440-02-0	
Selenium	**4.5J**	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 15:41	7782-49-2	
Silver	**0.37J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 15:41	7440-22-4	
Vanadium	**0.47J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 15:41	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 15:41	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/24/09 15:40	04/28/09 12:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/09 11:30	04/23/09 16:08	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 08:54	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 08:54	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 08:54	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 08:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 08:54	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 08:54	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 08:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 08:54	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 08:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 08:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 08:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 08:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 08:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 08:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 08:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 08:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 08:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 08:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 08:54	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 08:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 08:54	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 08:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 08:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 08:54	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-3 **Lab ID: 9242198010** Collected: 04/16/09 14:19 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 08:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 08:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 08:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 08:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 08:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 08:54	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 08:54	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 08:54	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 08:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 08:54	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 08:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 08:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 08:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 08:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 08:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 08:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 08:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 08:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 08:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 08:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 08:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 08:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 08:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 08:54	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 08:54	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		04/23/09 08:54	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		04/23/09 08:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		04/23/09 08:54	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 08:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-6R **Lab ID: 9242198011** Collected: 04/16/09 15:27 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:48	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:48	7440-38-2	
Barium	**137**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:48	7440-39-3	
Beryllium	**1.1**	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:48	7440-41-7	
Cadmium	**0.55J**	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:48	7440-43-9	
Chromium	**4.6J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:48	7440-47-3	
Cobalt	**13.6**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:48	7440-48-4	
Copper	**3.5J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:48	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:48	7439-92-1	
Nickel	**14.4**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:48	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:48	7782-49-2	
Silver	**0.71J**	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:48	7440-22-4	
Vanadium	**16.2**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:48	7440-62-2	
Zinc	**39.4**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:48	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/24/09 15:40	04/28/09 12:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/09 11:30	04/23/09 16:15	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/09 09:17	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 09:17	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 09:17	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 09:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 09:17	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 09:17	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 09:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 09:17	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 09:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 09:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 09:17	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 09:17	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 09:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 09:17	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 09:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 09:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 09:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 09:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 09:17	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 09:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 09:17	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 09:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 09:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 09:17	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: MW-6R **Lab ID: 9242198011** Collected: 04/16/09 15:27 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 09:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 09:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 09:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 09:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 09:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 09:17	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 09:17	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 09:17	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 09:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 09:17	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 09:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 09:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 09:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 09:17	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 09:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 09:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 09:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 09:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 09:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 09:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 09:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 09:17	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 09:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 09:17	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 09:17	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		04/23/09 09:17	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 09:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		04/23/09 09:17	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 09:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: TRIP BLANK **Lab ID: 9242198012** Collected: 04/16/09 00:00 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
	Analytical Method: EPA 8260								
Acetone	**2.8J**	ug/L	25.0	2.2	1		04/23/09 02:35	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 02:35	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 02:35	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 02:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 02:35	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 02:35	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 02:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 02:35	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 02:35	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 02:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 02:35	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 02:35	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 02:35	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 02:35	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 02:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 02:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 02:35	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 02:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 02:35	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 02:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 02:35	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 02:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 02:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 02:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 02:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 02:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 02:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 02:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 02:35	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 02:35	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 02:35	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 02:35	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 02:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 02:35	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 02:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 02:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 02:35	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 02:35	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 02:35	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 02:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 02:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 02:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 02:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 02:35	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 02:35	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 02:35	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

Sample: TRIP BLANK **Lab ID: 9242198012** Collected: 04/16/09 00:00 Received: 04/16/09 16:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: EPA 8260									
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 02:35	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 02:35	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 02:35	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		04/23/09 02:35	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		04/23/09 02:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		04/23/09 02:35	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/09 02:35	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: MSV/6754 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006, 9242198007, 9242198008, 9242198009, 9242198010, 9242198011, 9242198012

METHOD BLANK: 266840 Matrix: Water
Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006, 9242198007, 9242198008, 9242198009, 9242198010, 9242198011, 9242198012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1-Dichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1-Dichloroethene	ug/L	ND	1.0	04/23/09 01:24	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/23/09 01:24	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dichloropropane	ug/L	ND	1.0	04/23/09 01:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/23/09 01:24	
2-Butanone (MEK)	ug/L	ND	5.0	04/23/09 01:24	
2-Hexanone	ug/L	ND	5.0	04/23/09 01:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/23/09 01:24	
Acetone	ug/L	ND	25.0	04/23/09 01:24	
Acrylonitrile	ug/L	ND	10.0	04/23/09 01:24	
Benzene	ug/L	ND	1.0	04/23/09 01:24	
Bromochloromethane	ug/L	ND	1.0	04/23/09 01:24	
Bromodichloromethane	ug/L	ND	1.0	04/23/09 01:24	
Bromoform	ug/L	ND	1.0	04/23/09 01:24	
Bromomethane	ug/L	ND	5.0	04/23/09 01:24	
Carbon disulfide	ug/L	ND	2.0	04/23/09 01:24	
Carbon tetrachloride	ug/L	ND	1.0	04/23/09 01:24	
Chlorobenzene	ug/L	ND	1.0	04/23/09 01:24	
Chloroethane	ug/L	ND	1.0	04/23/09 01:24	
Chloroform	ug/L	0.21J	1.0	04/23/09 01:24	
Chloromethane	ug/L	ND	1.0	04/23/09 01:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/23/09 01:24	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/23/09 01:24	
Dibromochloromethane	ug/L	ND	1.0	04/23/09 01:24	
Dibromomethane	ug/L	ND	1.0	04/23/09 01:24	
Ethylbenzene	ug/L	ND	1.0	04/23/09 01:24	
Iodomethane	ug/L	ND	5.0	04/23/09 01:24	
m&p-Xylene	ug/L	ND	2.0	04/23/09 01:24	
Methylene Chloride	ug/L	ND	2.0	04/23/09 01:24	
o-Xylene	ug/L	ND	1.0	04/23/09 01:24	
Styrene	ug/L	ND	1.0	04/23/09 01:24	
Tetrachloroethene	ug/L	ND	1.0	04/23/09 01:24	
Toluene	ug/L	ND	1.0	04/23/09 01:24	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

