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	October 8 and 9, 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.

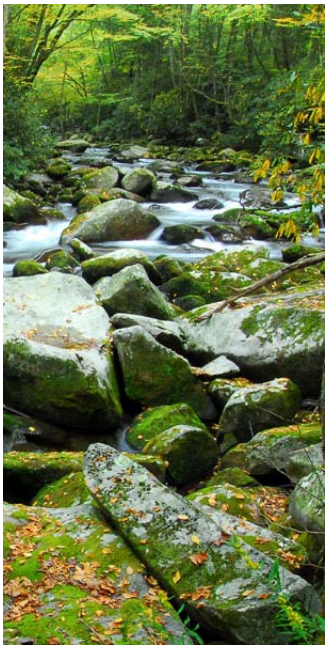
Joel D. Lenk — Facility Representative Name (Print)
P.G. — Title
(828) 281-3350 — (Area Code) Telephone Number

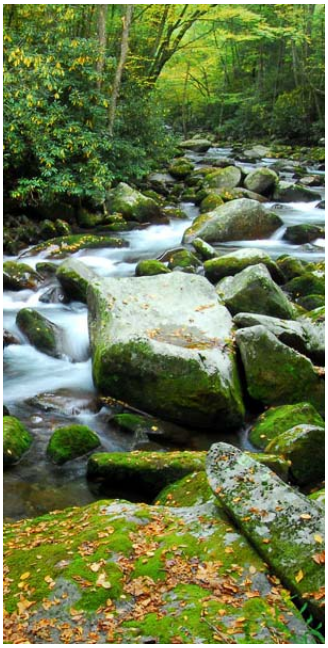
Signature
11/24/09 — Date

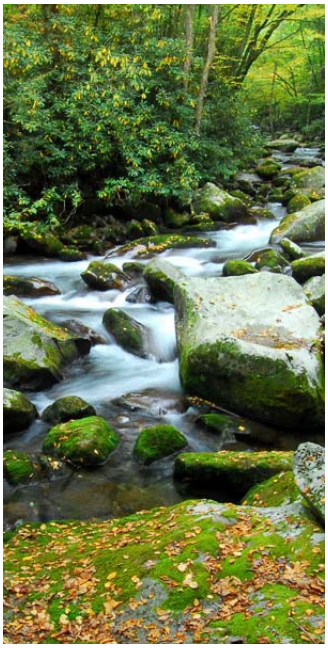
Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

Revised 01/2007







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

Fall 2009 Semiannual Water Quality Monitoring Report

Madison County Operating Solid Waste Facility

Madison County, North Carolina Permit #58-03

November 24, 2009

Prepared for
Madison County, North Carolina
November 20, 2009

Prepared by
Altamont Environmental, Inc.
231 Haywood Street
Asheville, NC 28801
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Fall 2009 Semiannual Water Quality Monitoring Report

Madison County Operating Solid Waste Facility

Madison County, North Carolina Permit #58-03

November 24, 2009

Joel Lenk
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 near 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 (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 second 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 October 8 and 9, 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 and continues to be 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 and recorded for each well. The monitoring wells were purged and sampled 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: 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 pH 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. Surface water 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 prior to sample collection (Table 2). Field parameters and additional observations pertaining to surface water the Operating Landfill are provided on sampling logs, which are included in Appendix A.

2.3 Leachate Sampling Methods

One aqueous sample was collected from the lined leachate basin (5803-LP-1). Since leachate was not flowing into the basin at the time of the sampling event, the sample was collected from the basin below the 36-inch diameter pipe that discharges leachate into the basin. One round of field parameters (as described previously) was measured and recorded for the sample (see Table 2). 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 Madison County Operating Solid Waste Facility sampling locations are provided on sampling logs, which are included as Appendix A. Following collection, each 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 collected from the tributary 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 transport 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. Laboratory analyses performed on the samples are summarized in Table 1.

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 summarized in Table 2, which is displayed in the Electronic Data Deliverable (EDD) 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, 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 (Tables 2 through 4). 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. The Practical Quantitation Limit (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. All detections were compared to analyte-specific Solid Waste Section Limits (SWSLs) established by the SWS. The SWSL is the lowest concentration, determined by the SWS, of an analyte in a sample that can be quantitatively determined with suitable precision and accuracy. If the reported concentration is greater than the laboratory MDL and less than the SWSL, the analytical result is qualified as estimated, and is flagged with a "*J*" qualifier (italicized J-flag). A "J" qualifier is used for parameters detected at estimated concentrations greater than the MDL but less than the laboratory's PQL. Detected concentrations of constituents below the applicable SWSLs are summarized in Table 2, but are not reported in the text of this report, unless they exceed their applicable North Carolina 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.0200 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 2 through 4. The laboratory reports are included in Appendix B.

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

The following metals were detected at concentrations above their associated SWSLs but below their applicable 2L Standards or GWPSs (Table 3):

- Barium (2L Standard: 2,000 µg/L): 5803-MW-02 (171 µg/L), 5803-MW-03 (216 µg/L), 5803-MW-04 (122 µg/L), 5803-MW-06R (200 µg/L), 5803-MW-07R (137 µg/L), and 5803-MW-09 (120 µg/L)
- Cobalt (GWPS: 70 µg/L): 5803-MW-02 (26.5 µg/L)

- Zinc (2L Standard: 1,050 µg/L): 5803-MW-02 (16.7 µg/L), 5803-MW-06R (29.3 µg/L) and 5803-MW-07R (13.5 µg/L)

The following metals were detected at concentrations above their respective 2L Standards or GWPSs (Table 4):

- Cobalt (GWPS: 70 µg/L): 5803-MW-03 (78.0 µg/L)
- Vanadium (GWPS: 3.5 µg/L): 5803-MW-04 (5.5 µg/L), 5803-MW-05 (4.2 µg/L), 5803-MW-06R (22.5 µg/L), 5803-MW-07R (7.5 µg/L), 5803-MW-08 (6.5 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 0.08 to 7.70 nephelometric turbidity units (NTUs), which are acceptable values for groundwater samples (Table 2). The groundwater samples from the two remaining monitoring wells showed the following turbidity values:

- 5803-MW-06R at 287.3 NTUs
- 5803-MW-07R at 86.63 NTUs

These are high turbidity values and indicate that the samples contained solid particles 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 samples 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 results.

3.1.1.2 Appendix I VOCs (EPA Method 8260)

No VOCs were detected in the groundwater samples at concentrations above their associated SWSLs or 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 2 through 4. The laboratory report is included in Appendix B.

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

Barium, cobalt and zinc were detected in the surface water sample collected from 5803-SW-01 location at concentrations above associated SWSLs. No metals were detected at concentrations that exceeded the applicable 2B Standards.

3.1.2.2 Appendix I VOCs (EPA Method 8260)

No VOCs were detected at concentrations that exceeded either the associated SWSLs or 2B Standards in either of the surface water samples.

3.1.3 Lined Leachate Basin

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

No metals were detected in the leachate sample (5803-LP-1) at concentrations exceeding their respective SWSLs.

3.1.3.2 Appendix I VOCs (EPA Method 8260)

No VOCs were detected in the leachate sample (5803-LP-1) at concentrations above either the MDL or SWSL.

3.1.3.3 Inorganics

In addition to analyzing for Appendix I metals and Appendix I VOCs, the lined leachate basin sample (5803-LP-1) was also analyzed for BOD, COD, nitrate, phosphorus, and sulfate. The analytical results (Table 2) for these additional parameters are as follows:

- BOD at 37.6 milligrams per liter (mg/L)
- COD at 350 mg/L
- Phosphorus at 0.29 Y mg/L

Qualifier "Y" assigned for the phosphorus detected in the 5803-LP-1 sample indicates that the matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. Nitrogen/nitrate and sulfate were not detected in the sample collected from the lined leachate basin.

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 October 8 and 9, 2009. Water-level data are summarized on Table 5.

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 fall 2009 sampling event at the operating landfill. There is a lack of historic background groundwater-quality data from the current background monitoring well, 5803-MW-06R to warrant such analysis. 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. The fourth sample will be collected from 5803-MW-6R during the 2010 spring sampling event. The original background monitoring well, 5803-MW-06, which has been dry since spring 2008, has not yet been abandoned.

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.

4.0 Summary

4.1 Groundwater

Analysis of data collected during the semiannual groundwater quality monitoring event conducted on October 8 and 9, 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 Standards or GWPSs in one or more of the groundwater samples. Cobalt was detected in one monitoring well, 5803-MW-03, at a concentration (78 µg/L) that exceeded its GWPS of 70 µg/L. Vanadium was detected in five of the monitoring wells, including the background well (5803-MW-04, 5803-MW-05, 5803-MW-06R, 5803-MW-07R and 5803-MW-08), at concentrations ranging from 4.2 µg/L to 22.5 µg/L, exceeding the metal's GWPS of 3.5 µg/L. The highest vanadium concentration (22.5 µg/L) was detected in the sample collected from the background well 5803-MW-06R.

As described in Section 3.1, the turbidities of two of the monitoring wells, 5803-MW-06R at 287.3 NTU and 5803-MW-07R at 86.63 NTU, were high, 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, the 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 the new background monitoring using data collected from 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 Fall 2009	Historical Mean Concentration in 5803-MW-06 (1999 through 2006)	Historical Mean Concentration in 5803-MW-06R (Fall 2008 through Fall 2009)
Cobalt	2.84 µg/L	18.17 µg/L
Vanadium	10.1 µg/L	33.3 µg/L

Again, the detected concentrations from the fall 2008 through fall 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 between (1) metal detections higher than the 2L Standard in groundwater and (2) 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 samples collected from monitoring wells may be naturally occurring.

4.2 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.

4.3 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 April 2010.

FIGURES

LEGEND

OPERATING LANDFILL BOUNDARY

DATA SOURCES:

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

2. OPERATING LANDFILL 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

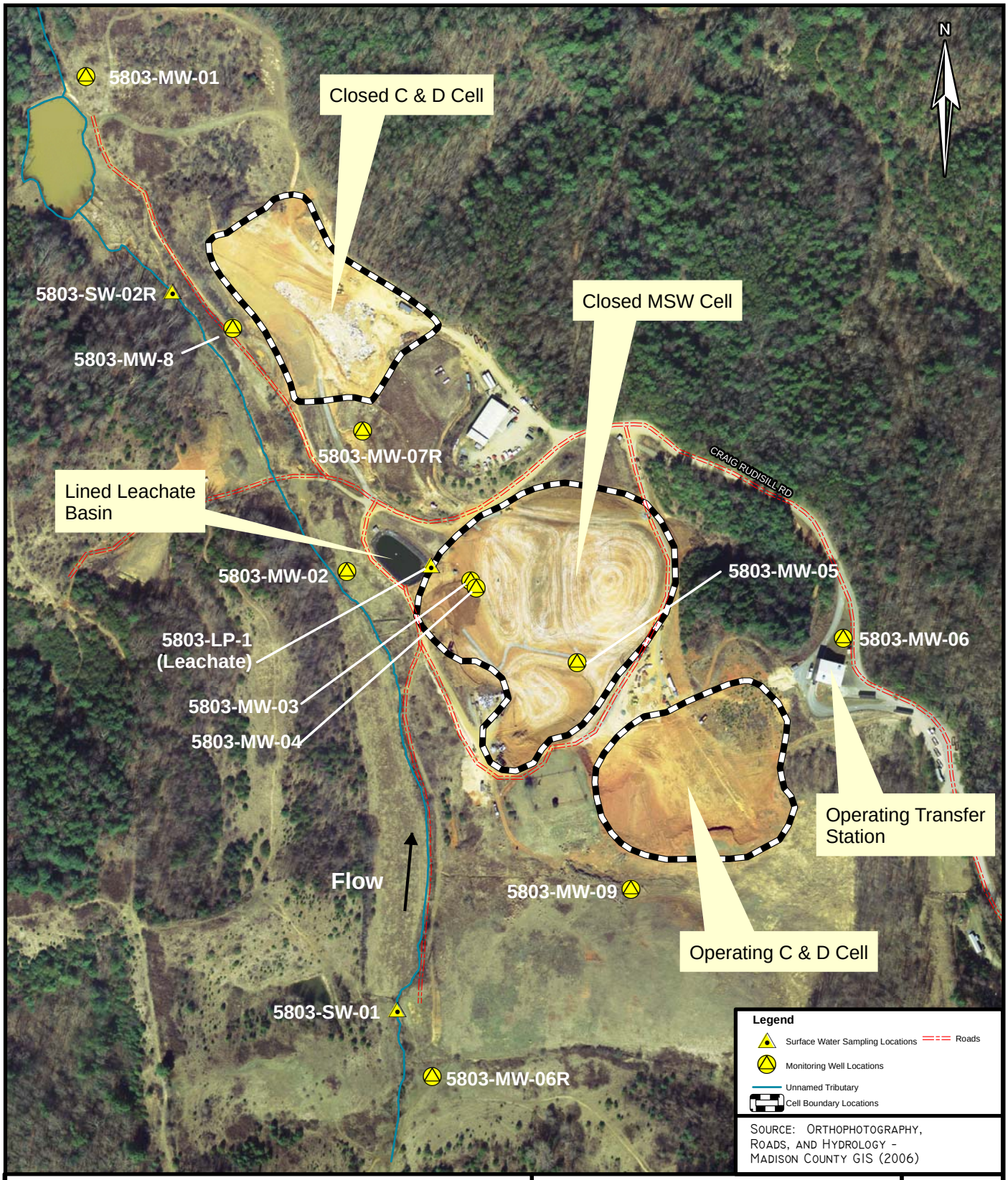
FIGURE

1

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 11/20/2009

SCALE
0 600 1,200 2,400
Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\5803-Figure 1-Site Location.mxd



