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).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

Altamont Environmental, Inc.

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

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

E-mail: mvandussen@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Madison County Operating Solid Waste Facility	271 Craig Rudisill Road Marshall, NC 28714	58-03	.0500 & .1600	April 20 & 21, 2010

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, PG — Project Geologist — (828) 281-3350

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Signature — 7-14-10 Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

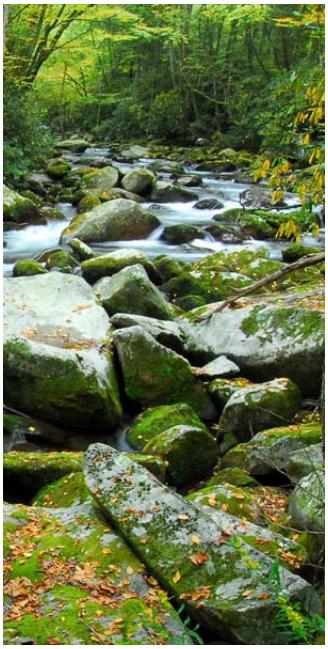
231 HAYWOOD STREET ASHEVILLE, NC 28801

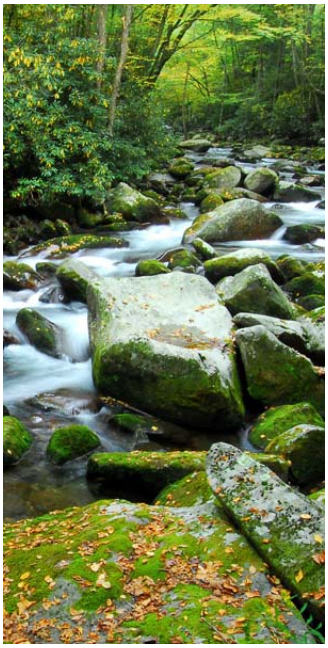
Facility Representative Address

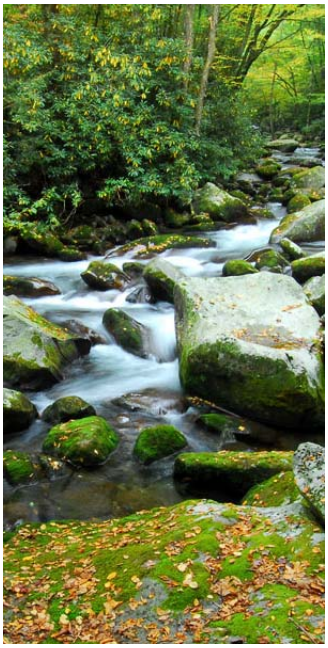
NC PG # 2044

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

Spring 2010 Semiannual Water Quality Monitoring Report

Madison County Operating Solid Waste Facility

Madison County, North Carolina Permit #58-03

July 14, 2010

Prepared for
Madison County, North Carolina

Prepared by
Altamont Environmental, Inc.
231 Haywood Street
Asheville, NC 28801
(828) 281-3350

Spring 2010 Semiannual Water Quality Monitoring Report

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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 first semiannual groundwater, surface water, and leachate monitoring event for 2010, 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, surface water, and leachate sampling locations
- Generalized groundwater flow direction map
- Groundwater, surface water, and leachate quality analytical results
- Sampling logs
- Laboratory analytical reports and chain-of-custody forms

2.0 Methods

On April 20 and 21, 2010, Altamont Environmental, Inc. (Altamont) collected nine groundwater samples from monitoring wells, two surface water samples, and one aqueous sample from the lined leachate basin. One of the monitoring wells sampled, 5803-MW-6R, is upgradient from the landfill. Groundwater collected from this well is assumed to represent 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 (Figure 2). Sample 5803-SW-01 is considered representative of surface water quality upstream of the Operating Landfill; 5803-SW-02R is considered 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 at 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, 6020 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: 700 µg/L): 5803-MW-01 (101 µg/L), 5803-MW-02 (172 µg/L), 5803-MW-03 (242 µg/L), 5803-MW-04 (133 µg/L), and 5803-MW-09 (184 µg/L)
- Beryllium (GWPS: 4 µg/L): 5803-MW-6R (2.0 µg/L)
- Cobalt (GWPS: 70 µg/L): 5803-MW-02 (38.3 µg/L), 5803-MW-7R (63 µg/L)
- Copper (2L Standard: 1,000 µg/L): 5803-MW-6R (27.8 µg/L) and 5803-MW-7R (25.4 µg/L)
- Lead (2L Standard: 15 µg/L): 5803-MW-6R (10.8 µg/L)
- Nickel (2L Standard: 100 µg/L): 5803-MW-7R (55.4 µg/L)
- Zinc (2L Standard: 1,000 µg/L): 5803-MW-01 (42.8 µg/L), 5803-MW-02 (21.0 µg/L), 5803-MW-03 (46.2 µg/L), 5803-MW-05 (44.1 µg/L), 5803-MW-6R (252 µg/L), 5803-MW-7R (270 µg/L), 5803-MW-08 (62.8 µg/L), and 5803-MW-09 (23.7 µg/L)