METHOD BLANK: 266840 Matrix: Water

Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006, 9242198007, 9242198008, 9242198009, 9242198010, 9242198011, 9242198012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/23/09 01:24	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/23/09 01:24	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/23/09 01:24	
Trichloroethene	ug/L	ND	1.0	04/23/09 01:24	
Trichlorofluoromethane	ug/L	ND	1.0	04/23/09 01:24	
Vinyl acetate	ug/L	ND	2.0	04/23/09 01:24	
Vinyl chloride	ug/L	ND	1.0	04/23/09 01:24	
Xylene (Total)	ug/L	ND	2.0	04/23/09 01:24	
1,2-Dichloroethane-d4 (S)	%	105	79-120	04/23/09 01:24	
4-Bromofluorobenzene (S)	%	97	87-109	04/23/09 01:24	
Dibromofluoromethane (S)	%	103	85-115	04/23/09 01:24	
Toluene-d8 (S)	%	99	70-120	04/23/09 01:24	

LABORATORY CONTROL SAMPLE: 266841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.5	99	83-125	
1,1,1-Trichloroethane	ug/L	50	52.1	104	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.9	94	73-127	
1,1,2-Trichloroethane	ug/L	50	50.1	100	77-123	
1,1-Dichloroethane	ug/L	50	52.5	105	76-129	
1,1-Dichloroethene	ug/L	50	50.7	101	78-146	
1,2,3-Trichloropropane	ug/L	50	49.7	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	81-125	
1,2-Dichlorobenzene	ug/L	50	48.6	97	82-126	
1,2-Dichloroethane	ug/L	50	51.3	103	72-126	
1,2-Dichloropropane	ug/L	50	48.4	97	80-127	
1,4-Dichlorobenzene	ug/L	50	46.9	94	79-125	
2-Butanone (MEK)	ug/L	100	103	103	50-134	
2-Hexanone	ug/L	100	102	102	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-131	
Acetone	ug/L	100	92.5	92	50-146	
Acrylonitrile	ug/L	250	252	101	66-124	
Benzene	ug/L	50	49.1	98	78-128	
Bromochloromethane	ug/L	50	46.2	92	73-124	
Bromodichloromethane	ug/L	50	48.8	98	81-125	
Bromoform	ug/L	50	43.2	86	71-125	
Bromomethane	ug/L	50	48.9	98	50-150	
Carbon disulfide	ug/L	50	47.9	96	54-150	
Carbon tetrachloride	ug/L	50	52.3	105	81-137	
Chlorobenzene	ug/L	50	48.4	97	82-126	
Chloroethane	ug/L	50	50.4	101	69-140	
Chloroform	ug/L	50	49.2	98	77-129	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

LABORATORY CONTROL SAMPLE: 266841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	52.3	105	54-139	
cis-1,2-Dichloroethene	ug/L	50	49.9	100	76-133	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	76-127	
Dibromochloromethane	ug/L	50	49.7	99	77-125	
Dibromomethane	ug/L	50	47.2	94	77-125	
Ethylbenzene	ug/L	50	49.8	100	80-127	
Iodomethane	ug/L	100	100	100	65-172	
m&p-Xylene	ug/L	100	102	102	82-127	
Methylene Chloride	ug/L	50	49.7	99	67-133	
o-Xylene	ug/L	50	48.7	97	83-124	
Styrene	ug/L	50	51.7	103	80-130	
Tetrachloroethene	ug/L	50	49.7	99	78-128	
Toluene	ug/L	50	48.5	97	76-126	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	78-134	
trans-1,3-Dichloropropene	ug/L	50	46.4	93	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	48.3	97	51-140	
Trichloroethene	ug/L	50	51.0	102	79-127	
Trichlorofluoromethane	ug/L	50	54.3	109	76-148	
Vinyl acetate	ug/L	100	100	100	50-150	
Vinyl chloride	ug/L	50	56.3	113	67-143	
Xylene (Total)	ug/L	150	150	100	83-125	
1,2-Dichloroethane-d4 (S)	%			107	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 266842 266843