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SAMPLE LOCATIONS

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

FIGURE

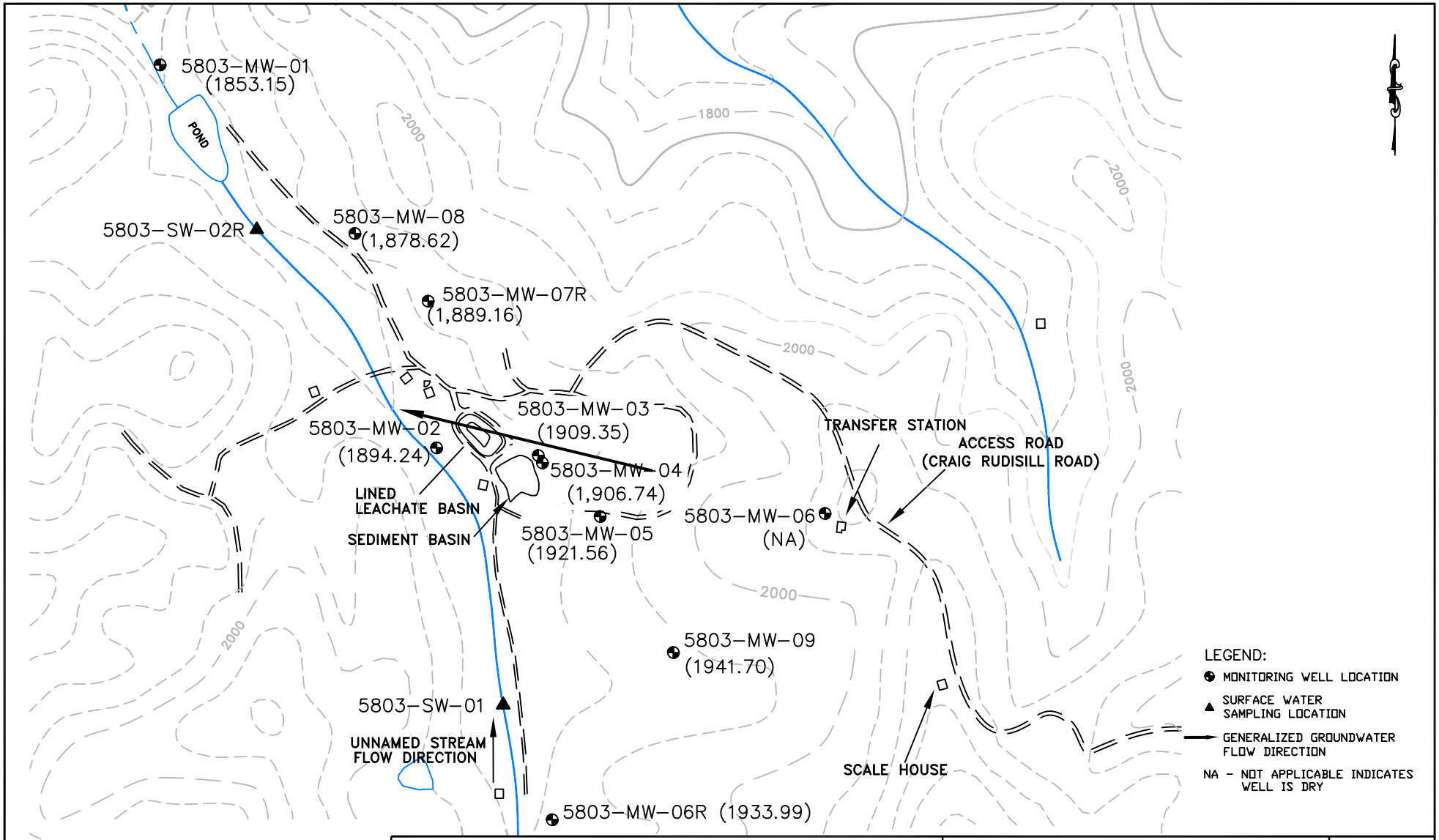
2

DRAWN BY: ANNA SAYLOR
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 01/23/2009; 11/20/2009 MV

SCALE

0 100 200 400 Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\5803-Figure 2-Sample Location Map_Operating.mxd



NOTES:

1. GROUNDWATER FLOW DIRECTION BASED ON GROUNDWATER ELEVATIONS IN MW-2, MW-3, MW-5, MW-8, MW-6R AND MW-7R (WATER TABLE WELLS)
2. GROUNDWATER ELEVATIONS BASED ON DEPTH TO WATER MEASURED ON OCTOBER 8 AND 9, 2009.

ALTAMONT ENVIRONMENTAL, INC.
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231 HAYWOOD STREET, ASHEVILLE, NC 28801
TEL.828.281.3350 FAC.828.281.3351
WWW.ALTAMONTENVIRONMENTAL.COM

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL D LENK
CLIENT: MADISON COUNTY
DATE: 11/24/2009

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\5803_FIGURE 3-GROUNDWATER FLOW_OCT 2009 UPDATE.DWG

TABLES

Table 1
Summary of Laboratory Analyses Performed on Samples
Madison County Operating Solid Waste Facility
Madison County, North Carolina

Groundwater Samples			
Sample Name	Date Collected	Appendix I Metals	Appendix I VOCs
MW-01	10/08/2009	X	X
MW-02	10/08/2009	X	X
MW-03	10/08/2009	X	X
MW-04	10/08/2009	X	X
MW-05	10/09/2009	X	X
MW-06R	10/09/2009	X	X
MW-07R	10/08/2009	X	X
MW-08	10/08/2009	X	X
MW-09	10/09/2009	X	X
Trip Blank	10/09/2009		X
Surface Water Samples			
Sample Name	Date Collected	Appendix I VOCs	Appendix I Metals
SW-1	10/09/2009	X	X
SW-2R	10/08/2009	X	X

Leachate Sample								
Sample Name	Date Collected	Appendix I VOCs	Appendix I Metals	Biochemical Oxygen Demand (BOD)	Chemical Oxygen Demand (COD)	Nitrogen/Nitrate	Total Phosphorus	Sulfate
LP-1	10/09/2009	X	X	X	X	X	X	X

Notes:

VOCs = volatile organic compounds

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-01	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-39-3	15	Barium	74.5	µg/L	J	EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-47-3	51	Chromium	0.69	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-48-4	53	Cobalt	6.5	µg/L	J	EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/12/09	10/13/09
58-03	5803-MW-01	7440-02-0	152	Nickel	5.6	µg/L	J	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-22-4	184	Silver	0.13	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-62-2	209	Vanadium	0.58	µg/L	J	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	7440-66-6	213	Zinc	5.8	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-01	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09
58-03	5803-MW-01	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-MW-01	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-MW-01	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-MW-01	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-MW-01	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-MW-01	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-MW-01	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-MW-01	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-01	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-MW-01	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09
58-03	5803-MW-01	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-01	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-MW-01	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-MW-01	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-MW-01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-MW-01	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-MW-01	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09
58-03	5803-MW-01	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-01	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-MW-01	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-MW-01	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-MW-01	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-MW-01	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-MW-01	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-01	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-MW-01	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-MW-01	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-MW-01	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-MW-01	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-01	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-MW-01	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-MW-01	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-MW-01	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-MW-01	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09
58-03	5803-MW-01	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-MW-01	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-MW-01	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-MW-01	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-01	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09
58-03	5803-MW-01	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-01	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-MW-01	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-01	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-MW-01	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-MW-01	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-MW-01	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09
58-03	5803-MW-01	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-MW-01	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-MW-01		356	Dissolved Oxygen	2.40	mg/L						10/08/09		
58-03	5803-MW-01		336	Oxygen Reduction Potential	134.5	mV						10/08/09		
58-03	5803-MW-01		320	pH	5.48	standard						10/08/09		
58-03	5803-MW-01		323	Specific Conductivity	41	uS						10/08/09		
58-03	5803-MW-01		325	Temperature	15.08	°C						10/08/09		
58-03	5803-MW-01		330	Turbidity	7.70	NTU						10/08/09		
58-03	5803-MW-01		318	Depth to Water	5.89	ft						10/08/09		
58-03	5803-MW-01		411	Total Well Depth	19.50	ft								
58-03	5803-MW-01		328	Top of Casing (ft mean sea level)	1,859.04	ft								
58-03	5803-MW-02	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-39-3	15	Barium	171	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-47-3	51	Chromium	BQL	µg/L	U	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-48-4	53	Cobalt	26.5	µg/L		EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/12/09	10/13/09
58-03	5803-MW-02	7440-02-0	152	Nickel	8.2	µg/L	J	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-22-4	184	Silver	0.44	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-62-2	209	Vanadium	1.1	µg/L	J	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-66-6	213	Zinc	16.7	µg/L		EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09

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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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-02	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-MW-02	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-MW-02	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-MW-02	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-MW-02	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-MW-02	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-MW-02	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-MW-02	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-02	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-MW-02	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09
58-03	5803-MW-02	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-02	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-MW-02	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-MW-02	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-MW-02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-MW-02	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-MW-02	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09
58-03	5803-MW-02	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-02	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-MW-02	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-MW-02	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-MW-02	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-MW-02	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-MW-02	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-02	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-MW-02	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-MW-02	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-MW-02	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-MW-02	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09
58-03	5803-MW-02	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-MW-02	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-MW-02	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-MW-02	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-MW-02	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09
58-03	5803-MW-02	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-MW-02	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-MW-02	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-MW-02	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-02	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09
58-03	5803-MW-02	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-02	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-MW-02	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-02	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-MW-02	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-MW-02	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-MW-02	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-02	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-MW-02	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-MW-02		356	Dissolved Oxygen	0.94	mg/L						10/08/09		
58-03	5803-MW-02		336	Oxygen Reduction Potential	-30.9	mV						10/08/09		
58-03	5803-MW-02		320	pH	6.00	standard						10/08/09		
58-03	5803-MW-02		323	Specific Conductivity	154	uS						10/08/09		
58-03	5803-MW-02		325	Temperature	19.48	°C						10/08/09		
58-03	5803-MW-02		330	Turbidity	0.89	NTU						10/08/09		
58-03	5803-MW-02		318	Depth to Water	4.70	ft						10/08/09		
58-03	5803-MW-02		411	Total Well Depth	18.20	ft								
58-03	5803-MW-02		328	Top of Casing (ft mean sea level)	1,898.94	ft								
58-03	5803-MW-03	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-39-3	15	Barium	216	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-47-3	51	Chromium	BQL	µg/L	U	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-48-4	53	Cobalt	**78.0**	µg/L		EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/12/09	10/13/09
58-03	5803-MW-03	7440-02-0	152	Nickel	4.6	µg/L	J	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-22-4	184	Silver	0.87	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-62-2	209	Vanadium	0.33	µg/L	J	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-66-6	213	Zinc	BQL	µg/L	U	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09
58-03	5803-MW-03	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-MW-03	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-MW-03	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-MW-03	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-MW-03	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-MW-03	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-MW-03	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-MW-03	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-03	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-MW-03	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09
58-03	5803-MW-03	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-03	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-MW-03	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-MW-03	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-MW-03	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-MW-03	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-MW-03	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-03	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-03	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-MW-03	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-MW-03	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-MW-03	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-MW-03	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-MW-03	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-03	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-MW-03	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-MW-03	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-MW-03	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-MW-03	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09
58-03	5803-MW-03	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-MW-03	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-MW-03	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-MW-03	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-MW-03	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09
58-03	5803-MW-03	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-MW-03	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-MW-03	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-MW-03	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-03	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09
58-03	5803-MW-03	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-03	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-MW-03	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-03	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-MW-03	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-MW-03	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-MW-03	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09
58-03	5803-MW-03	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-MW-03	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-MW-03		356	Dissolved Oxygen	1.88	mg/L						10/08/09		
58-03	5803-MW-03		336	Oxygen Reduction Potential	41.2	mV						10/08/09		
58-03	5803-MW-03		320	pH	6.05	standard						10/08/09		
58-03	5803-MW-03		323	Specific Conductivity	304	uS						10/08/09		
58-03	5803-MW-03		325	Temperature	16.69	°C						10/08/09		
58-03	5803-MW-03		330	Turbidity	6.95	NTU						10/08/09		
58-03	5803-MW-03		318	Depth to Water	23.61	ft						10/08/09		
58-03	5803-MW-03		411	Total Well Depth	35.90	ft								
58-03	5803-MW-03		328	Top of Casing (ft mean sea level)	1,932.96	ft								
58-03	5803-MW-04	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-39-3	15	Barium	122	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-04	7440-47-3	51	Chromium	0.87	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-48-4	53	Cobalt	BQL	µg/L	U	EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/12/09	10/13/09
58-03	5803-MW-04	7440-02-0	152	Nickel	1.9	µg/L	J	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-22-4	184	Silver	0.20	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-62-2	209	Vanadium	**5.5**	µg/L	***J***	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-66-6	213	Zinc	1.5	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09
58-03	5803-MW-04	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-MW-04	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-MW-04	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-MW-04	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-MW-04	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-MW-04	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-MW-04	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-MW-04	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-04	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-MW-04	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09
58-03	5803-MW-04	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-04	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-MW-04	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-MW-04	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-MW-04	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-MW-04	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-MW-04	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09
58-03	5803-MW-04	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-04	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-MW-04	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-MW-04	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-MW-04	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-MW-04	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-MW-04	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-04	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-MW-04	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-MW-04	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-MW-04	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-MW-04	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09
58-03	5803-MW-04	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-MW-04	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-MW-04	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-MW-04	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-MW-04	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-04	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-MW-04	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-MW-04	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-MW-04	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-04	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09
58-03	5803-MW-04	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-04	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-MW-04	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-04	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-MW-04	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-MW-04	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-MW-04	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09
58-03	5803-MW-04	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-MW-04	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-MW-04		356	Dissolved Oxygen	4.82	mg/L						10/08/09		
58-03	5803-MW-04		336	Oxygen Reduction Potential	139.3	mV						10/08/09		
58-03	5803-MW-04		320	pH	6.30	standard						10/08/09		
58-03	5803-MW-04		323	Specific Conductivity	116	uS						10/08/09		
58-03	5803-MW-04		325	Temperature	17.38	°C						10/08/09		
58-03	5803-MW-04		330	Turbidity	6.38	NTU						10/08/09		
58-03	5803-MW-04		318	Depth to Water	28.90	ft						10/08/09		
58-03	5803-MW-04		411	Total Well Depth	83.00	ft								
58-03	5803-MW-04		328	Top of Casing (ft mean sea level)	1,935.64	ft								
58-03	5803-MW-05	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-39-3	15	Barium	72.8	µg/L	J	EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-47-3	51	Chromium	1.1	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-48-4	53	Cobalt	BQL	µg/L	U	EPA 6010	0.60	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/09/09	10/13/09	10/14/09
58-03	5803-MW-05	7440-02-0	152	Nickel	4.8	µg/L	J	EPA 6010	1.7	50	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-22-4	184	Silver	0.21	µg/L	J	EPA 6010	0.10	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-62-2	209	Vanadium	**4.2**	µg/L	**J**	EPA 6010	0.20	25	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	7440-66-6	213	Zinc	0.46	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-05	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/09/09		10/17/09
58-03	5803-MW-05	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/09/09		10/17/09
58-03	5803-MW-05	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/09/09		10/17/09
58-03	5803-MW-05	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/09/09		10/17/09
58-03	5803-MW-05	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/09/09		10/17/09
58-03	5803-MW-05	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/09/09		10/17/09

Table 2
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-05	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/09/09		10/17/09
58-03	5803-MW-05	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/09/09		10/17/09
58-03	5803-MW-05	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-MW-05	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/09/09		10/17/09
58-03	5803-MW-05	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/09/09		10/17/09
58-03	5803-MW-05	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-MW-05	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/09/09		10/17/09
58-03	5803-MW-05	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/09/09		10/17/09
58-03	5803-MW-05	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/09/09		10/17/09
58-03	5803-MW-05	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/09/09		10/17/09
58-03	5803-MW-05	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/09/09		10/17/09
58-03	5803-MW-05	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/09/09		10/17/09
58-03	5803-MW-05	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-MW-05	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/09/09		10/17/09
58-03	5803-MW-05	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/09/09		10/17/09
58-03	5803-MW-05	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/09/09		10/17/09
58-03	5803-MW-05	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/09/09		10/17/09
58-03	5803-MW-05	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/09/09		10/17/09
58-03	5803-MW-05	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-MW-05	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/09/09		10/17/09
58-03	5803-MW-05	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/09/09		10/17/09
58-03	5803-MW-05	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/09/09		10/17/09
58-03	5803-MW-05	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/09/09		10/17/09
58-03	5803-MW-05	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/09/09		10/17/09
58-03	5803-MW-05	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/09/09		10/17/09
58-03	5803-MW-05	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/09/09		10/17/09
58-03	5803-MW-05	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/09/09		10/17/09
58-03	5803-MW-05	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/09/09		10/17/09
58-03	5803-MW-05	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/09/09		10/17/09
58-03	5803-MW-05	1330-20-7	359	m&p-Xylene	0.85	µg/L	J	EPA 8260	0.66	NE	1	10/09/09		10/17/09
58-03	5803-MW-05	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/09/09		10/17/09
58-03	5803-MW-05	95-47-6	408	o-Xylene	0.34	µg/L	J	EPA 8260	0.23	NE	1	10/09/09		10/17/09
58-03	5803-MW-05	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-05	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/09/09		10/17/09
58-03	5803-MW-05	108-88-3	196	Toluene	0.59	µg/L	J	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-05	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/09/09		10/17/09
58-03	5803-MW-05	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-05	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/09/09		10/17/09
58-03	5803-MW-05	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/09/09		10/17/09
58-03	5803-MW-05	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/09/09		10/17/09
58-03	5803-MW-05	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/09/09		10/17/09
58-03	5803-MW-05	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/09/09		10/17/09
58-03	5803-MW-05	1330-20-7	346	Xylene (Total)	1.2	µg/L	J	EPA 8260	0.66	5	1	10/09/09		10/17/09
58-03	5803-MW-05		356	Dissolved Oxygen	1.25	mg/L						10/09/09		
58-03	5803-MW-05		336	Oxygen Reduction Potential	164.6	mV						10/09/09		
58-03	5803-MW-05		320	pH	6.07	standard						10/09/09		