Parameter	Units	9242162001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	57.1	59.8	114	120	60-150	5	30	
Benzene	ug/L	ND	50	50	56.9	60.3	114	121	74-136	6	30	
Chlorobenzene	ug/L	ND	50	50	54.5	58.3	109	117	79-135	7	30	
Toluene	ug/L	ND	50	50	55.7	58.9	111	118	73-131	5	30	
Trichloroethene	ug/L	ND	50	50	57.6	60.6	115	121	73-131	5	30	
1,2-Dichloroethane-d4 (S)	%						104	107	79-120			
4-Bromofluorobenzene (S)	%						97	96	87-109			
Dibromofluoromethane (S)	%						102	102	85-115			
Toluene-d8 (S)	%						98	99	70-120			

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: ICPM/15396 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006

METHOD BLANK: 608615 Matrix: Water
Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.50	04/27/09 15:48	

LABORATORY CONTROL SAMPLE: 608616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	77.7	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608617 608618

Parameter	Units	1093134001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	ND	80	80	75.7	75.2	95	94	70-130	.7	20	

MATRIX SPIKE SAMPLE: 608619

Parameter	Units	9242198001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	95.8	120	70-130	

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(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: MPRP/4193 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006, 9242198007, 9242198008, 9242198009, 9242198010, 9242198011

METHOD BLANK: 267931 — Matrix: Water
Associated Lab Samples: 9242198001, 9242198002, 9242198003, 9242198004, 9242198005, 9242198006, 9242198007, 9242198008, 9242198009, 9242198010, 9242198011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	04/28/09 14:18	
Arsenic	ug/L	ND	5.0	04/28/09 14:18	
Barium	ug/L	ND	5.0	04/28/09 14:18	
Beryllium	ug/L	0.24J	1.0	04/28/09 14:18	
Cadmium	ug/L	ND	1.0	04/28/09 14:18	
Chromium	ug/L	ND	5.0	04/28/09 14:18	
Cobalt	ug/L	3.5J	5.0	04/28/09 14:18	
Copper	ug/L	ND	5.0	04/28/09 14:18	
Lead	ug/L	ND	5.0	04/28/09 14:18	
Nickel	ug/L	ND	5.0	04/28/09 14:18	
Selenium	ug/L	ND	10.0	04/28/09 14:18	
Silver	ug/L	0.16J	5.0	04/28/09 14:18	
Vanadium	ug/L	0.20J	5.0	04/28/09 14:18	
Zinc	ug/L	1.3J	10.0	04/28/09 14:18	

LABORATORY CONTROL SAMPLE: 267932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	477	95	80-120	
Arsenic	ug/L	500	465	93	80-120	
Barium	ug/L	500	477	95	80-120	
Beryllium	ug/L	500	477	95	80-120	
Cadmium	ug/L	500	469	94	80-120	
Chromium	ug/L	500	478	96	80-120	
Cobalt	ug/L	500	478	96	80-120	
Copper	ug/L	500	471	94	80-120	
Lead	ug/L	500	474	95	80-120	
Nickel	ug/L	500	474	95	80-120	
Selenium	ug/L	500	465	93	80-120	
Silver	ug/L	250	235	94	80-120	
Vanadium	ug/L	500	473	95	80-120	
Zinc	ug/L	500	474	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 268223 — 268224

Parameter	Units	9242382001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	473	480	95	96	75-125	1	25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 268223 268224

Parameter	Units	9242382001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	465	472	93	94	75-125	1	25	
Barium	ug/L	92.7J	500	500	557	563	93	94	75-125	1	25	
Beryllium	ug/L	0.41J	500	500	470	479	94	96	75-125	2	25	
Cadmium	ug/L	0.50J	500	500	460	468	92	94	75-125	2	25	
Chromium	ug/L	ND	500	500	470	481	94	96	75-125	2	25	
Cobalt	ug/L	15.8	500	500	478	485	92	94	75-125	1	25	
Copper	ug/L	0.89J	500	500	476	483	95	96	75-125	1	25	
Lead	ug/L	ND	500	500	467	475	93	95	75-125	2	25	
Nickel	ug/L	ND	500	500	468	477	93	95	75-125	2	25	
Selenium	ug/L	ND	500	500	466	470	93	94	75-125	.9	25	
Silver	ug/L	0.38J	250	250	231	236	92	94	75-125	2	25	
Vanadium	ug/L	0.91J	500	500	469	479	94	96	75-125	2	25	
Zinc	ug/L	44.8	500	500	508	519	93	95	75-125	2	25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: MERP/2087 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9242198007, 9242198008, 9242198009, 9242198010, 9242198011

METHOD BLANK: 266653 Matrix: Water
Associated Lab Samples: 9242198007, 9242198008, 9242198009, 9242198010, 9242198011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/23/09 15:18	

LABORATORY CONTROL SAMPLE: 266654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 266655 266656

Parameter	Units	9242464017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.6	101	102	75-125	1	25	

SAMPLE DUPLICATE: 266657

Parameter	Units	9242464018 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: MERP/2078 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9242198001, 9242198002, 9242198003

METHOD BLANK: 264748 Matrix: Water
Associated Lab Samples: 9242198001, 9242198002, 9242198003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/21/09 13:36	

LABORATORY CONTROL SAMPLE: 264749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.8	114	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 264750 264751

Parameter	Units	9241996002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.8	2.9	108	113	75-125	4	25	

SAMPLE DUPLICATE: 264752

Parameter	Units	9242218001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: ICPM/15404 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 9242198007, 9242198008, 9242198009, 9242198010, 9242198011

METHOD BLANK: 609142 Matrix: Water
Associated Lab Samples: 9242198007, 9242198008, 9242198009, 9242198010, 9242198011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.50	04/28/09 12:32	

LABORATORY CONTROL SAMPLE: 609143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	79.0	99	85-115	

MATRIX SPIKE SAMPLE: 609145

Parameter	Units	1093244003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	<0.00025	80	77.8	97	70-130	

MATRIX SPIKE SAMPLE: 611772

Parameter	Units	1093253002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	73.1	91	70-130	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

QC Batch: MERP/2083 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9242198004, 9242198005, 9242198006

METHOD BLANK: 266031 Matrix: Water
Associated Lab Samples: 9242198004, 9242198005, 9242198006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/22/09 12:41	

LABORATORY CONTROL SAMPLE: 266032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 266033 266034

Parameter	Units	9242346001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	2.7	2.5	2.5	4.6	4.8	74	82	75-125	4	25	M0

SAMPLE DUPLICATE: 266035

Parameter	Units	9242413001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALIFIERS

Project: Madison Co.-Operating LF
Pace Project No.: 9242198

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1305161

Section A Required Client Information:

Company: Altamont Environmental
Address: 50 College St
Asheville, NC 28801
Email To: jlenk@altamontenvironmental.com
Phone: 828-281-3351 Fax: 828-281-3351
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Joel Lenk
Copy To:
Purchase Order No.:
Project Name: Madison County - Operating LF
Project Number: 2313.1202

Section C Invoice Information:

Attention: Judith Robertson
Company Name: Altamont Environmental
Address: same
Pace Quote Reference:
Pace Project Manager: Lorn Patton
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Appendix I VOCs (8260)	Appendix I metals	Thallium	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9242198
1	MW-8	WT	G			4/14/09	9:20	13	4			1	3						X	X	X		-001
2	MW-5	WT	G			4/14/09	11:21	14	4			1	3						X	X	X		-002
3	MW-1	WT	G			4/14/09	12:56	11	4			1	3						X	X	X		-003
4	SW-2R	WT	G			4/14/09	13:33	14	4			1	3						X	X	X		-004
5	MW-4	WT	G			4/14/09	14:45	15	4			1	3						X	X	X		-005
6	SW-1	WT	G			4/15/09	13:59	11	4			1	3						X	X	X		-006
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- VOCs by 8260 low level	Katie Massie	4/15/09	14:58	[signature]	4/15/09	14:58	3.3	Y	N	Y
- include PQLs, qualifiers										
- thallium										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Katie Massie

SIGNATURE of SAMPLER: Katie Massie

DATE Signed (MM/DD/YY): 04/15/09

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of 1001320

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Altamont Environmental	Report To: Joel Lenk	Attention: Judith Robertson
Address: 50 College St.	Copy To:	Company Name: Altamont
Asheville, NC 28801		Address: same
Email To: jlenk@altamontenvironmental.com	Purchase Order No.:	Pace Quote Reference:
Phone: 828-281-3350 Fax: 828-281-3351	Project Name: Madison Co - Operating LF	Pace Project Manager: Lorn Patton
Requested Due Date/TAT:	Project Number: 2313.1202	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION

☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☒ NC
☐ OH ☐ SC ☐ WI ☐ OTHER _____

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: App I VOCs by 8260	App I metals	Thallium	Residual Chlorine (Y/N)	Pace Project Number 242198 Lab I.D
1	MW-9	WT	G			4/16/09	9:35	12	4			1	3						X	X	X		-007
2	MW-7R	WT	G			4/16/09	10:50	14	4			1	3						X	X	X		-008
3	MW-2	WT	G			4/16/09	12:33	12	4			1	3						X	X	X		-009
4	MW-3	WT	G			4/16/09	14:19	16	4			1	3						X	X	X		-010
5	MW-6R	WT	G			4/16/09	15:27	14	4			1	3						X	X	X		-011
6	TRIP BLANK	WT							2				2						X				-012
7																							
8																							
9																							
10																							
11																							
12																							

Preservatives

Additional Comments:

*VOCs by 8260 low level

*please include MDL, PQL, + qualifiers on report

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Katie Massie	4/16/09	16:28	[signature]	4/16/09	16:28	1.3

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Katie Massie

SIGNATURE of SAMPLER: Katie Massie

DATE Signed (MM / DD / YY) 04/16/09

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31Mar05

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April 30, 2009

Mr. Joel Lenk
Altamont Environmental
50 College Street
Asheville, NC 28801

RE: Project: Madison Co.-Operating LF
Pace Project No.: 9242202

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 15, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

Minnesota Certification IDs

Pennsylvania Certification #: 68-00563
Alaska Certification #: UST-078
Washington Certification #: C754
Wisconsin Certification #: 999407970
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Maine Certification #: 2007029
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Tennessee Certification #: 02818