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-05		323	Specific Conductivity	144	uS						10/09/09		
58-03	5803-MW-05		325	Temperature	16.56	°C						10/09/09		
58-03	5803-MW-05		330	Turbidity	0.08	NTU						10/09/09		
58-03	5803-MW-05		318	Depth to Water	51.20	ft						10/09/09		
58-03	5803-MW-05		411	Total Well Depth	64.00	ft								
58-03	5803-MW-05		328	Top of Casing (ft mean sea level)	1,972.76	ft								
58-03	5803-MW-06R	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-39-3	15	Barium	200	µg/L		EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-41-7	23	Beryllium	0.22	µg/L	J	EPA 6010	0.10	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-47-3	51	Chromium	6.0	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-48-4	53	Cobalt	9.6	µg/L	J	EPA 6010	0.60	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-50-8	54	Copper	3.9	µg/L	J	EPA 6010	0.30	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/09/09	10/13/09	10/14/09
58-03	5803-MW-06R	7440-02-0	152	Nickel	22.1	µg/L	J	EPA 6010	1.7	50	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-22-4	184	Silver	0.25	µg/L	J	EPA 6010	0.10	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-62-2	209	Vanadium	**22.5**	µg/L	J	EPA 6010	0.20	25	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-66-6	213	Zinc	29.3	µg/L		EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/09/09		10/17/09
58-03	5803-MW-06R	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/09/09		10/17/09
58-03	5803-MW-06R	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/09/09		10/17/09
58-03	5803-MW-06R	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/09/09		10/17/09
58-03	5803-MW-06R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/09/09		10/17/09
58-03	5803-MW-06R	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/09/09		10/17/09
58-03	5803-MW-06R	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/09/09		10/17/09
58-03	5803-MW-06R	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/09/09		10/17/09
58-03	5803-MW-06R	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/09/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-06R	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/09/09		10/17/09
58-03	5803-MW-06R	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/09/09		10/17/09
58-03	5803-MW-06R	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/09/09		10/17/09
58-03	5803-MW-06R	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/09/09		10/17/09
58-03	5803-MW-06R	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/09/09		10/17/09
58-03	5803-MW-06R	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/09/09		10/17/09
58-03	5803-MW-06R	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/09/09		10/17/09
58-03	5803-MW-06R	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/09/09		10/17/09
58-03	5803-MW-06R	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/09/09		10/17/09
58-03	5803-MW-06R	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/09/09		10/17/09
58-03	5803-MW-06R	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/09/09		10/17/09
58-03	5803-MW-06R		356	Dissolved Oxygen	8.37	mg/L						10/09/09		
58-03	5803-MW-06R		336	Oxygen Reduction Potential	149.1	mV						10/09/09		
58-03	5803-MW-06R		320	pH	6.24	standard						10/09/09		
58-03	5803-MW-06R		323	Specific Conductivity	118	uS						10/09/09		
58-03	5803-MW-06R		325	Temperature	17.19	°C						10/09/09		
58-03	5803-MW-06R		330	Turbidity	287.3	NTU						10/09/09		
58-03	5803-MW-06R		318	Depth to Water	8.20	ft						10/09/09		
58-03	5803-MW-06R		411	Total Well Depth	25.00	ft								
58-03	5803-MW-06R		328	Top of Casing (ft mean sea level)	1,942.19	ft								
58-03	5803-MW-07R	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-39-3	15	Barium	137	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-41-7	23	Beryllium	0.30	µg/L	J	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-47-3	51	Chromium	5.2	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-48-4	53	Cobalt	BQL	µg/L	U	EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-50-8	54	Copper	0.82	µg/L	J	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/13/09	10/14/09

Table 2
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-07R	7440-02-0	152	Nickel	3.1	µg/L	J	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-22-4	184	Silver	0.25	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-62-2	209	Vanadium	**7.5**	µg/L	***J***	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-66-6	213	Zinc	13.5	µg/L		EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-MW-07R	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-MW-07R	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-MW-07R	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-MW-07R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-MW-07R	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-MW-07R	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09
58-03	5803-MW-07R	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-MW-07R	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-MW-07R	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-MW-07R	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-MW-07R	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-MW-07R	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09
58-03	5803-MW-07R	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-MW-07R	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-07R	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-MW-07R	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-MW-07R	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09
58-03	5803-MW-07R	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-MW-07R	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-MW-07R		356	Dissolved Oxygen	12.01	mg/L						10/08/09		
58-03	5803-MW-07R		336	Oxygen Reduction Potential	173.2	mV						10/08/09		
58-03	5803-MW-07R		320	pH	6.06	standard						10/08/09		
58-03	5803-MW-07R		323	Specific Conductivity	42	uS						10/08/09		
58-03	5803-MW-07R		325	Temperature	16.71	°C						10/08/09		
58-03	5803-MW-07R		330	Turbidity	86.63	NTU						10/08/09		
58-03	5803-MW-07R		318	Depth to Water	30.18	ft						10/08/09		
58-03	5803-MW-07R		411	Total Well Depth	41.40	ft								
58-03	5803-MW-07R		328	Top of Casing (ft mean sea level)	1,919.34	ft								
58-03	5803-MW-08	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-39-3	15	Barium	34.4	µg/L	J	EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-47-3	51	Chromium	1.8	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-48-4	53	Cobalt	BQL	µg/L	U	EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-50-8	54	Copper	0.81	µg/L	J	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/13/09	10/14/09
58-03	5803-MW-08	7440-02-0	152	Nickel	5.4	µg/L	J	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-22-4	184	Silver	0.17	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-62-2	209	Vanadium	**6.5**	µg/L	***J***	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	7440-66-6	213	Zinc	1.4	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-08	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09
58-03	5803-MW-08	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-MW-08	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-MW-08	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-MW-08	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-MW-08	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-MW-08	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-MW-08	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-MW-08	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-08	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-MW-08	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-08	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-MW-08	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-MW-08	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-MW-08	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-MW-08	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-MW-08	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-MW-08	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09
58-03	5803-MW-08	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-08	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-MW-08	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-MW-08	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-MW-08	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-MW-08	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-MW-08	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-MW-08	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-MW-08	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-MW-08	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-MW-08	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-MW-08	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09
58-03	5803-MW-08	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-MW-08	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-MW-08	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-MW-08	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-MW-08	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09
58-03	5803-MW-08	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-MW-08	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-MW-08	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-MW-08	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-08	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09
58-03	5803-MW-08	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-08	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-MW-08	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-MW-08	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-MW-08	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-MW-08	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-MW-08	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09
58-03	5803-MW-08	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-MW-08	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-MW-08		356	Dissolved Oxygen	9.41	mg/L						10/08/09		
58-03	5803-MW-08		336	Oxygen Reduction Potential	152.8	mV						10/08/09		
58-03	5803-MW-08		320	pH	6.18	standard						10/08/09		
58-03	5803-MW-08		323	Specific Conductivity	137	uS						10/08/09		
58-03	5803-MW-08		325	Temperature	15.30	°C						10/08/09		
58-03	5803-MW-08		330	Turbidity	6.58	NTU						10/08/09		
58-03	5803-MW-08		318	Depth to Water	21.30	ft						10/08/09		
58-03	5803-MW-08		411	Total Well Depth	26.60	ft								

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-08		328	Top of Casing (ft mean sea level)	1,899.92	ft								
58-03	5803-MW-09	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-39-3	15	Barium	120	µg/L		EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-47-3	51	Chromium	0.67	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-48-4	53	Cobalt	BQL	µg/L	U	EPA 6010	0.60	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/09/09	10/13/09	10/14/09
58-03	5803-MW-09	7440-02-0	152	Nickel	3.8	µg/L	J	EPA 6010	1.7	50	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-22-4	184	Silver	0.14	µg/L	J	EPA 6010	0.10	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-62-2	209	Vanadium	2.0	µg/L	J	EPA 6010	0.20	25	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-66-6	213	Zinc	3.0	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-09	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/09/09		10/17/09
58-03	5803-MW-09	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/09/09		10/17/09
58-03	5803-MW-09	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/09/09		10/17/09
58-03	5803-MW-09	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/09/09		10/17/09
58-03	5803-MW-09	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/09/09		10/17/09
58-03	5803-MW-09	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/09/09		10/17/09
58-03	5803-MW-09	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/09/09		10/17/09
58-03	5803-MW-09	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/09/09		10/17/09
58-03	5803-MW-09	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-MW-09	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/09/09		10/17/09
58-03	5803-MW-09	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/09/09		10/17/09
58-03	5803-MW-09	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-MW-09	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/09/09		10/17/09
58-03	5803-MW-09	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/09/09		10/17/09
58-03	5803-MW-09	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/09/09		10/17/09
58-03	5803-MW-09	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/09/09		10/17/09
58-03	5803-MW-09	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/09/09		10/17/09
58-03	5803-MW-09	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/09/09		10/17/09
58-03	5803-MW-09	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-MW-09	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/09/09		10/17/09
58-03	5803-MW-09	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/09/09		10/17/09
58-03	5803-MW-09	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/09/09		10/17/09
58-03	5803-MW-09	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/09/09		10/17/09
58-03	5803-MW-09	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/09/09		10/17/09
58-03	5803-MW-09	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-MW-09	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/09/09		10/17/09
58-03	5803-MW-09	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/09/09		10/17/09
58-03	5803-MW-09	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/09/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-09	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/09/09		10/17/09
58-03	5803-MW-09	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/09/09		10/17/09
58-03	5803-MW-09	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/09/09		10/17/09
58-03	5803-MW-09	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/09/09		10/17/09
58-03	5803-MW-09	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/09/09		10/17/09
58-03	5803-MW-09	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/09/09		10/17/09
58-03	5803-MW-09	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/09/09		10/17/09
58-03	5803-MW-09	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/09/09		10/17/09
58-03	5803-MW-09	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/09/09		10/17/09
58-03	5803-MW-09	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/09/09		10/17/09
58-03	5803-MW-09	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-09	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/09/09		10/17/09
58-03	5803-MW-09	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-09	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/09/09		10/17/09
58-03	5803-MW-09	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-MW-09	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/09/09		10/17/09
58-03	5803-MW-09	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/09/09		10/17/09
58-03	5803-MW-09	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/09/09		10/17/09
58-03	5803-MW-09	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/09/09		10/17/09
58-03	5803-MW-09	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/09/09		10/17/09
58-03	5803-MW-09	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/09/09		10/17/09
58-03	5803-MW-09		356	Dissolved Oxygen	4.80	mg/L						10/09/09		
58-03	5803-MW-09		336	Oxygen Reduction Potential	135.2	mV						10/09/09		
58-03	5803-MW-09		320	pH	6.31	standard						10/09/09		
58-03	5803-MW-09		323	Specific Conductivity	131	uS						10/09/09		
58-03	5803-MW-09		325	Temperature	16.32	°C						10/09/09		
58-03	5803-MW-09		330	Turbidity	2.28	NTU						10/09/09		
58-03	5803-MW-09		318	Depth to Water	7.73	ft						10/09/09		
58-03	5803-MW-09		411	Total Well Depth	25.34	ft								
58-03	5803-MW-09		328	Top of Casing (ft mean sea level)	1,949.43	ft								
58-03	5803-SW-01	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-39-3	15	Barium	116	µg/L		EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-47-3	51	Chromium	0.74	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-48-4	53	Cobalt	16.5	µg/L		EPA 6010	0.60	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/09/09	10/13/09	10/14/09
58-03	5803-SW-01	7440-02-0	152	Nickel	2.5	µg/L	J	EPA 6010	1.7	50	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-22-4	184	Silver	0.11	µg/L	J	EPA 6010	0.10	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-62-2	209	Vanadium	2.8	µg/L	J	EPA 6010	0.20	25	1	10/09/09	10/20/09	10/21/09

Table 2
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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-SW-01	7440-66-6	213	Zinc	14.8	µg/L		EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/09/09		10/17/09
58-03	5803-SW-01	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/09/09		10/17/09
58-03	5803-SW-01	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/09/09		10/17/09
58-03	5803-SW-01	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/09/09		10/17/09
58-03	5803-SW-01	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/09/09		10/17/09
58-03	5803-SW-01	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/09/09		10/17/09
58-03	5803-SW-01	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/09/09		10/17/09
58-03	5803-SW-01	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/09/09		10/17/09
58-03	5803-SW-01	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-SW-01	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/09/09		10/17/09
58-03	5803-SW-01	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/09/09		10/17/09
58-03	5803-SW-01	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-SW-01	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/09/09		10/17/09
58-03	5803-SW-01	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/09/09		10/17/09
58-03	5803-SW-01	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/09/09		10/17/09
58-03	5803-SW-01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/09/09		10/17/09
58-03	5803-SW-01	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/09/09		10/17/09
58-03	5803-SW-01	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/09/09		10/17/09
58-03	5803-SW-01	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-SW-01	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/09/09		10/17/09
58-03	5803-SW-01	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/09/09		10/17/09
58-03	5803-SW-01	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/09/09		10/17/09
58-03	5803-SW-01	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/09/09		10/17/09
58-03	5803-SW-01	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/09/09		10/17/09
58-03	5803-SW-01	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-SW-01	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/09/09		10/17/09
58-03	5803-SW-01	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/09/09		10/17/09
58-03	5803-SW-01	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/09/09		10/17/09
58-03	5803-SW-01	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/09/09		10/17/09
58-03	5803-SW-01	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/09/09		10/17/09
58-03	5803-SW-01	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/09/09		10/17/09
58-03	5803-SW-01	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/09/09		10/17/09
58-03	5803-SW-01	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/09/09		10/17/09
58-03	5803-SW-01	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/09/09		10/17/09
58-03	5803-SW-01	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/09/09		10/17/09
58-03	5803-SW-01	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/09/09		10/17/09
58-03	5803-SW-01	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/09/09		10/17/09
58-03	5803-SW-01	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/09/09		10/17/09
58-03	5803-SW-01	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-SW-01	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/09/09		10/17/09
58-03	5803-SW-01	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-SW-01	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/09/09		10/17/09
58-03	5803-SW-01	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-SW-01	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/09/09		10/17/09
58-03	5803-SW-01	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/09/09		10/17/09

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58-03	5803-SW-01	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/09/09		10/17/09
58-03	5803-SW-01	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/09/09		10/17/09
58-03	5803-SW-01	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/09/09		10/17/09
58-03	5803-SW-01	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/09/09		10/17/09
58-03	5803-SW-01		356	Dissolved Oxygen	2.66	mg/L						10/09/09		
58-03	5803-SW-01		336	Oxygen Reduction Potential	76.0	mV						10/09/09		
58-03	5803-SW-01		320	pH	6.26	standard						10/09/09		
58-03	5803-SW-01		323	Specific Conductivity	133	uS						10/09/09		
58-03	5803-SW-01		325	Temperature	18.31	°C						10/09/09		
58-03	5803-SW-01		330	Turbidity	227.6	NTU						10/09/09		
58-03	5803-SW-02R	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-39-3	15	Barium	65.0	µg/L	J	EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-47-3	51	Chromium	BQL	µg/L	U	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-48-4	53	Cobalt	1.2	µg/L	J	EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-50-8	54	Copper	BQL	µg/L	U	EPA 6010	0.30	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/08/09	10/13/09	10/14/09
58-03	5803-SW-02R	7440-02-0	152	Nickel	BQL	µg/L	U	EPA 6010	1.7	50	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-22-4	184	Silver	0.16	µg/L	J	EPA 6010	0.10	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-62-2	209	Vanadium	2.4	µg/L	J	EPA 6010	0.20	25	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	7440-66-6	213	Zinc	2.7	µg/L	J	EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-SW-02R	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/08/09		10/17/09
58-03	5803-SW-02R	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/08/09		10/17/09
58-03	5803-SW-02R	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/08/09		10/17/09
58-03	5803-SW-02R	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/08/09		10/17/09
58-03	5803-SW-02R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/08/09		10/17/09
58-03	5803-SW-02R	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/08/09		10/17/09
58-03	5803-SW-02R	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/08/09		10/17/09
58-03	5803-SW-02R	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09

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FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-SW-02R	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/08/09		10/17/09
58-03	5803-SW-02R	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/08/09		10/17/09
58-03	5803-SW-02R	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/08/09		10/17/09
58-03	5803-SW-02R	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/08/09		10/17/09
58-03	5803-SW-02R	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/08/09		10/17/09
58-03	5803-SW-02R	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/08/09		10/17/09
58-03	5803-SW-02R	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/08/09		10/17/09
58-03	5803-SW-02R	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/08/09		10/17/09
58-03	5803-SW-02R	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/08/09		10/17/09
58-03	5803-SW-02R	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/08/09		10/17/09
58-03	5803-SW-02R	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/08/09		10/17/09
58-03	5803-SW-02R	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/08/09		10/17/09
58-03	5803-SW-02R		356	Dissolved Oxygen	14.50	mg/L						10/08/09		
58-03	5803-SW-02R		336	Oxygen Reduction Potential	70.0	mV						10/08/09		
58-03	5803-SW-02R		320	pH	6.10	standard						10/08/09		
58-03	5803-SW-02R		323	Specific Conductivity	95	uS						10/08/09		
58-03	5803-SW-02R		325	Temperature	13.39	°C						10/08/09		
58-03	5803-SW-02R		330	Turbidity	14.91	NTU						10/08/09		
58-03	5803-LP-1	7440-36-0	13	Antimony	BQL	µg/L	U	EPA 6010	2.6	6	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-38-2	14	Arsenic	BQL	µg/L	U	EPA 6010	2.7	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-39-3	15	Barium	26.7	µg/L	J	EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-41-7	23	Beryllium	BQL	µg/L	U	EPA 6010	0.10	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-43-9	34	Cadmium	BQL	µg/L	U	EPA 6010	0.50	1	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-47-3	51	Chromium	0.87	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-48-4	53	Cobalt	1.9	µg/L	J	EPA 6010	0.60	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-50-8	54	Copper	0.93	µg/L	J	EPA 6010	0.30	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7439-92-1	131	Lead	BQL	µg/L	U	EPA 6010	4.0	10	1	10/09/09	10/20/09	10/21/09

Table 2
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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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-LP-1	7439-97-6	132	Mercury	BQL	µg/L	U	EPA 7470	0.070	0.2	1	10/09/09	10/13/09	10/14/09
58-03	5803-LP-1	7440-02-0	152	Nickel	13.6	µg/L	J	EPA 6010	1.7	50	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7782-49-2	183	Selenium	BQL	µg/L	U	EPA 6010	3.8	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-22-4	184	Silver	0.11	µg/L	J	EPA 6010	0.10	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-28-0	194	Thallium	BQL	µg/L	U	EPA 200.8	0.25	5.5	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-62-2	209	Vanadium	4.2	µg/L	J	EPA 6010	0.20	25	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	7440-66-6	213	Zinc	6.7	µg/L	J	EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-LP-1	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/09/09		10/17/09
58-03	5803-LP-1	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/09/09		10/17/09
58-03	5803-LP-1	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/09/09		10/17/09
58-03	5803-LP-1	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/09/09		10/17/09
58-03	5803-LP-1	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/09/09		10/17/09
58-03	5803-LP-1	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/09/09		10/17/09
58-03	5803-LP-1	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/09/09		10/17/09
58-03	5803-LP-1	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/09/09		10/17/09
58-03	5803-LP-1	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-LP-1	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/09/09		10/17/09
58-03	5803-LP-1	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/09/09		10/17/09
58-03	5803-LP-1	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	5803-LP-1	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/09/09		10/17/09
58-03	5803-LP-1	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/09/09		10/17/09
58-03	5803-LP-1	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/09/09		10/17/09
58-03	5803-LP-1	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/09/09		10/17/09
58-03	5803-LP-1	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/09/09		10/17/09
58-03	5803-LP-1	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/09/09		10/17/09
58-03	5803-LP-1	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-LP-1	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/09/09		10/17/09
58-03	5803-LP-1	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/09/09		10/17/09
58-03	5803-LP-1	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/09/09		10/17/09
58-03	5803-LP-1	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/09/09		10/17/09
58-03	5803-LP-1	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/09/09		10/17/09
58-03	5803-LP-1	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	5803-LP-1	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/09/09		10/17/09
58-03	5803-LP-1	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/09/09		10/17/09
58-03	5803-LP-1	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/09/09		10/17/09
58-03	5803-LP-1	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/09/09		10/17/09
58-03	5803-LP-1	156-59-2	78	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	5	1	10/09/09		10/17/09
58-03	5803-LP-1	10061-01-5	86	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	1	1	10/09/09		10/17/09
58-03	5803-LP-1	124-48-1	66	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	3	1	10/09/09		10/17/09
58-03	5803-LP-1	74-95-3	139	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	10	1	10/09/09		10/17/09
58-03	5803-LP-1	100-41-4	110	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	1	1	10/09/09		10/17/09
58-03	5803-LP-1	74-88-4	142	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/09/09		10/17/09
58-03	5803-LP-1	1330-20-7	359	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	NE	1	10/09/09		10/17/09
58-03	5803-LP-1	75-09-2	140	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/09/09		10/17/09
58-03	5803-LP-1	95-47-6	408	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	NE	1	10/09/09		10/17/09
58-03	5803-LP-1	100-42-5	186	Styrene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09

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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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-LP-1	127-18-4	192	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	1	1	10/09/09		10/17/09
58-03	5803-LP-1	108-88-3	196	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-LP-1	156-60-5	79	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	5	1	10/09/09		10/17/09
58-03	5803-LP-1	10061-02-6	87	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	5803-LP-1	110-57-6	73	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	100	1	10/09/09		10/17/09
58-03	5803-LP-1	79-01-6	201	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	1	1	10/09/09		10/17/09
58-03	5803-LP-1	75-69-4	203	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/09/09		10/17/09
58-03	5803-LP-1	108-05-4	210	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	50	1	10/09/09		10/17/09
58-03	5803-LP-1	75-01-4	211	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/09/09		10/17/09
58-03	5803-LP-1	1330-20-7	346	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/09/09		10/17/09
58-03	5803-LP-1		316	BOD, 5 day	37.6	mg/L		SM 5210B	2.0	NE	1	10/09/09	10/09/09	10/14/09
58-03	5803-LP-1		317	Chemical Oxygen Demand	350	mg/L		SM 5220D	25.0	NE	1	10/09/09		10/20/09
58-03	5803-LP-1		303	Nitrogen, Nitrate	BQL	mg/L	U	EPA 353.2	0.10	10 (mg/L)	1	10/09/09		10/09/09
58-03	5803-LP-1	7723-14-0	412	Phosphorus (Total)	0.29	mg/L	Y	EPA 365.1	0.10	NE	1	10/09/09		10/19/09
58-03	5803-LP-1	14808-79-8	315	Sulfate	BQL	mg/L	U	ASTM D516-90	5.0	250 (mg/L)	1	10/09/09		10/14/09
58-03	5803-LP-1		356	Dissolved Oxygen	18.40	mg/L						10/09/09		
58-03	5803-LP-1		336	Oxygen Reduction Potential	8.9	mV						10/09/09		
58-03	5803-LP-1		320	pH	9.48	standard						10/09/09		
58-03	5803-LP-1		323	Specific Conductivity	1054	uS						10/09/09		
58-03	5803-LP-1		325	Temperature	24.18	°C						10/09/09		
58-03	5803-LP-1		330	Turbidity	296.9	NTU						10/09/09		
58-03	TRIP BLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.33	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	71-55-6	200	1,1,1-Trichloroethane	BQL	µg/L	U	EPA 8260	0.48	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	BQL	µg/L	U	EPA 8260	0.40	3	1	10/09/09		10/17/09
58-03	TRIP BLANK	79-00-5	202	1,1,2-Trichloroethane	BQL	µg/L	U	EPA 8260	0.29	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-34-3	75	1,1-Dichloroethane	BQL	µg/L	U	EPA 8260	0.32	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-35-4	77	1,1-Dichloroethene	BQL	µg/L	U	EPA 8260	0.56	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	96-18-4	206	1,2,3-Trichloropropane	BQL	µg/L	U	EPA 8260	0.41	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	96-12-8	67	1,2-Dibromo-3-chloropropane	BQL	µg/L	U	EPA 8260	2.5	13	1	10/09/09		10/17/09
58-03	TRIP BLANK	106-93-4	68	1,2-Dibromoethane (EDB)	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	95-50-1	69	1,2-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.30	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	107-06-2	76	1,2-Dichloroethane	BQL	µg/L	U	EPA 8260	0.12	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	78-87-5	82	1,2-Dichloropropane	BQL	µg/L	U	EPA 8260	0.27	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	106-46-7	71	1,4-Dichlorobenzene	BQL	µg/L	U	EPA 8260	0.33	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	78-93-3	141	2-Butanone (MEK)	BQL	µg/L	U	EPA 8260	0.96	100	1	10/09/09		10/17/09
58-03	TRIP BLANK	591-78-6	124	2-Hexanone	BQL	µg/L	U	EPA 8260	0.46	50	1	10/09/09		10/17/09
58-03	TRIP BLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	BQL	µg/L	U	EPA 8260	0.33	100	1	10/09/09		10/17/09
58-03	TRIP BLANK	67-64-1	3	Acetone	BQL	µg/L	U	EPA 8260	2.2	100	1	10/09/09		10/17/09
58-03	TRIP BLANK	107-13-1	8	Acrylonitrile	BQL	µg/L	U	EPA 8260	1.9	200	1	10/09/09		10/17/09
58-03	TRIP BLANK	71-43-2	16	Benzene	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	74-97-5	28	Bromochloromethane	BQL	µg/L	U	EPA 8260	0.17	3	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-27-4	29	Bromodichloromethane	BQL	µg/L	U	EPA 8260	0.18	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-25-2	30	Bromoform	BQL	µg/L	U	EPA 8260	0.26	3	1	10/09/09		10/17/09

Table 2
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	TRIP BLANK	74-83-9	136	Bromomethane	BQL	µg/L	U	EPA 8260	0.29	10	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-15-0	35	Carbon disulfide	BQL	µg/L	U	EPA 8260	1.2	100	1	10/09/09		10/17/09
58-03	TRIP BLANK	56-23-5	36	Carbon tetrachloride	BQL	µg/L	U	EPA 8260	0.25	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	108-90-7	39	Chlorobenzene	BQL	µg/L	U	EPA 8260	0.23	3	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-00-3	41	Chloroethane	BQL	µg/L	U	EPA 8260	0.54	10	1	10/09/09		10/17/09
58-03	TRIP BLANK	67-66-3	44	Chloroform	BQL	µg/L	U	EPA 8260	0.14	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	74-87-3	137	Chloromethane	BQL	µg/L	U	EPA 8260	0.11	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	156-59-2	87	cis-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.19	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	10061-01-5	73	cis-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.13	100	1	10/09/09		10/17/09
58-03	TRIP BLANK	124-48-1	78	Dibromochloromethane	BQL	µg/L	U	EPA 8260	0.21	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	74-95-3	86	Dibromomethane	BQL	µg/L	U	EPA 8260	0.21	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	100-41-4	66	Ethylbenzene	BQL	µg/L	U	EPA 8260	0.30	3	1	10/09/09		10/17/09
58-03	TRIP BLANK	74-88-4	139	Iodomethane	BQL	µg/L	U	EPA 8260	0.32	10	1	10/09/09		10/17/09
58-03	TRIP BLANK	1330-20-7	201	m&p-Xylene	BQL	µg/L	U	EPA 8260	0.66	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-09-2	110	Methylene Chloride	BQL	µg/L	U	EPA 8260	0.97	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	95-47-6	203	o-Xylene	BQL	µg/L	U	EPA 8260	0.23	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	100-42-5	142	Styrene	BQL	µg/L	U	EPA 8260	0.26	10	1	10/09/09		10/17/09
58-03	TRIP BLANK	127-18-4	359	Tetrachloroethene	BQL	µg/L	U	EPA 8260	0.46	NE	1	10/09/09		10/17/09
58-03	TRIP BLANK	108-88-3	140	Toluene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	156-60-5	210	trans-1,2-Dichloroethene	BQL	µg/L	U	EPA 8260	0.49	50	1	10/09/09		10/17/09
58-03	TRIP BLANK	10061-02-6	211	trans-1,3-Dichloropropene	BQL	µg/L	U	EPA 8260	0.26	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	110-57-6	346	trans-1,4-Dichloro-2-butene	BQL	µg/L	U	EPA 8260	1.0	5	1	10/09/09		10/17/09
58-03	TRIP BLANK	79-01-6	408	Trichloroethene	BQL	µg/L	U	EPA 8260	0.47	NE	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-69-4	186	Trichlorofluoromethane	BQL	µg/L	U	EPA 8260	0.20	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	108-05-4	192	Vinyl acetate	BQL	µg/L	U	EPA 8260	0.35	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	75-01-4	196	Vinyl chloride	BQL	µg/L	U	EPA 8260	0.62	1	1	10/09/09		10/17/09
58-03	TRIP BLANK	1330-20-7	79	Xylene (Total)	BQL	µg/L	U	EPA 8260	0.66	5	1	10/09/09		10/17/09

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility
Madison County, North Carolina

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
3. "Practical Quantitaion Limit" (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions."
4. "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.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Practical Quantitation Limit (PQL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentration that is greater than the PQL and MDL but less than the SWSL.
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 indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collection Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. 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.
12. 2B Standard is from "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 May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on December 7, 2006).
14. 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).
15. "NE" means Not Established. "NMT" means No Measurement Taken. Blank cells indicate that there is no information relevant to the respective row.
16. Qualifier "Y" for the phosphorus detected in sample LP-1 indicates that the matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Table 3
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	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE
58-03	5803-MW-02	7440-39-3	15	Barium	171	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-48-4	53	Cobalt	26.5	µg/L		EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-02	7440-66-6	213	Zinc	16.7	µg/L		EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-39-3	15	Barium	216	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-03	7440-48-4	53	Cobalt	**78.0**	µg/L		EPA 6010	0.60	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-04	7440-39-3	15	Barium	122	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-39-3	15	Barium	200	µg/L		EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-06R	7440-66-6	213	Zinc	29.3	µg/L		EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-39-3	15	Barium	137	µg/L		EPA 6010	0.20	100	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-07R	7440-66-6	213	Zinc	13.5	µg/L		EPA 6010	0.40	10	1	10/08/09	10/20/09	10/21/09
58-03	5803-MW-09	7440-39-3	15	Barium	120	µg/L		EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-39-3	15	Barium	116	µg/L		EPA 6010	0.20	100	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-48-4	53	Cobalt	16.5	µg/L		EPA 6010	0.60	10	1	10/09/09	10/20/09	10/21/09
58-03	5803-SW-01	7440-66-6	213	Zinc	14.8	µg/L		EPA 6010	0.40	10	1	10/09/09	10/20/09	10/21/09

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
3. "Practical Quantitaion Limit" (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions."
4. "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.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detec concentrations above the Method Detection Limit (MDL) but below the laboratory's Practical Quantitation Limit (PQL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a dete that is greater than the PQL and MDL but less than the SWSL.
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 indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
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10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. 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.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary tab (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on Decembe
14. 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).
15. "NE" means Not Established. "NMT" means No Measurement Taken. Blank cells indicate that there is no information relevant to the respective row.