Charlotte Certification IDs

South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357
South Carolina Certification #: 990060001
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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SAMPLE SUMMARY

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9242202001	**LP-1**	Water	04/15/09 13:15	04/15/09 14:48

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SAMPLE ANALYTE COUNT

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9242202001	**LP-1**	ASTM D516-90	JMW	1	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 353.2	JDA	1	PASI-A
		EPA 365.1	TEE	1	PASI-A
		EPA 6010	EWS	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 5210B	RAB	1	PASI-A
		SM 5220D	LEP	1	PASI-A

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

Sample: LP-1 **Lab ID: 9242202001** Collected: 04/15/09 13:15 Received: 04/15/09 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/09 14:35	04/28/09 17:35	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/09 14:35	04/28/09 17:35	7440-38-2	
Barium	**78.6**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:35	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/24/09 14:35	04/28/09 17:35	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/09 14:35	04/28/09 17:35	7440-43-9	
Chromium	**0.97J**	ug/L	5.0	0.40	1	04/24/09 14:35	04/28/09 17:35	7440-47-3	
Cobalt	**8.2**	ug/L	5.0	0.60	1	04/24/09 14:35	04/28/09 17:35	7440-48-4	
Copper	**1.2J**	ug/L	5.0	0.30	1	04/24/09 14:35	04/28/09 17:35	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/09 14:35	04/28/09 17:35	7439-92-1	
Nickel	**15.8**	ug/L	5.0	1.7	1	04/24/09 14:35	04/28/09 17:35	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/09 14:35	04/28/09 17:35	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/24/09 14:35	04/28/09 17:35	7440-22-4	
Vanadium	**1.5J**	ug/L	5.0	0.20	1	04/24/09 14:35	04/28/09 17:35	7440-62-2	
Zinc	**3.8J**	ug/L	10.0	0.40	1	04/24/09 14:35	04/28/09 17:35	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	04/23/09 13:27	04/27/09 16:49	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/21/09 14:30	04/22/09 13:38	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**8.5J**	ug/L	25.0	2.2	1		04/23/09 07:19	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/09 07:19	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/09 07:19	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/09 07:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/09 07:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/09 07:19	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/09 07:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/09 07:19	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/09 07:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/09 07:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/09 07:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/09 07:19	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/09 07:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/09 07:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/09 07:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/09 07:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/09 07:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/09 07:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/09 07:19	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/09 07:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/09 07:19	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/09 07:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/09 07:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/09 07:19	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

Sample: LP-1 **Lab ID: 9242202001** Collected: 04/15/09 13:15 Received: 04/15/09 14:48 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/09 07:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/09 07:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/09 07:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/09 07:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/09 07:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/09 07:19	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/09 07:19	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/09 07:19	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/09 07:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/09 07:19	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/09 07:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/09 07:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/09 07:19	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/09 07:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/09 07:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/09 07:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/09 07:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/09 07:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/09 07:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/09 07:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/09 07:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/09 07:19	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/09 07:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/09 07:19	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/09 07:19	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		04/23/09 07:19	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		04/23/09 07:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		04/23/09 07:19	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/23/09 07:19	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**18.0**	mg/L	2.0	2.0	1	04/16/09 15:06	04/21/09 11:30		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**3.6**	mg/L	0.10	0.10	1		04/17/09 09:40		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**0.21**	mg/L	0.10	0.10	1		04/21/09 16:23	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**243**	mg/L	25.0	25.0	1		04/27/09 11:41		
ASTM D516-90 Sulfate Water	Analytical Method: ASTM D516-90								
Sulfate	**10.2**	mg/L	5.0	5.0	1		04/16/09 10:27	14808-79-8	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: WETA/4901
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Phosphorus, Total
Associated Lab Samples: 9242202001

METHOD BLANK: 265940
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	04/21/09 16:16	

LABORATORY CONTROL SAMPLE: 265941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 265942

Parameter	Units	9242077005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	39.9	1	42.6	266	90-110	M0

MATRIX SPIKE SAMPLE: 265943

Parameter	Units	9242009004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.42	1	1.2	82	90-110	M0

SAMPLE DUPLICATE: 265944

Parameter	Units	9242037002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	1.7	1.7	.7	20	

SAMPLE DUPLICATE: 265945

Parameter	Units	9242043001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: MSV/6754
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9242202001

METHOD BLANK: 266840
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1-Dichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,1-Dichloroethene	ug/L	ND	1.0	04/23/09 01:24	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/23/09 01:24	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dichloroethane	ug/L	ND	1.0	04/23/09 01:24	
1,2-Dichloropropane	ug/L	ND	1.0	04/23/09 01:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/23/09 01:24	
2-Butanone (MEK)	ug/L	ND	5.0	04/23/09 01:24	
2-Hexanone	ug/L	ND	5.0	04/23/09 01:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/23/09 01:24	
Acetone	ug/L	ND	25.0	04/23/09 01:24	
Acrylonitrile	ug/L	ND	10.0	04/23/09 01:24	
Benzene	ug/L	ND	1.0	04/23/09 01:24	
Bromochloromethane	ug/L	ND	1.0	04/23/09 01:24	
Bromodichloromethane	ug/L	ND	1.0	04/23/09 01:24	
Bromoform	ug/L	ND	1.0	04/23/09 01:24	
Bromomethane	ug/L	ND	5.0	04/23/09 01:24	
Carbon disulfide	ug/L	ND	2.0	04/23/09 01:24	
Carbon tetrachloride	ug/L	ND	1.0	04/23/09 01:24	
Chlorobenzene	ug/L	ND	1.0	04/23/09 01:24	
Chloroethane	ug/L	ND	1.0	04/23/09 01:24	
Chloroform	ug/L	0.21J	1.0	04/23/09 01:24	
Chloromethane	ug/L	ND	1.0	04/23/09 01:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/23/09 01:24	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/23/09 01:24	
Dibromochloromethane	ug/L	ND	1.0	04/23/09 01:24	
Dibromomethane	ug/L	ND	1.0	04/23/09 01:24	
Ethylbenzene	ug/L	ND	1.0	04/23/09 01:24	
Iodomethane	ug/L	ND	5.0	04/23/09 01:24	
m&p-Xylene	ug/L	ND	2.0	04/23/09 01:24	
Methylene Chloride	ug/L	ND	2.0	04/23/09 01:24	
o-Xylene	ug/L	ND	1.0	04/23/09 01:24	
Styrene	ug/L	ND	1.0	04/23/09 01:24	
Tetrachloroethene	ug/L	ND	1.0	04/23/09 01:24	
Toluene	ug/L	ND	1.0	04/23/09 01:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/23/09 01:24	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/23/09 01:24	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

METHOD BLANK: 266840 Matrix: Water

Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/23/09 01:24	
Trichloroethene	ug/L	ND	1.0	04/23/09 01:24	
Trichlorofluoromethane	ug/L	ND	1.0	04/23/09 01:24	
Vinyl acetate	ug/L	ND	2.0	04/23/09 01:24	
Vinyl chloride	ug/L	ND	1.0	04/23/09 01:24	
Xylene (Total)	ug/L	ND	2.0	04/23/09 01:24	
1,2-Dichloroethane-d4 (S)	%	105	79-120	04/23/09 01:24	
4-Bromofluorobenzene (S)	%	97	87-109	04/23/09 01:24	
Dibromofluoromethane (S)	%	103	85-115	04/23/09 01:24	
Toluene-d8 (S)	%	99	70-120	04/23/09 01:24	

LABORATORY CONTROL SAMPLE: 266841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.5	99	83-125	
1,1,1-Trichloroethane	ug/L	50	52.1	104	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.9	94	73-127	
1,1,2-Trichloroethane	ug/L	50	50.1	100	77-123	
1,1-Dichloroethane	ug/L	50	52.5	105	76-129	
1,1-Dichloroethene	ug/L	50	50.7	101	78-146	
1,2,3-Trichloropropane	ug/L	50	49.7	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	81-125	
1,2-Dichlorobenzene	ug/L	50	48.6	97	82-126	
1,2-Dichloroethane	ug/L	50	51.3	103	72-126	
1,2-Dichloropropane	ug/L	50	48.4	97	80-127	
1,4-Dichlorobenzene	ug/L	50	46.9	94	79-125	
2-Butanone (MEK)	ug/L	100	103	103	50-134	
2-Hexanone	ug/L	100	102	102	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-131	
Acetone	ug/L	100	92.5	92	50-146	
Acrylonitrile	ug/L	250	252	101	66-124	
Benzene	ug/L	50	49.1	98	78-128	
Bromochloromethane	ug/L	50	46.2	92	73-124	
Bromodichloromethane	ug/L	50	48.8	98	81-125	
Bromoform	ug/L	50	43.2	86	71-125	
Bromomethane	ug/L	50	48.9	98	50-150	
Carbon disulfide	ug/L	50	47.9	96	54-150	
Carbon tetrachloride	ug/L	50	52.3	105	81-137	
Chlorobenzene	ug/L	50	48.4	97	82-126	
Chloroethane	ug/L	50	50.4	101	69-140	
Chloroform	ug/L	50	49.2	98	77-129	
Chloromethane	ug/L	50	52.3	105	54-139	
cis-1,2-Dichloroethene	ug/L	50	49.9	100	76-133	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	76-127	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

LABORATORY CONTROL SAMPLE: 266841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	49.7	99	77-125	
Dibromomethane	ug/L	50	47.2	94	77-125	
Ethylbenzene	ug/L	50	49.8	100	80-127	
Iodomethane	ug/L	100	100	100	65-172	
m&p-Xylene	ug/L	100	102	102	82-127	
Methylene Chloride	ug/L	50	49.7	99	67-133	
o-Xylene	ug/L	50	48.7	97	83-124	
Styrene	ug/L	50	51.7	103	80-130	
Tetrachloroethene	ug/L	50	49.7	99	78-128	
Toluene	ug/L	50	48.5	97	76-126	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	78-134	
trans-1,3-Dichloropropene	ug/L	50	46.4	93	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	48.3	97	51-140	
Trichloroethene	ug/L	50	51.0	102	79-127	
Trichlorofluoromethane	ug/L	50	54.3	109	76-148	
Vinyl acetate	ug/L	100	100	100	50-150	
Vinyl chloride	ug/L	50	56.3	113	67-143	
Xylene (Total)	ug/L	150	150	100	83-125	
1,2-Dichloroethane-d4 (S)	%			107	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 266842 266843