Table 4
Water Quality Standards 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	COLLECTION DATE	ANALYSIS DATE	CAUSE AND SIGNIFICANCE
58-03	5803-MW-03	7440-48-4	53	Cobalt	**78.0**	µg/L		EPA 6010	0.60	10	NE	70	10/08/09	10/21/09	Potentially naturally occurring - higher than background concentration of 9.6 J ug/L; turbidity 6.95 NTU. Walnut Creek tributary to west.
58-03	5803-MW-04	7440-62-2	209	Vanadium	**5.5**	µg/L	*J*	EPA 6010	0.20	25	NE	3.5	10/08/09	10/21/09	Potentially naturally occurring - lower than background concentration; turbidity 6.38 NTU. Walnut Creek tributary to west.
58-03	5803-MW-05	7440-62-2	209	Vanadium	**4.2**	µg/L	J	EPA 6010	0.20	25	NE	3.5	10/09/09	10/21/09	Potentially naturally occurring - lower than background concentration; turbidity 0.08 NTU. Walnut Creek tributary to west.
58-03	5803-MW-06R	7440-62-2	209	Vanadium	**22.5**	µg/L	*J*	EPA 6010	0.20	25	NE	3.5	10/09/09	10/21/09	Naturally occurring and possibly due to higher turbidity of the sample; background concentration; turbidity 287.3 NTU. Walnut Creek tributary to
58-03	5803-MW-07R	7440-62-2	209	Vanadium	**7.5**	µg/L	*J*	EPA 6010	0.20	25	NE	3.5	10/08/09	10/21/09	Potentially naturally occurring - lower than background concentration; turbidity 86.63 NTU. Walnut Creek tributary to west.
58-03	5803-MW-08	7440-62-2	209	Vanadium	**6.5**	µg/L	*J*	EPA 6010	0.20	25	NE	3.5	10/08/09	10/21/09	Potentially naturally occurring - lower than background concentration; turbidity 6.58 NTU. Walnut Creek tributary to west.

Notes:
1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
3. "Practical Quantitaion Limit" (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions."
4. "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.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimat concentrations above the Method Detection Limit (MDL) but below the laboratory's Practical Quantitation Limit (PQL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentr that is greater than the PQL and MDL but less than the SWSL.
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 indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collection Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. 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.
12. 2B Standard is from "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 May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on December 7, 2006).
14. 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).
15. "NE" means Not Established. "NMT" means No Measurement Taken. Blank cells indicate that there is no information relevant to the respective row.
16. Qualifier "Y" for the phosphorus detected in sample LP-1 indicates that the matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Table 5
Well Construction Details and Corresponding Elevations
Madison County Operating Solid Waste Facility
Madison County, North Carolina
October 2009

Facility Permit	Well ID	TOC Elevation	Depth To Water (from TOC)	Groundwater Elevation	Depth to Bedrock	Top of Bedrock Elevation	Screened Interval	Top of Screen Elevation
58-03	5803-MW-01	1,859.04	5.89	1,853.15	7	1,849.5	2 to 17	1,857.04
58-03	5803-MW-02	1,898.94	4.70	1,894.24	6	1,890.4	1 to 16	1,897.94
58-03	5803-MW-03	1,932.96	23.61	1,909.35	NA	NA	15.5 to 30.5	1,913.72
58-03	5803-MW-04	1,935.64	28.90	1,906.74	35.2	1,895.2	70.7 to 80.7	1,862.21
58-03	5803-MW-05	1,972.76	51.20	1,921.56	NA	NA	46.5 to 61.5	1,926.26
58-03	5803-MW-06	2,082.87	DRY	NA	28	2,052.4	80 to 100	2,002.87
58-03	5803-MW-06R	1,942.19	8.20	1,933.99	NA	NA	10 to 25	1,932.19
58-03	5803-MW-07R	1,919.34	30.18	1,889.16	NA	NA	26.1 to 41.1	1,890.53
58-03	5803-MW-08	1,899.92	21.30	1,878.62	NA	NA	16.3 to 26.3	1,881.02
58-03	5803-MW-09	1,949.43	7.73	1,941.70	NA	NA	12.4 to 22.4	1,934.29

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 data were 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 Closure 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, TOC elevations were taken from boring logs completed by Bunnell-Lammons Engineering on July 28, 29, and 30, 2003.
7. For 5803-MW-09, TOC elevation was taken from boring log completed by Bunnell-Lammons Engineering, Inc. on October 13, 2006.
8. Monitoring of background well 5803-MW-06 was 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, PA.
9. Depth to water measurements obtained in the field on October 8 and 9, 2009.

APPENDICES

APPENDIX A
Sampling Logs and Equipment Calibration Data Sheet(s)

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
231 HAYWOOD 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: E. Yurkovich, P. Brooks
Date: 10/8/09

Well ID: MW-1
Screen Interval: 2-17 bgs
Depth to Water: 5.89 toc
Stickup: 2.0
Depth of Pump Intake: 10.0 toc
Drawdown Set: 6.49 toc

Arrive at Well: 830
Start Time: 844
Sample Time: 908
Finish Sample Time: 915
Leave Well: 937

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
847	6.19	15.81	5.77	040	220.3	4.46	22.73
850	6.19	15.92	5.50	039	224.2	3.82	39.00
853	6.25	15.74	5.44	039	221.1	3.56	38.18
856	6.49	16.07	5.41	039	191.9	3.40	28.91
859	6.49	15.96	5.45	040	152.7	2.64	14.73
902	6.49	15.69	5.51	040	144.5	2.52	8.89
905	6.49	15.11	5.57	041	139.9	2.46	8.47
908	6.49	15.08	5.48	041	134.5	2.40	7.70

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: 2min @ 3CPM

Comments: Well recharges slowly, started around 10 secs and progressively got slower ~2min
- Purge 1 gallon

Sample name: MW-1

Sampling Technician Name: Evan Yurkovich

Signature:

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
231 HAYWOOD 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: E. Yurkovich, P. Brooks
Date: 10/8/09

Well ID: MW-2
Screen Interval: 1 to 16 bgs
Depth to Water: 4.70 toc
Stickup: 0.5
Depth of Pump Intake: 8.5 toc
Drawdown Set: 5.70 toc

Arrive at Well: 1415
Start Time: 1429
Sample Time: 1502
Finish Sample Time: 1507
Leave Well: 1523

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1432	5.00	19.54	6.14	159	40.1	18.69	39.86
1435	5.00	19.42	6.09	157	35.2	1.48	23.22
1438	5.00	19.87	6.07	160	30.8	0.90	29.13
1441	5.70	19.28	5.99	167	-30.8	0.67	25.56
1444	5.70	19.39	6.02	166	-41.2	0.56	10.70
1447	5.70	19.50	6.01	164	-44.2	0.45	8.31
1450	5.70	19.50	6.05	162	-42.7	0.46	3.47
1453	5.70	19.49	6.05	159	-40.5	0.52	3.19
1456	5.70	19.48	6.03	156	-35.0	0.79	2.97
1459	5.70	19.54	5.98	156	-34.1	0.84	2.50
1502	5.70	19.48	6.00	154	-30.9	0.94	0.89

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: 25 secs @ 3 CPM

Comments: Well recharges quickly

Sample name: MW-2

Sampling Technician Name: Evan Yurkovich

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co Operating LF
Project Number: 2313.1207
Personnel: E. Yurkanch, P. Brooks
Date: 10/8/09

Well ID: MW-3
Screen Interval: 15.5-25.5 bgs
Depth to Water: 23.41 toc
Stickup: 3.7
Depth of Pump Intake: 27.5 toc
Drawdown Set: 24.61 toc

Arrive at Well: 1210
Start Time: 1226
Sample Time: 1256
Finish Sample Time: 1301
Leave Well: 1313

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1229	23.91	18.23	6.05	305	27.9	4.70	770.3
1232 (PB)	23.91	17.74	6.04	316	28.6	2.60	440.0
1235	23.91	17.93	6.05	318	28.3	2.04	306.6
1238	24.41	16.22	6.02	311	33.9	2.22	113.1
1241	24.61	15.91	5.96	285	45.0	2.61	47.82
1244	24.61	16.11	5.99	274	48.6	2.99	18.65
1247	24.61	16.29	5.97	279	47.8	2.46	10.71
1250	24.61	16.52	6.01	289	44.4	1.80	6.48
1253	24.61	16.64	6.02	295	39.6	1.71	9.32
1256	24.61	16.69	6.05	304	41.2	1.88	6.95

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: 30 secs @ 3GPM

Comments: Well recharges fairly quickly, slow @ first
Very turbid @ first, orangish brown
Purged 1.75 gallons

Sample name: MW-3

Sampling Technician Name: Evan Yurkanch

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co. Operating LF
Project Number: 2313.1202
Personnel: E. Yurkovich, P. Brooks
Date: 10/8/09

Well ID: MW-4
Screen Interval: 70.7 - 80.7 bgs
Depth to Water: 28.90 toc
Stickup: 4.0
Depth of Pump Intake: 77.7 toc
Drawdown Set: 29.20 toc

Arrive at Well: 1315
Start Time: 1324
Sample Time: 1349
Finish Sample Time: 1353
Leave Well: 1411

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1328	29.20	17.91	6.48	120	105.2	10.94	9.67
1331	29.20	17.11	6.36	117	122.9	7.05	28.75
1334	29.20	17.01	6.31	117	130.7	5.49	15.39
1337	29.20	16.96	6.25	116	135.6	4.92	10.82
1340	29.20	17.05	6.29	116	137.6	4.88	23.95
1343	29.20	17.06	6.27	116	139.0	4.79	6.12
1346	29.20	17.23	6.29	116	138.6	4.76	6.90
1349	29.20	17.38	6.30	116	139.3	4.82	6.38

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 secs @ 3GPM

Comments: Well recharges quickly
Purge 1.25 gallons

Sample name: MW-4

Sampling Technician Name: EVAN Yurkovich

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co. Operating
Project Number: 2313.1700
Personnel: E. Yurkovich, P. Brooks
Date: 10/9/09

Well ID: MW-5
Screen Interval: 46.5-61.5 bgs
Depth to Water: 51.80 toc
Stickup: 1.5
Depth of Pump Intake: 56.0 toc
Drawdown Set: 52.20 toc

Arrive at Well: 901
Start Time: 916
Sample Time: 941
Finish Sample Time: 958
Leave Well: 1010

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
920	51.60	16.09	6.37	146	170.3	22.24	4.78
923	52.20	15.13	6.13	144	165.3	4.70	5.61
926	52.20	15.19	6.11	143	167.5	1.26	2.96
929	52.20	15.56	6.09	143	167.3	1.03	1.33
932	52.20	15.84	6.10	143	167.3	1.05	0.96
935	52.20	16.23	6.09	144	165.4	1.06	0.85
938	52.20	16.37	6.06	144	165.6	1.11	2.45 (FB)
941	52.20	16.56	6.07	144	164.6	1.25	0.08

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: 3 min

Comments: Well recharges very slow
Purge 1.75 gallons

Sample name: MW-5

Sampling Technician Name: Evan Yurkovich

Signature: EY

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Low-Flow Sampling Data Sheet

Project Name: Madison Co. Operating LF
Project Number: 2313.1202
Personnel: E. Yurkanich
P. Brooks
Date: 10/9/09

Well ID: MW-6
Screen Interval: NA bgs
Depth to Water: 101.38 toc
Stickup: ~2.0
Depth of Pump Intake: 100.0 toc
Drawdown Set: NA toc

Arrive at Well: 815
Start Time: 827
Sample Time: No Sample
Finish Sample Time: —
Leave Well: 858

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
- Could not low-flow well							
- Placed pump on bottom of well, could not record drawdown because water level was below top of pump							
- Turned pump on for 15 min, no water reached the surface							
- Well does not recharge							
- Pulled pump, water observed in tubing							
~Checked DTW, well dry							

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: N/A

Comments: Could not record drawdown because water level below top of pump

Sample name:

Sampling Technician Name:

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co Operating LF
Project Number: 2313.1202
Personnel: E. Yurkovich
P. Brooks
Date: 10/9/09

Well ID: MW-6R
Screen Interval: 10 - 25 bgs
Depth to Water: 8.20 toc
Stickup: 0
Depth of Pump Intake: 18 toc
Drawdown Set: 8.50 toc

Arrive at Well: 1120
Start Time: 1134
Sample Time: 1158
Finish Sample Time: 1201
Leave Well: 1220

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1137	8.50	18.65	6.48	119	130.1	11.75	106.5
1140	8.50	17.60	6.32	119	146.3	9.43	216.2
1143	8.50	17.29	6.28	118	151.2	8.87	182.8
1146	8.50	17.15	6.29	118	153.2	8.63	221.6
1149	8.50	17.15	6.25	118	153.6	8.51	257.7
1152	8.50	17.14	6.25	118	152.2	8.22	209.7
1155	8.50	17.24	6.23	118	151.0	8.40	198.0
1158	8.50	17.19	6.24	118	149.1	8.37	287.3

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 secs @ 3GPM

Comments: Well recharges quickly
Purged 1.25 gallons

Sample name: MW-6R

Sampling Technician Name: Evan Yurkovich

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co Operating LF
Project Number: 2313.1202
Personnel: E. Yurkovich, P. Brooks
Date: 10/8/09

Well ID: MW-7R
Screen Interval: 26-41 bgs
Depth to Water: 30.18 toc
Stickup: 3.0
Depth of Pump Intake: 37 toc
Drawdown Set: 32.18 toc

Arrive at Well: 1057
Start Time: 1110
Sample Time: 1134
Finish Sample Time: 1146
Leave Well: 1200

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1113	30.95	16.21	6.48	042	139.0	15.06	7.56
1116	31.18	15.67	6.16	042	161.7	13.16	31.93
1119	31.18	16.08	6.05	041	171.2	12.67	40.80
1122	31.18	16.05	6.06	041	169.4	13.14	29.73
1125	32.18	15.28	6.01	042	175.4	12.81	63.87
1128	32.18	15.55	6.00	042	176.5	12.82	90.84
1131	32.18	16.35	6.05	042	173.7	12.23	99.96
1134	32.18	16.71	6.06	042	173.2	12.01	86.63

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: 120 Secs

Comments: Well recharges very slow
Slightly turbid
Purge 0.75 gallons

Sample name: MW-7R

Sampling Technician Name: Evan Yurkovich

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co. Operating LF
Project Number: 2313.1202
Personnel: E-Yurkovich, P. Brooks
Date: 10/8/09

Well ID: MW-8
Screen Interval: 16 to 26 bgs
Depth to Water: 21.30 toc
Stickup: 4.0
Depth of Pump Intake: 26 toc
Drawdown Set: 23.30 toc

Arrive at Well: 955
Start Time: 1006
Sample Time: 1035
Finish Sample Time: 1045
Leave Well: 1056

Time	DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1008	21.60	14.47	6.27	140	102.8	11.39	5.48
1011	(22.00 ~~14.60~~)	14.60	6.16	141	129.2	10.07	7.94
1014	22.30	14.24	6.13	140	140.0	10.15	5.80
1017	22.30	14.52	6.13	140	144.9	9.96	5.26
1020	22.30	14.71	6.17	140	145.3	9.88	4.35
1023	23.00	14.35	6.17	141	147.6	9.78	4.69
1026	23.30	14.31	6.13	140	150.9	9.51	5.27
1029	23.30	14.68	6.15	138	153.7	~~10.50~~ 9.54	6.68
1032	23.30	15.05	6.19	137	152.8	9.41	7.29
1035	23.30	15.30	6.18	137	152.8	9.41	6.58

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 Secs

Comments: Well recharges slow
Purge 1.5 gallons

Sample name: MW-8

Sampling Technician Name: Evan Yurkovich

Signature:

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Low-Flow Sampling Data Sheet

Project Name: Madison Co Operating LF
Project Number: 2313.1202
Personnel: E. Yurkovich
P. Brooks
Date: 10/9/09

Well ID: MW-9
Screen Interval: 12.4 to 22.4 bgs
Depth to Water: 7.73 toc
Stickup: 2.8
Depth of Pump Intake: 18.4 toc
Drawdown Set: 9.73 toc

Arrive at Well: 1014
Start Time: 1030
Sample Time: 1057
Finish Sample Time: 1101
Leave Well: 1117

Time	(PB) DTW (feet)	Temp (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Turbidity NTU
1033	(8.03 ~~[illegible]~~	17.40	6.55	131	134.9	8.32	30.37
1036	8.73	16.45	6.38	131	145.3	5.73	25.78
1039	9.53	15.92	6.34	130	147.2	4.69	18.30
1042	9.73	16.04	6.31	130	146.8	4.68	18.82
1045	9.73	16.26	6.34	130	146.4	4.62	19.63
1048	9.73	16.45	6.32	130	144.0	4.86	12.10
1051	9.73	16.45	6.32	130	141.1	4.59	6.65
1054	9.73	16.30	6.31	130	138.6	4.66	5.58
1057	9.73	16.32	6.31	131	135.2	4.80	2.28

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: 30 secs @ 3CPM

Comments: Well recharges quickly
Purge 1.5 gallons

Sample name: MW-9

Sampling Technician Name: Evan Yurkovich

Signature:

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Sampling Log

FACILITY NAME: Madison Co. Operating LF
DATE: 10/9/09
LOCATION: Marshall, NC
SAMPLING TIME: 1255
SAMPLING PERSONNEL: E. Yurkanan | P. Brooks
WEATHER: P. Cloudy 70°

SAMPLE NAME: LP-1

START TIME: 1239
END TIME: 1305

COMMENTS: Sample collected from Leachate Pond in NW Section of pond

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

READING	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	9.48	1054	24.18	18.40	8.9	296.9	
2							
3							
4							
5							
6							
7							
8							
9							

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
125 ml PLASTIC	4	COD, Total Phosphorus, Nitrate, Sulfate
250 ml PLASTIC	1	Appendix I Metals
500 ml PLASTIC		
40 ml GLASS	3	Appendix I VOCs
1 L GLASS	1	BOD
OTHER		

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] **Date:** 10/9/09

Notes: µS = micro-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: 10/9/09
LOCATION: Marshall, NC
SAMPLING TIME: 1230
SAMPLING PERSONNEL: E. Yurkovich / P. Brooks
WEATHER: P.Cloudy 70°

SAMPLE NAME: SW-1

START TIME: 1225
END TIME: 1235

COMMENTS: Upstream Surface water Sample
- Orangish suspended solids observed in water

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

READING	pH UNITS	SPECIFIC COND. (mS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.26	133	18.31	2.66	76.0	227.6	orange suspended solids
2							
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
1 L GLASS		
OTHER		

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] **Date:** 10/9/09

Notes: mS = milli-Siemen per cubic centimeter
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: 10/8/09
LOCATION: Marshall, NC
SAMPLING TIME: 945
SAMPLING PERSONNEL: E. Yarkovich | P. Brooks
WEATHER: Clear, Sunny 60°

SAMPLE NAME: SW-2R

START TIME: 939
END TIME: 952

COMMENTS: Downstream surface water sample
-Taken upstream of pond

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

READING	pH UNITS	SPECIFIC COND. (mS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.10	095	13.39	14.50	70.0	14.91	
2							
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
1 L GLASS		
OTHER		

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: [signature] **Date:** 10/8/09

Notes: mS = milli-Siemen per cubic centimeter
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 Co. Operating Landfill
Project Number: 2313.01202
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: E. Yurkovich
Date of Calibration: 10/8/09
Date of Field Measurements: 10/8/09

Micro TPW Turbidity Meter

Calibration Time	Calib Standard Exp	Instrument Serial #	Instrument Reading		
			1000 NTU	10.0 NTU	0.02 NTU
		200601045	Initial: Cal:	Initial: Cal:	Initial: Cal:

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	QC 84 µS	ORP 200 mV
705	March 2010	07D100979	Initial: 6.94 Cal: 7.00	Initial: 3.94 Cal: 4.00	Initial: 10.17 Cal: 10.01	Meas: 7.00	Initial: 453 Cal: 447	Meas: 85	Initial: 201.5 Cal: 200.0
			Initial: Cal:	Initial: Cal:	Initial: Cal:	Meas:	Initial: Cal:	Meas:	Initial: Cal:

Comments:

Signature and Date: 10/8/09

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.

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Madison Co. Operating Landfill
Project Number: 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: E. Yurkovich
Date of Calibration: 10/9/09
Date of Field Measurements: 10/9/09

Micro TPW Turbidity Meter

Calibration Time	Calib Standard Exp	Instrument Serial #	Instrument Reading		
			1000 NTU	10.0 NTU	0.02 NTU
		200601045	Initial: Cal:	Initial: Cal:	Initial: Cal:

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	QC 84 µS	ORP 200 mV
702	March 2010	07D100979	Initial: 6.82 Cal: 7.00	Initial: 4.32 Cal: 4.00	Initial: 10.34 Cal: 10.01	Meas: 6.99	Initial: 328 Cal: 447	Meas: 84	Initial: 194.8 Cal: 200.0
			Initial: Cal:	Initial: Cal:	Initial: Cal:	Meas:	Initial: Cal:	Meas:	Initial: Cal:

Comments:

Signature and Date: 10/9/09

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

Pace Analytical Services, Inc.
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October 26, 2009

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

RE: Project: Madison Co. Operating LF
Pace Project No.: 9254936

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 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

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Minnesota Certification IDs

Tennessee Certification #: 02818
Alaska Certification #: UST-078
Wisconsin Certification #: 999407970
Pennsylvania Certification #: 68-00563
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
Washington Certification #: C754

Charlotte Certification IDs

Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357
South Carolina Drinking Water Cert. #: 990060003
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
South Carolina Certification #: 990060001

Asheville Certification IDs

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

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SAMPLE SUMMARY

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9254936001	**MW-1**	Water	10/08/09 09:08	10/09/09 14:00
9254936002	**MW-2**	Water	10/08/09 15:02	10/09/09 14:00
9254936003	**MW-3**	Water	10/08/09 12:56	10/09/09 14:00
9254936004	**MW-4**	Water	10/08/09 13:49	10/09/09 14:00
9254936005	**MW-5**	Water	10/09/09 09:41	10/09/09 14:00
9254936006	**MW-6R**	Water	10/09/09 11:58	10/09/09 14:00
9254936007	**MW-7R**	Water	10/08/09 11:34	10/09/09 14:00
9254936008	**MW-8**	Water	10/08/09 10:35	10/09/09 14:00
9254936009	**MW-9**	Water	10/09/09 10:57	10/09/09 14:00
9254936010	**SW-1**	Water	10/09/09 12:30	10/09/09 14:00
9254936011	**SW-2R**	Water	10/08/09 09:45	10/09/09 14:00
9254936012	**LP-1**	Water	10/09/09 12:55	10/09/09 14:00
9254936013	**Trip Blank**	Water	10/09/09 00:00	10/09/09 14:00