Parameter	Units	9242162001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	57.1	59.8	114	120	60-150	5	30	
Benzene	ug/L	ND	50	50	56.9	60.3	114	121	74-136	6	30	
Chlorobenzene	ug/L	ND	50	50	54.5	58.3	109	117	79-135	7	30	
Toluene	ug/L	ND	50	50	55.7	58.9	111	118	73-131	5	30	
Trichloroethene	ug/L	ND	50	50	57.6	60.6	115	121	73-131	5	30	
1,2-Dichloroethane-d4 (S)	%						104	107	79-120			
4-Bromofluorobenzene (S)	%						97	96	87-109			
Dibromofluoromethane (S)	%						102	102	85-115			
Toluene-d8 (S)	%						98	99	70-120			

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(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: WET/7953
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 9242202001

METHOD BLANK: 264450
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	04/21/09 11:30	

LABORATORY CONTROL SAMPLE: 264451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	168	85	84-115	

SAMPLE DUPLICATE: 264481

Parameter	Units	9242193001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: ICPM/15396 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: 200.8 MET
Associated Lab Samples: 9242202001

METHOD BLANK: 608615 | Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.50	04/27/09 15:48	

LABORATORY CONTROL SAMPLE: 608616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	77.7	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608617 608618

Parameter	Units	1093134001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	ND	80	80	75.7	75.2	95	94	70-130	.7	20	

MATRIX SPIKE SAMPLE: 608619

Parameter	Units	9242198001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	95.8	120	70-130	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: MPRP/4193
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9242202001

METHOD BLANK: 267931
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	04/28/09 14:18	
Arsenic	ug/L	ND	5.0	04/28/09 14:18	
Barium	ug/L	ND	5.0	04/28/09 14:18	
Beryllium	ug/L	0.24J	1.0	04/28/09 14:18	
Cadmium	ug/L	ND	1.0	04/28/09 14:18	
Chromium	ug/L	ND	5.0	04/28/09 14:18	
Cobalt	ug/L	3.5J	5.0	04/28/09 14:18	
Copper	ug/L	ND	5.0	04/28/09 14:18	
Lead	ug/L	ND	5.0	04/28/09 14:18	
Nickel	ug/L	ND	5.0	04/28/09 14:18	
Selenium	ug/L	ND	10.0	04/28/09 14:18	
Silver	ug/L	0.16J	5.0	04/28/09 14:18	
Vanadium	ug/L	0.20J	5.0	04/28/09 14:18	
Zinc	ug/L	1.3J	10.0	04/28/09 14:18	

LABORATORY CONTROL SAMPLE: 267932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	477	95	80-120	
Arsenic	ug/L	500	465	93	80-120	
Barium	ug/L	500	477	95	80-120	
Beryllium	ug/L	500	477	95	80-120	
Cadmium	ug/L	500	469	94	80-120	
Chromium	ug/L	500	478	96	80-120	
Cobalt	ug/L	500	478	96	80-120	
Copper	ug/L	500	471	94	80-120	
Lead	ug/L	500	474	95	80-120	
Nickel	ug/L	500	474	95	80-120	
Selenium	ug/L	500	465	93	80-120	
Silver	ug/L	250	235	94	80-120	
Vanadium	ug/L	500	473	95	80-120	
Zinc	ug/L	500	474	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 268223 268224

Parameter	Units	9242382001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	473	480	95	96	75-125	1	25	
Arsenic	ug/L	ND	500	500	465	472	93	94	75-125	1	25	
Barium	ug/L	92.7J	500	500	557	563	93	94	75-125	1	25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 268223 268224

Parameter	Units	9242382001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Beryllium	ug/L	0.41J	500	500	470	479	94	96	75-125	2	25	
Cadmium	ug/L	0.50J	500	500	460	468	92	94	75-125	2	25	
Chromium	ug/L	ND	500	500	470	481	94	96	75-125	2	25	
Cobalt	ug/L	15.8	500	500	478	485	92	94	75-125	1	25	
Copper	ug/L	0.89J	500	500	476	483	95	96	75-125	1	25	
Lead	ug/L	ND	500	500	467	475	93	95	75-125	2	25	
Nickel	ug/L	ND	500	500	468	477	93	95	75-125	2	25	
Selenium	ug/L	ND	500	500	466	470	93	94	75-125	.9	25	
Silver	ug/L	0.38J	250	250	231	236	92	94	75-125	2	25	
Vanadium	ug/L	0.91J	500	500	469	479	94	96	75-125	2	25	
Zinc	ug/L	44.8	500	500	508	519	93	95	75-125	2	25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: WETA/4869
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9242202001

METHOD BLANK: 264726
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	04/17/09 09:17	

LABORATORY CONTROL SAMPLE: 264727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.2	105	90-110	

MATRIX SPIKE SAMPLE: 264728

Parameter	Units	9241994011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.4	5	6.4	100	90-110	