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9254936001	**MW-1**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936002	**MW-2**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936003	**MW-3**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936004	**MW-4**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936005	**MW-5**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936006	**MW-6R**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936007	**MW-7R**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936008	**MW-8**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936009	**MW-9**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936010	**SW-1**	EPA 200.8	CR1	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936011	**SW-2R**	EPA 200.8	CR1	1	PASI-M
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
9254936012	**LP-1**	ASTM D516-90	TEE	1	PASI-A
		EPA 200.8	CR1	1	PASI-M
		EPA 353.2	DMN	1	PASI-A
		EPA 365.1	TEE	1	PASI-A
		EPA 6010	JMW	14	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	AW	53	PASI-C
		SM 5210B	DMN	1	PASI-A
		SM 5220D	JDA	1	PASI-A
9254936013	**Trip Blank**	EPA 8260	AW	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-1 **Lab ID: 9254936001** Collected: 10/08/09 09:08 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 22:24	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 22:24	7440-38-2	
Barium	**74.5**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:24	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 22:24	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 22:24	7440-43-9	
Chromium	**0.69J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 22:24	7440-47-3	
Cobalt	**6.5**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 22:24	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 22:24	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 22:24	7439-92-1	
Nickel	**5.6**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 22:24	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 22:24	7782-49-2	
Silver	**0.13J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 22:24	7440-22-4	
Vanadium	**0.58J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:24	7440-62-2	
Zinc	**5.8J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 22:24	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 16:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/12/09 15:30	10/13/09 11:58	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 19:21	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 19:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 19:21	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 19:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 19:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 19:21	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 19:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 19:21	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 19:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 19:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 19:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 19:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 19:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 19:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 19:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 19:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 19:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 19:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 19:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 19:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 19:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 19:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 19:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 19:21	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-1 **Lab ID: 9254936001** Collected: 10/08/09 09:08 Received: 10/09/09 14:00 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		10/17/09 19:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 19:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 19:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 19:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 19:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 19:21	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 19:21	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 19:21	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 19:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 19:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 19:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 19:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 19:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 19:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 19:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 19:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 19:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 19:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 19:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 19:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 19:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 19:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 19:21	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 19:21	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		10/17/09 19:21	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		10/17/09 19:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		10/17/09 19:21	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		10/17/09 19:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-2 **Lab ID: 9254936002** Collected: 10/08/09 15:02 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 22:28	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 22:28	7440-38-2	
Barium	**171**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:28	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 22:28	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 22:28	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 22:28	7440-47-3	
Cobalt	**26.5**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 22:28	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 22:28	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 22:28	7439-92-1	
Nickel	**8.2**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 22:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 22:28	7782-49-2	
Silver	**0.44J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 22:28	7440-22-4	
Vanadium	**1.1J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:28	7440-62-2	
Zinc	**16.7**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 22:28	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 16:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/12/09 15:30	10/13/09 12:01	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 19:45	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 19:45	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 19:45	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 19:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 19:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 19:45	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 19:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 19:45	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 19:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 19:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 19:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 19:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 19:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 19:45	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 19:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 19:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 19:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 19:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 19:45	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 19:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 19:45	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 19:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 19:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 19:45	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-2 **Lab ID: 9254936002** Collected: 10/08/09 15:02 Received: 10/09/09 14:00 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		10/17/09 19:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 19:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 19:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 19:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 19:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 19:45	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 19:45	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 19:45	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 19:45	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 19:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 19:45	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 19:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 19:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 19:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 19:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 19:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 19:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 19:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 19:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 19:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 19:45	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 19:45	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		10/17/09 19:45	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		10/17/09 19:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		10/17/09 19:45	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		10/17/09 19:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-3 **Lab ID: 9254936003** Collected: 10/08/09 12:56 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 22:32	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 22:32	7440-38-2	
Barium	**216**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:32	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 22:32	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 22:32	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 22:32	7440-47-3	
Cobalt	**78.0**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 22:32	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 22:32	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 22:32	7439-92-1	
Nickel	**4.6J**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 22:32	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 22:32	7782-49-2	
Silver	**0.87J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 22:32	7440-22-4	
Vanadium	**0.33J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:32	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 22:32	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 16:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/12/09 15:30	10/13/09 12:03	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 20:09	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 20:09	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 20:09	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 20:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 20:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 20:09	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 20:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 20:09	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 20:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 20:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 20:09	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 20:09	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 20:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 20:09	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 20:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 20:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 20:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 20:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 20:09	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 20:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 20:09	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 20:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 20:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 20:09	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-3 **Lab ID: 9254936003** Collected: 10/08/09 12:56 Received: 10/09/09 14:00 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		10/17/09 20:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 20:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 20:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 20:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 20:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 20:09	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 20:09	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 20:09	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 20:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 20:09	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 20:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 20:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 20:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 20:09	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 20:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 20:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 20:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 20:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 20:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 20:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 20:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 20:09	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 20:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 20:09	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 20:09	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		10/17/09 20:09	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		10/17/09 20:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	79-120		1		10/17/09 20:09	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		10/17/09 20:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-4 **Lab ID: 9254936004** Collected: 10/08/09 13:49 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 22:37	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 22:37	7440-38-2	
Barium	**122**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:37	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 22:37	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 22:37	7440-43-9	
Chromium	**0.87J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 22:37	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 22:37	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 22:37	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 22:37	7439-92-1	
Nickel	**1.9J**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 22:37	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 22:37	7782-49-2	
Silver	**0.20J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 22:37	7440-22-4	
Vanadium	**5.5**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:37	7440-62-2	
Zinc	**1.5J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 22:37	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 16:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/12/09 15:30	10/13/09 12:06	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 20:33	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 20:33	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 20:33	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 20:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 20:33	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 20:33	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 20:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 20:33	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 20:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 20:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 20:33	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 20:33	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 20:33	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 20:33	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 20:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 20:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 20:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 20:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 20:33	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 20:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 20:33	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 20:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 20:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 20:33	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-4 **Lab ID: 9254936004** Collected: 10/08/09 13:49 Received: 10/09/09 14:00 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		10/17/09 20:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 20:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 20:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 20:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 20:33	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 20:33	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 20:33	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 20:33	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 20:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 20:33	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 20:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 20:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 20:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 20:33	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 20:33	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 20:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 20:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 20:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 20:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 20:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 20:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 20:33	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 20:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 20:33	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 20:33	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		10/17/09 20:33	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		10/17/09 20:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		10/17/09 20:33	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 20:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-5 **Lab ID: 9254936005** Collected: 10/09/09 09:41 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 22:52	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 22:52	7440-38-2	
Barium	**72.8**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:52	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 22:52	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 22:52	7440-43-9	
Chromium	**1.1J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 22:52	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 22:52	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 22:52	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 22:52	7439-92-1	
Nickel	**4.8J**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 22:52	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 22:52	7782-49-2	
Silver	**0.21J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 22:52	7440-22-4	
Vanadium	**4.2J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:52	7440-62-2	
Zinc	**0.46J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 22:52	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 16:49	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 12:40	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 20:56	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 20:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 20:56	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 20:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 20:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 20:56	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 20:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 20:56	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 20:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 20:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 20:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 20:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 20:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 20:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 20:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 20:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 20:56	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 20:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 20:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 20:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 20:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 20:56	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-5 **Lab ID: 9254936005** Collected: 10/09/09 09:41 Received: 10/09/09 14:00 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		10/17/09 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 20:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 20:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 20:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 20:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 20:56	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 20:56	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 20:56	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 20:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 20:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 20:56	127-18-4	
Toluene	**0.59J**	ug/L	1.0	0.26	1		10/17/09 20:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 20:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 20:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 20:56	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 20:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 20:56	75-01-4	
Xylene (Total)	**1.2J**	ug/L	2.0	0.66	1		10/17/09 20:56	1330-20-7	
m&p-Xylene	**0.85J**	ug/L	2.0	0.66	1		10/17/09 20:56	1330-20-7	
o-Xylene	**0.34J**	ug/L	1.0	0.23	1		10/17/09 20:56	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		10/17/09 20:56	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		10/17/09 20:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		10/17/09 20:56	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		10/17/09 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-6R **Lab ID: 9254936006** Collected: 10/09/09 11:58 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 22:56	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 22:56	7440-38-2	
Barium	**200**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:56	7440-39-3	
Beryllium	**0.22J**	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 22:56	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 22:56	7440-43-9	
Chromium	**6.0**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 22:56	7440-47-3	
Cobalt	**9.6**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 22:56	7440-48-4	
Copper	**3.9J**	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 22:56	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 22:56	7439-92-1	
Nickel	**22.1**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 22:56	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 22:56	7782-49-2	
Silver	**0.25J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 22:56	7440-22-4	
Vanadium	**22.5**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 22:56	7440-62-2	
Zinc	**29.3**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 22:56	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 16:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 12:42	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 21:20	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 21:20	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 21:20	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 21:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 21:20	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 21:20	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 21:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 21:20	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 21:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 21:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 21:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 21:20	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 21:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 21:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 21:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 21:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 21:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 21:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 21:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 21:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 21:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 21:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 21:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 21:20	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-6R **Lab ID: 9254936006** Collected: 10/09/09 11:58 Received: 10/09/09 14:00 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		10/17/09 21:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 21:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 21:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 21:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 21:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 21:20	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 21:20	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 21:20	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 21:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 21:20	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 21:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 21:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 21:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 21:20	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 21:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 21:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 21:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 21:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 21:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 21:20	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 21:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 21:20	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 21:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 21:20	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 21:20	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		10/17/09 21:20	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		10/17/09 21:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		10/17/09 21:20	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 21:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-7R **Lab ID: 9254936007** Collected: 10/08/09 11:34 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 23:00	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 23:00	7440-38-2	
Barium	**137**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:00	7440-39-3	
Beryllium	**0.30J**	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 23:00	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 23:00	7440-43-9	
Chromium	**5.2**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 23:00	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 23:00	7440-48-4	
Copper	**0.82J**	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 23:00	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 23:00	7439-92-1	
Nickel	**3.1J**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 23:00	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 23:00	7782-49-2	
Silver	**0.25J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 23:00	7440-22-4	
Vanadium	**7.5**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:00	7440-62-2	
Zinc	**13.5**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 23:00	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 17:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 12:45	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 21:44	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 21:44	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 21:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 21:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 21:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 21:44	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 21:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 21:44	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 21:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 21:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 21:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 21:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 21:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 21:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 21:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 21:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 21:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 21:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 21:44	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 21:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 21:44	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 21:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 21:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 21:44	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-7R **Lab ID: 9254936007** Collected: 10/08/09 11:34 Received: 10/09/09 14:00 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		10/17/09 21:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 21:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 21:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 21:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 21:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 21:44	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 21:44	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 21:44	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 21:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 21:44	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 21:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 21:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 21:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 21:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 21:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 21:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 21:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 21:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 21:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 21:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 21:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 21:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 21:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 21:44	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 21:44	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		10/17/09 21:44	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		10/17/09 21:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		10/17/09 21:44	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		10/17/09 21:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-8 **Lab ID: 9254936008** Collected: 10/08/09 10:35 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 23:04	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 23:04	7440-38-2	
Barium	**34.4**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:04	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 23:04	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 23:04	7440-43-9	
Chromium	**1.8J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 23:04	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 23:04	7440-48-4	
Copper	**0.81J**	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 23:04	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 23:04	7439-92-1	
Nickel	**5.4**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 23:04	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 23:04	7782-49-2	
Silver	**0.17J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 23:04	7440-22-4	
Vanadium	**6.5**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:04	7440-62-2	
Zinc	**1.4J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 23:04	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 17:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 12:52	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 22:08	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 22:08	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 22:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 22:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 22:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 22:08	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 22:08	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 22:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 22:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 22:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 22:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 22:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 22:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 22:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 22:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 22:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 22:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 22:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 22:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 22:08	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-8 **Lab ID: 9254936008** Collected: 10/08/09 10:35 Received: 10/09/09 14:00 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		10/17/09 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 22:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 22:08	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 22:08	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 22:08	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 22:08	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 22:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 22:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 22:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 22:08	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 22:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 22:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 22:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 22:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 22:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 22:08	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 22:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 22:08	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 22:08	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		10/17/09 22:08	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		10/17/09 22:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		10/17/09 22:08	17060-07-0	
Toluene-d8 (S)	104	%	70-120		1		10/17/09 22:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-9 **Lab ID: 9254936009** Collected: 10/09/09 10:57 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 23:08	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 23:08	7440-38-2	
Barium	**120**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:08	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 23:08	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 23:08	7440-43-9	
Chromium	**0.67J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 23:08	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 23:08	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 23:08	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 23:08	7439-92-1	
Nickel	**3.8J**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 23:08	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 23:08	7782-49-2	
Silver	**0.14J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 23:08	7440-22-4	
Vanadium	**2.0J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:08	7440-62-2	
Zinc	**3.0J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 23:08	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 17:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 12:55	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 22:32	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 22:32	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 22:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 22:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 22:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 22:32	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 22:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 22:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 22:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 22:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 22:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 22:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 22:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 22:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 22:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 22:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 22:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 22:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 22:32	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 22:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 22:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 22:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 22:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 22:32	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: MW-9 **Lab ID: 9254936009** Collected: 10/09/09 10:57 Received: 10/09/09 14:00 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		10/17/09 22:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 22:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 22:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 22:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 22:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 22:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 22:32	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 22:32	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 22:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 22:32	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 22:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 22:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 22:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 22:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 22:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 22:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 22:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 22:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 22:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 22:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 22:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 22:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 22:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 22:32	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 22:32	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		10/17/09 22:32	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		10/17/09 22:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		10/17/09 22:32	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 22:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: SW-1 **Lab ID: 9254936010** Collected: 10/09/09 12:30 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 23:12	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 23:12	7440-38-2	
Barium	**116**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:12	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 23:12	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 23:12	7440-43-9	
Chromium	**0.74J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 23:12	7440-47-3	
Cobalt	**16.5**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 23:12	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 23:12	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 23:12	7439-92-1	
Nickel	**2.5J**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 23:12	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 23:12	7782-49-2	
Silver	**0.11J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 23:12	7440-22-4	
Vanadium	**2.8J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:12	7440-62-2	
Zinc	**14.8**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 23:12	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 17:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 12:57	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 22:56	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 22:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 22:56	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 22:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 22:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 22:56	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 22:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 22:56	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 22:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 22:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 22:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 22:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 22:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 22:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 22:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 22:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 22:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 22:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 22:56	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 22:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 22:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 22:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 22:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 22:56	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: SW-1 **Lab ID: 9254936010** Collected: 10/09/09 12:30 Received: 10/09/09 14:00 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		10/17/09 22:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 22:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 22:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 22:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 22:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 22:56	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 22:56	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 22:56	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 22:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 22:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 22:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 22:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 22:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 22:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 22:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 22:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 22:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 22:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 22:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 22:56	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 22:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 22:56	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 22:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 22:56	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 22:56	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		10/17/09 22:56	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		10/17/09 22:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		10/17/09 22:56	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 22:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: SW-2R **Lab ID: 9254936011** Collected: 10/08/09 09:45 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 23:16	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 23:16	7440-38-2	
Barium	**65.0**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:16	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 23:16	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 23:16	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 23:16	7440-47-3	
Cobalt	**1.2J**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 23:16	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 23:16	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 23:16	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 23:16	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 23:16	7782-49-2	
Silver	**0.16J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 23:16	7440-22-4	
Vanadium	**2.4J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:16	7440-62-2	
Zinc	**2.7J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 23:16	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 17:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 13:00	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 23:20	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 23:20	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 23:20	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 23:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 23:20	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 23:20	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 23:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 23:20	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 23:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 23:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 23:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 23:20	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 23:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 23:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 23:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 23:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 23:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 23:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 23:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 23:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 23:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 23:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 23:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 23:20	75-35-4	

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(828)254-7176

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

ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: SW-2R **Lab ID: 9254936011** Collected: 10/08/09 09:45 Received: 10/09/09 14:00 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		10/17/09 23:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 23:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 23:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 23:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 23:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 23:20	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 23:20	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 23:20	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 23:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 23:20	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 23:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 23:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 23:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 23:20	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 23:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 23:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 23:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 23:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 23:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 23:20	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 23:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 23:20	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 23:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 23:20	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 23:20	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		10/17/09 23:20	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		10/17/09 23:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		10/17/09 23:20	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 23:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: LP-1 **Lab ID: 9254936012** Collected: 10/09/09 12:55 Received: 10/09/09 14:00 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	10/20/09 09:40	10/21/09 23:20	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	10/20/09 09:40	10/21/09 23:20	7440-38-2	
Barium	**26.7**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:20	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	10/20/09 09:40	10/21/09 23:20	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	10/20/09 09:40	10/21/09 23:20	7440-43-9	
Chromium	**0.87J**	ug/L	5.0	0.40	1	10/20/09 09:40	10/21/09 23:20	7440-47-3	
Cobalt	**1.9J**	ug/L	5.0	0.60	1	10/20/09 09:40	10/21/09 23:20	7440-48-4	
Copper	**0.93J**	ug/L	5.0	0.30	1	10/20/09 09:40	10/21/09 23:20	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	10/20/09 09:40	10/21/09 23:20	7439-92-1	
Nickel	**13.6**	ug/L	5.0	1.7	1	10/20/09 09:40	10/21/09 23:20	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	10/20/09 09:40	10/21/09 23:20	7782-49-2	
Silver	**0.11J**	ug/L	5.0	0.10	1	10/20/09 09:40	10/21/09 23:20	7440-22-4	
Vanadium	**4.2J**	ug/L	5.0	0.20	1	10/20/09 09:40	10/21/09 23:20	7440-62-2	
Zinc	**6.7J**	ug/L	10.0	0.40	1	10/20/09 09:40	10/21/09 23:20	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.50	0.25	1	10/20/09 15:48	10/21/09 17:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	10/13/09 13:00	10/14/09 13:02	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 23:44	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 23:44	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 23:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 23:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 23:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 23:44	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 23:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 23:44	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 23:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 23:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 23:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 23:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 23:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 23:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 23:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 23:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 23:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 23:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 23:44	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 23:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 23:44	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 23:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 23:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 23:44	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: LP-1 **Lab ID: 9254936012** Collected: 10/09/09 12:55 Received: 10/09/09 14:00 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		10/17/09 23:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 23:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 23:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 23:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 23:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 23:44	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 23:44	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 23:44	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 23:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 23:44	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 23:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 23:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 23:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 23:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 23:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 23:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 23:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 23:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 23:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 23:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 23:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 23:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 23:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 23:44	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 23:44	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		10/17/09 23:44	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		10/17/09 23:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120		1		10/17/09 23:44	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 23:44	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**37.6**	mg/L	2.0	2.0	1	10/09/09 19:35	10/14/09 15:35		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	mg/L	0.10	0.10	1		10/09/09 22:23		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**0.29**	mg/L	0.10	0.10	1		10/19/09 13:46	7723-14-0	M0
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**350**	mg/L	25.0	25.0	1		10/20/09 09:20		
ASTM D516-90 Sulfate Water	Analytical Method: ASTM D516-90								
Sulfate	ND	mg/L	5.0	5.0	1		10/14/09 19:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: Trip Blank **Lab ID: 9254936013** Collected: 10/09/09 00:00 Received: 10/09/09 14:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/17/09 17:45	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/17/09 17:45	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/17/09 17:45	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/17/09 17:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/17/09 17:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/17/09 17:45	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		10/17/09 17:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/17/09 17:45	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/17/09 17:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/17/09 17:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/17/09 17:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/17/09 17:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/17/09 17:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/17/09 17:45	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		10/17/09 17:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/17/09 17:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/17/09 17:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/17/09 17:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/17/09 17:45	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/17/09 17:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/17/09 17:45	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/17/09 17:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/17/09 17:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/17/09 17:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/17/09 17:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/17/09 17:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/17/09 17:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/17/09 17:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/17/09 17:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/17/09 17:45	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/17/09 17:45	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/17/09 17:45	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		10/17/09 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/17/09 17:45	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/17/09 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/17/09 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/17/09 17:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/17/09 17:45	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/17/09 17:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/17/09 17:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/17/09 17:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/17/09 17:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/17/09 17:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/17/09 17:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/17/09 17:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/17/09 17:45	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

Sample: Trip Blank **Lab ID: 9254936013** Collected: 10/09/09 00:00 Received: 10/09/09 14:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Xylene (Total)	ND	ug/L	2.0	0.66	1		10/17/09 17:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/17/09 17:45	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		10/17/09 17:45	95-47-6	
4-Bromofluorobenzene (S)	107	%	87-109		1		10/17/09 17:45	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		10/17/09 17:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		10/17/09 17:45	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		10/17/09 17:45	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: WETA/6036
QC Batch Method: ASTM D516-90
Analysis Method: ASTM D516-90
Analysis Description: ASTM D516-90 Sulfate Water
Associated Lab Samples: 9254936012

METHOD BLANK: 350894
Matrix: Water
Associated Lab Samples: 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	10/14/09 19:43	

LABORATORY CONTROL SAMPLE: 350895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.9	105	90-110	

MATRIX SPIKE SAMPLE: 350896

Parameter	Units	9254566002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	46.0	20	65.6	98	75-125	

SAMPLE DUPLICATE: 350897

Parameter	Units	9254698005 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	251	257	3	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: MPRP/5233 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012

METHOD BLANK: 352906 — Matrix: Water
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	10/21/09 22:17	
Arsenic	ug/L	ND	5.0	10/21/09 22:17	
Barium	ug/L	ND	5.0	10/21/09 22:17	
Beryllium	ug/L	ND	1.0	10/21/09 22:17	
Cadmium	ug/L	ND	1.0	10/21/09 22:17	
Chromium	ug/L	ND	5.0	10/21/09 22:17	
Cobalt	ug/L	ND	5.0	10/21/09 22:17	
Copper	ug/L	ND	5.0	10/21/09 22:17	
Lead	ug/L	ND	5.0	10/21/09 22:17	
Nickel	ug/L	ND	5.0	10/21/09 22:17	
Selenium	ug/L	ND	10.0	10/21/09 22:17	
Silver	ug/L	ND	5.0	10/21/09 22:17	
Vanadium	ug/L	0.20J	5.0	10/21/09 22:17	
Zinc	ug/L	1.9J	10.0	10/21/09 22:17	