MATRIX SPIKE SAMPLE: 264730

Parameter	Units	9242237002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	8.5	5	13.9	107	90-110	

SAMPLE DUPLICATE: 264729

Parameter	Units	9242307004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.46	0.47	1	20	

SAMPLE DUPLICATE: 264731

Parameter	Units	9242341003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: WETA/4859
QC Batch Method: ASTM D516-90
Analysis Method: ASTM D516-90
Analysis Description: ASTM D516-90 Sulfate Water
Associated Lab Samples: 9242202001

METHOD BLANK: 264049
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	04/16/09 10:11	

LABORATORY CONTROL SAMPLE: 264050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.4	102	90-110	

MATRIX SPIKE SAMPLE: 264051

Parameter	Units	9241751009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	794	20	767	-136	75-125	M0

MATRIX SPIKE SAMPLE: 264052

Parameter	Units	9242118001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	18.5	20	38.1	98	75-125	

SAMPLE DUPLICATE: 264053

Parameter	Units	9242087001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 264054

Parameter	Units	9242087002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	66.0	70.0	6	20	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: MERP/2083
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9242202001

METHOD BLANK: 266031
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/22/09 12:41	

LABORATORY CONTROL SAMPLE: 266032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 266033 266034

Parameter	Units	9242346001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	2.7	2.5	2.5	4.6	4.8	74	82	75-125	4	25	M0

SAMPLE DUPLICATE: 266035

Parameter	Units	9242413001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

QC Batch: WETA/4931
QC Batch Method: SM 5220D
Analysis Method: SM 5220D
Analysis Description: 5220D COD
Associated Lab Samples: 9242202001

METHOD BLANK: 268804
Matrix: Water
Associated Lab Samples: 9242202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	04/27/09 11:41	

LABORATORY CONTROL SAMPLE: 268805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	706	94	90-110	

MATRIX SPIKE SAMPLE: 268806

Parameter	Units	9242736003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	750	728	95	75-125	

MATRIX SPIKE SAMPLE: 268821

Parameter	Units	9242202001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	243	750	966	96	75-125	

SAMPLE DUPLICATE: 268820

Parameter	Units	9242143001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	482	471	2	20	

SAMPLE DUPLICATE: 268822

Parameter	Units	9242078003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	558	546	2	20	

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QUALIFIERS

Project: Madison Co.-Operating LF
Pace Project No.: 9242202

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1305184

Section A Required Client Information:

Company: Altamont Environmental
Address: 50 College St
Asheville NC 28801
Email To: lenk@altamontenvironmental.com
Phone: 828-281-3350 Fax: 828-281-3351
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Joel Lenk
Copy To:
Purchase Order No.:
Project Name: Madison Co-Operating LF
Project Number: 2313.1202

Section C Invoice Information:

Attention: Judith Robertson
Company Name: Altamont
Address: same
Pace Quote Reference:
Pace Project Manager: Lori Patton
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Appendix I Metals	Appendix I VOCs	Thallium	BOD	COD	Sulfate	Nitrate	phosphate					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9242202
1	LP-1	WT	G			4/15/09	13:15	12	9	2	2	2	3						X	X	X	X	X	X	X	X						-001
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- VOCs by 8260 low level	Katie R Massie	4/15/09	14:45	[signature]	4/15/09	14:45	3.3	X	N	X
- include PQLs + qualifiers,										
- App I metals by 6010										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Katie Massie
SIGNATURE of SAMPLER: Katie Massie DATE Signed (MM/DD/YY): 04/15/09

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX C

5803-MW-06R LOCATION AND ELEVATION SURVEY DATA

Wes Cole Land Surveying, PA

North Carolina & Tennessee Professional Land Surveyors

To: Alec Macbeth, Altamont Environmental, Inc.

From: J. Wes Cole, PLS

Date: April 16, 2009

Re: Madison County Operating Solid Waste Facility Monitoring Well

---

Based on a field survey conducted on April 16, 2009 monitoring well **MW-6R** has the following coordinates and elevation:

Northing:	**769,161.28' NAD 83 (NSRS 2007)***
Easting:	**896,730.43' NAD 83 (NSRS 2007)***
TOC Elevation:	**1,942.19' (Bunnell-Lammons Engineering Datum)****

*The horizontal data is based on GPS observations on April 16, 2009 using the North Carolina Geodetic Survey RTK Network and a Trimble R8 dual frequency receiver; horizontal measurements performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the 1 cm accuracy classification (95% confidence).

**The vertical data is based on elevations obtained from Altamont Environmental, Inc. on MW-9 having a TOC Elevation of 1949.43' shown on Table 4 for Well Construction Details and Corresponding Elevations Madison County Operating Solid Waste Facility. Per Table 4, Note 7 "MW-9 elevations taken from boring log completed by Bunnell-Lammons Engineering, Inc. on October 13, 2006."

J. Wes Cole, PLS

(SEAL)

NORTH CAROLINA PROFESSIONAL SEAL L-4561 LAND SURVEYOR JOHN WESLEY COLE

4-16-09

204 Charlotte Highway, Suite F
Asheville, NC 28803
Phone/Fax: (828) 299-7020