LABORATORY CONTROL SAMPLE: 352907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	485	97	80-120	
Arsenic	ug/L	500	469	94	80-120	
Barium	ug/L	500	477	95	80-120	
Beryllium	ug/L	500	495	99	80-120	
Cadmium	ug/L	500	474	95	80-120	
Chromium	ug/L	500	476	95	80-120	
Cobalt	ug/L	500	486	97	80-120	
Copper	ug/L	500	474	95	80-120	
Lead	ug/L	500	481	96	80-120	
Nickel	ug/L	500	480	96	80-120	
Selenium	ug/L	500	465	93	80-120	
Silver	ug/L	250	240	96	80-120	
Vanadium	ug/L	500	473	95	80-120	
Zinc	ug/L	500	480	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 352908 352909

Parameter	Units	9254956001 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	466	464	93	93	75-125	0	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 352908 352909

Parameter	Units	9254956001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	2.9J	500	500	477	474	95	94	75-125	1	25	
Barium	ug/L	77.9J	500	500	545	545	93	93	75-125	0	25	
Beryllium	ug/L	0.38J	500	500	498	496	100	99	75-125	0	25	
Cadmium	ug/L	ND	500	500	467	466	93	93	75-125	0	25	
Chromium	ug/L	16.5	500	500	493	491	95	95	75-125	0	25	
Cobalt	ug/L	6.3J	500	500	477	477	94	94	75-125	0	25	
Copper	ug/L	11.4	500	500	495	494	97	97	75-125	0	25	
Lead	ug/L	ND	500	500	462	460	92	92	75-125	0	25	
Nickel	ug/L	14.8J	500	500	489	489	95	95	75-125	0	25	
Selenium	ug/L	ND	500	500	466	464	93	93	75-125	0	25	
Silver	ug/L	0.51J	250	250	241	240	96	96	75-125	0	25	
Vanadium	ug/L	25.9	500	500	498	497	94	94	75-125	0	25	
Zinc	ug/L	19.6	500	500	511	499	98	96	75-125	2	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: MERP/2432 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004

METHOD BLANK: 349329 Matrix: Water
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/13/09 10:52	

LABORATORY CONTROL SAMPLE: 349330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 349331 349332

Parameter	Units	9254366008 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	2.4	98	94	75-125	4	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 349333 349334

Parameter	Units	9254667006 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	2.4	2.3	93	91	75-125	2	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: MERP/2436 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012

METHOD BLANK: 349371 Matrix: Water
Associated Lab Samples: 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/14/09 12:35	

LABORATORY CONTROL SAMPLE: 349372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 349373 349374

Parameter	Units	9254956001 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	2.5	99	99	75-125	0	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: MSV/8678 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012, 9254936013

METHOD BLANK: 352625 Matrix: Water
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012, 9254936013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/17/09 15:45	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/17/09 15:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/17/09 15:45	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/17/09 15:45	
1,1-Dichloroethane	ug/L	ND	1.0	10/17/09 15:45	
1,1-Dichloroethene	ug/L	ND	1.0	10/17/09 15:45	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/17/09 15:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	10/17/09 15:45	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/17/09 15:45	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/17/09 15:45	
1,2-Dichloroethane	ug/L	ND	1.0	10/17/09 15:45	
1,2-Dichloropropane	ug/L	ND	1.0	10/17/09 15:45	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/17/09 15:45	
2-Butanone (MEK)	ug/L	ND	5.0	10/17/09 15:45	
2-Hexanone	ug/L	ND	5.0	10/17/09 15:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/17/09 15:45	
Acetone	ug/L	ND	25.0	10/17/09 15:45	
Acrylonitrile	ug/L	ND	10.0	10/17/09 15:45	
Benzene	ug/L	ND	1.0	10/17/09 15:45	
Bromochloromethane	ug/L	ND	1.0	10/17/09 15:45	
Bromodichloromethane	ug/L	ND	1.0	10/17/09 15:45	
Bromoform	ug/L	ND	1.0	10/17/09 15:45	
Bromomethane	ug/L	ND	5.0	10/17/09 15:45	
Carbon disulfide	ug/L	ND	2.0	10/17/09 15:45	
Carbon tetrachloride	ug/L	ND	1.0	10/17/09 15:45	
Chlorobenzene	ug/L	ND	1.0	10/17/09 15:45	
Chloroethane	ug/L	ND	1.0	10/17/09 15:45	
Chloroform	ug/L	ND	1.0	10/17/09 15:45	
Chloromethane	ug/L	ND	1.0	10/17/09 15:45	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/17/09 15:45	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/17/09 15:45	
Dibromochloromethane	ug/L	ND	1.0	10/17/09 15:45	
Dibromomethane	ug/L	ND	1.0	10/17/09 15:45	
Ethylbenzene	ug/L	ND	1.0	10/17/09 15:45	
Iodomethane	ug/L	ND	5.0	10/17/09 15:45	
m&p-Xylene	ug/L	ND	2.0	10/17/09 15:45	
Methylene Chloride	ug/L	ND	2.0	10/17/09 15:45	
o-Xylene	ug/L	ND	1.0	10/17/09 15:45	
Styrene	ug/L	ND	1.0	10/17/09 15:45	
Tetrachloroethene	ug/L	ND	1.0	10/17/09 15:45	
Toluene	ug/L	ND	1.0	10/17/09 15:45	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

METHOD BLANK: 352625 Matrix: Water

Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012, 9254936013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/17/09 15:45	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/17/09 15:45	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	10/17/09 15:45	
Trichloroethene	ug/L	ND	1.0	10/17/09 15:45	
Trichlorofluoromethane	ug/L	ND	1.0	10/17/09 15:45	
Vinyl acetate	ug/L	ND	2.0	10/17/09 15:45	
Vinyl chloride	ug/L	ND	1.0	10/17/09 15:45	
Xylene (Total)	ug/L	ND	2.0	10/17/09 15:45	
1,2-Dichloroethane-d4 (S)	%	100	79-120	10/17/09 15:45	
4-Bromofluorobenzene (S)	%	97	87-109	10/17/09 15:45	
Dibromofluoromethane (S)	%	98	85-115	10/17/09 15:45	
Toluene-d8 (S)	%	101	70-120	10/17/09 15:45	

LABORATORY CONTROL SAMPLE: 352626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.6	103	83-125	
1,1,1-Trichloroethane	ug/L	50	52.5	105	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	93	73-127	
1,1,2-Trichloroethane	ug/L	50	49.3	99	77-123	
1,1-Dichloroethane	ug/L	50	51.4	103	76-129	
1,1-Dichloroethene	ug/L	50	53.7	107	78-146	
1,2,3-Trichloropropane	ug/L	50	46.0	92	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.1	88	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	51.2	102	81-125	
1,2-Dichlorobenzene	ug/L	50	47.1	94	82-126	
1,2-Dichloroethane	ug/L	50	50.6	101	72-126	
1,2-Dichloropropane	ug/L	50	50.7	101	80-127	
1,4-Dichlorobenzene	ug/L	50	47.7	95	79-125	
2-Butanone (MEK)	ug/L	100	110	110	50-134	
2-Hexanone	ug/L	100	106	106	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.8	99	70-131	
Acetone	ug/L	100	139	139	50-146	
Acrylonitrile	ug/L	250	246	98	66-124	
Benzene	ug/L	50	49.1	98	78-128	
Bromochloromethane	ug/L	50	49.2	98	73-124	
Bromodichloromethane	ug/L	50	48.2	96	81-125	
Bromoform	ug/L	50	47.9	96	71-125	
Bromomethane	ug/L	50	54.1	108	50-150	
Carbon disulfide	ug/L	50	54.9	110	54-150	
Carbon tetrachloride	ug/L	50	53.0	106	81-137	
Chlorobenzene	ug/L	50	48.8	98	82-126	
Chloroethane	ug/L	50	54.8	110	69-140	
Chloroform	ug/L	50	50.4	101	77-129	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

LABORATORY CONTROL SAMPLE: 352626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	47.2	94	54-139	
cis-1,2-Dichloroethene	ug/L	50	52.2	104	76-133	
cis-1,3-Dichloropropene	ug/L	50	52.8	106	76-127	
Dibromochloromethane	ug/L	50	49.9	100	77-125	
Dibromomethane	ug/L	50	49.1	98	77-125	
Ethylbenzene	ug/L	50	50.6	101	80-127	
Iodomethane	ug/L	100	112	112	65-172	
m&p-Xylene	ug/L	100	106	106	82-127	
Methylene Chloride	ug/L	50	50.4	101	67-133	
o-Xylene	ug/L	50	50.6	101	83-124	
Styrene	ug/L	50	54.3	109	80-130	
Tetrachloroethene	ug/L	50	48.8	98	78-128	
Toluene	ug/L	50	47.8	96	76-126	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.8	104	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	52.3	105	51-140	
Trichloroethene	ug/L	50	52.9	106	79-127	
Trichlorofluoromethane	ug/L	50	54.5	109	76-148	
Vinyl acetate	ug/L	100	111	111	50-150	
Vinyl chloride	ug/L	50	51.8	104	67-143	
Xylene (Total)	ug/L	150	156	104	83-125	
1,2-Dichloroethane-d4 (S)	%			98	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			98	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 352708 352709

Parameter	Units	9254936001 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	66.9	67.6	134	135	60-150	1	30	
Benzene	ug/L	ND	50	50	57.5	58.3	115	117	74-136	1	30	
Chlorobenzene	ug/L	ND	50	50	55.6	54.8	111	110	79-135	1	30	
Toluene	ug/L	ND	50	50	57.5	55.9	115	112	73-131	3	30	
Trichloroethene	ug/L	ND	50	50	59.6	61.6	119	123	73-131	3	30	
1,2-Dichloroethane-d4 (S)	%						100	97	79-120			
4-Bromofluorobenzene (S)	%						100	95	87-109			
Dibromofluoromethane (S)	%						98	97	85-115			
Toluene-d8 (S)	%						100	99	70-120			

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: WETA/6002
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9254936012

METHOD BLANK: 349033
Matrix: Water
Associated Lab Samples: 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	10/09/09 21:47	

LABORATORY CONTROL SAMPLE: 349034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.1	101	90-110	

MATRIX SPIKE SAMPLE: 349035

Parameter	Units	9254907001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.3	105	90-110	

MATRIX SPIKE SAMPLE: 349036

Parameter	Units	9254907002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.0	101	90-110	

SAMPLE DUPLICATE: 349037

Parameter	Units	9254907005 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.38	0.40	5	20	

SAMPLE DUPLICATE: 349038

Parameter	Units	9254907003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	1.8	1.8	0	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: WET/10046
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 9254936012

METHOD BLANK: 348717
Matrix: Water
Associated Lab Samples: 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/14/09 15:35	

LABORATORY CONTROL SAMPLE: 348718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	192	97	84-115	

SAMPLE DUPLICATE: 348719

Parameter	Units	9254966001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	409	409	0	20	B2

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Asheville, NC 28804
(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.: 9254936

QC Batch: WETA/6054
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Phosphorus, Total
Associated Lab Samples: 9254936012

METHOD BLANK: 352237
Matrix: Water
Associated Lab Samples: 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	10/19/09 13:42	

LABORATORY CONTROL SAMPLE: 352238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1	0.94	94	90-110	

MATRIX SPIKE SAMPLE: 352239

Parameter	Units	9254935001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.9	1	2.8	90	90-110	

MATRIX SPIKE SAMPLE: 352240

Parameter	Units	9254936012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.29	1	1.1	78	90-110	M0

SAMPLE DUPLICATE: 352241

Parameter	Units	9255200001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	4.2	4.2	1	20	

SAMPLE DUPLICATE: 352242

Parameter	Units	9255269002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	11.9	11.9	1	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: ICPM/17862 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012

METHOD BLANK: 699150 Matrix: Water
Associated Lab Samples: 9254936001, 9254936002, 9254936003, 9254936004, 9254936005, 9254936006, 9254936007, 9254936008, 9254936009, 9254936010, 9254936011, 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.50	10/21/09 15:15	

LABORATORY CONTROL SAMPLE: 699151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	79.1	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 699152 699153

Parameter	Units	9254941002 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	81.3	77.8	102	97	70-130	4	20	

MATRIX SPIKE SAMPLE: 699154

Parameter	Units	9254936003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	80.1	100	70-130	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9254936

QC Batch: WETA/6071
QC Batch Method: SM 5220D
Analysis Method: SM 5220D
Analysis Description: 5220D COD
Associated Lab Samples: 9254936012

METHOD BLANK: 353132
Matrix: Water
Associated Lab Samples: 9254936012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	10/20/09 09:20	

LABORATORY CONTROL SAMPLE: 353133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	736	98	90-110	

MATRIX SPIKE SAMPLE: 353134

Parameter	Units	9254795001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	750	785	104	-131.646-283.	

MATRIX SPIKE SAMPLE: 353136

Parameter	Units	9255140002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	87.0	750	850	102	-131.646-283.	

SAMPLE DUPLICATE: 353135

Parameter	Units	9254805001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 353137

Parameter	Units	9255141001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	29.0	33.0	13	20	

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QUALIFIERS

Project: Madison Co. Operating LF
Pace Project No.: 9254936

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

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
M0	Matrix spike recovery and/or matrix spike duplicate 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: 1 of 2

1331001

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood Street
Asheville NC 28801
Email To: srymun@altamontenvironmental
Phone: 828-281-3350 Fax: 828-281-3357
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Stu Ryman
Copy To:
Purchase Order No.:
Project Name: Madison Co. Operating LF
Project Number: 2313.1202

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager: Lorri 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	App I VOCs	App I Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9254936
1	MW-1	WT	G			10/8/09	902	15	4			X	X					X	X		-001
2	MW-2	WT	G			10/8/09	1602	19	4			X	X					X	X		-002
3	MW-3	WT	G			10/8/09	1256	17	4			X	X					X	X		-003
4	MW-4	WT	G			10/8/09	1349	17	4			X	X					X	X		-004
5	MW-5	WT	G			10/9/09	941	17	4			X	X					X	X		-005
6	MW-6R	WT	G			10/9/09	1158	17	4			X	X					X	X		-006
7	MW-7R	WT	G			10/8/09	1134	17	4			X	X					X	X		-007
8	MW-8	WT	G			10/8/09	1035	15	4			X	X					X	X		-008
9	MW-9	WT	G			10/9/09	1057	16	4			X	X					X	X		-009
10	SW-1	WT	G			10/9/09	1230	18	4			X	X					X	X		-010
11	SW-2R	WT	G			10/8/09	945	13	4			X	X					X	X		-011
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOCs by 8260 Low Level	Evan Yurkovich / Altamont	10/9/09	1400	[signature]	10/9/09	1400	5.6	Y	N	Y
Include PQLs, qualifiers										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 10/9/09

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.

1331002

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood Street
Asheville NC 28801
Email To: srymon@altamontenvironmental.com
Phone: 828-281-3350 Fax: 828-281-3351
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Stu Ryman
Copy To:
Purchase Order No.:
Project Name: Madison Co Operating LF
Project Number: 2313.1202

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager: Lorri 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	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	Analysis Test (Y/N)	Appendix I VOCs	Appendix II Metals	BOD	COD	Total Phosphorus	Nitrate	Sulfate	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9254936
1	LP-1	WT	G			10/9/09	1255	24	9	X	X	X	X						X	X	X	X	X	X	X		012 ~~013~~
2	TRIP BLANK LAB	→							2				X						X								013 ~~014~~
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	Evan Yurkovich / Altamont	10/9/09	1400	[signature]	10/9/09	1400	5.6	Y	N	Y
Include PQLs, qualifiers										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/9/09

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.