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

- Arsenic (2L Standard: 10 µg/L): 5803-MW-7R (25.4 µg/L)
- Barium (2L Standard: 700 µg/L): 5803-MW-6R (1210 µg/L) and 5803-MW-7R (782 µg/L)
- Beryllium (GWPS: 4 µg/L): 5803-MW-7R (5.9 µg/L)
- Cadmium (2L Standard: 2.0 µg/L): 5803-MW-6R (2.6 µg/L)
- Cobalt (GWPS: 70 µg/L): 5803-MW-03 (122.0 µg/L), 5803-MW-6R (151.0 µg/L)
- Chromium (2L Standard: 10 µg/L): 5803-MW-6R (46.7 µg/L) and 5803-MW-07R (117 µg/L)
- Lead (2L Standard: 15 µg/L): 5803-MW-7R (23.4 µg/L)
- Nickel (2L Standard: 100 µg/L): 5803-MW-6R (162 µg/L)
- Vanadium (GWPS: 3.5 µg/L): 5803-MW-01 (17.9 µg/L [J-qualified]), 5803-MW-04 (4.4 µg/L [J-qualified]), 5803-MW-05 (4.8 µg/L [J-qualified]), 5803-MW-6R (179 µg/L), 5803-MW-7R (170 µg/L), 5803-MW-08 (6.9 µg/L [J-qualified]), and 5803-MW-09 (8.9 µg/L [J-qualified])

It should be noted that the measured turbidity values for the groundwater samples from all of the monitoring wells, except for 5803-MW-6R and 5803-MW-7R, ranged from 0.00 to 1,100 nephelometric turbidity units (NTUs) (Table 2). The groundwater samples from the 5803-MW-6R and 5803-MW-7R showed turbidity values in excess of 1,100 NTUs, the limit of the HF Scientific, Inc. Micro TWP Turbidity Meter.

These are exceptionally 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 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 tributary 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)

Chromium and zinc were detected in the surface water sample collected from the 5803-SW-01 location upstream of the landfill, at concentrations above associated SWSLs. The following metals were detected at concentrations that exceeded the applicable 2B Standards:

- Cobalt (2B Standard: 4 µg/L): 5803-SW-01 (6.2 µg/L) and 5803-SW-2R (27.1 µg/L)
- Silver (2B Standard: 0.06 µg/L): 5803-SW-2R (0.37 µg/L)

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 exceeding their respective SWSLs.

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 analyzed for BOD, COD, nitrate, phosphorus, and sulfate. The analytical results (Table 2) for these additional parameters are as follows:

- BOD at 8.3 milligrams per liter (mg/L)
- COD at 108 mg/L
- Phosphorus at 0.13 mg/L
- Nitrogen/nitrate at 1.1 mg/L
- Sulfate at 17.3 mg/L

3.2 Hydrogeology

The predominant groundwater flow direction within the regolith overlying the bedrock at the operating landfill appears to be west-northwest, toward an unnamed tributary of Walnut Creek. Figure 3 depicts the generalized groundwater flow direction, based on groundwater measurements taken by Altamont on April 20 and 21, 2010. Water-level data are summarized on Table 5.

3.3 Statistical Evaluation

A statistical evaluation was performed on the analytical data obtained from the monitoring wells associated with the Operating Landfill. For each constituent detected during the Spring 2010 sampling event, historical concentrations in each of the monitoring wells (MW-01, MW-02, MW-03, and MW-04, MW-05, MW-6R, MW-7R, MW-08, MW-09) were compared to the historical analytical data collected from the background well (MW-6R) (Table 6). Data collected from April 1997 through April 2010 were included in the analysis and were used to determine the average concentrations of detected constituents described in this section. A value equal to one-half of the laboratory practical quantitation limits (PQLs) was used to replace the non-detections. Due to the prevalence of non-detects and non-normal distributions of the datasets, Altamont evaluated the data using the Kruskal-Wallis non-parametric procedure. The Kruskal-Wallis evaluation is not dependent upon a normal distribution. Instead, the Kruskal-Wallis compares the mean rank sums of sample sets to sample data collected from the background well. Since VOCs were not detected during the Spring 2010 sampling event, the historical datasets were not evaluated for VOCs.

Table 6 presents the results of the statistical evaluation. Post-hoc comparison results indicating that the historical average concentration of a constituent exceeds that observed in the background well MW-6R (background level) are bolded.

Twelve metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) were included in the statistical evaluation. The datasets for selenium and silver were not analyzed because each of the constituents has been detected at estimated concentrations that were

below the value used to replace non-detects (one-half of the PQL). For datasets that were analyzed, none were detected, on historical average, in one or more of the compliance monitoring wells at concentrations above the historical average concentration detected in the background well (MW-6R). The thallium dataset was not evaluated because it consists of a majority of non-detects, and the value used to replace non-detects exceeds its applicable water quality standard.

4.0 Summary

4.1 Groundwater

Analysis of data collected during the semiannual groundwater quality monitoring event conducted on April 20 and 21, 2010 at the Madison County Operating Landfill indicates that ten metals were detected at concentrations above SWSLs in groundwater samples collected from monitoring wells. The concentrations of nine metals, arsenic, barium, beryllium, cadmium, cobalt, chromium, lead, nickel, and vanadium, exceeded their respective 2L Standards or GWPSs in one or more of the groundwater samples, as follows.

- Arsenic was detected in well 5803-MW-7R at 25.4 µg/L, exceeding its 2L Standard of 10 µg/L.
- Barium was detected in two wells, 5803-MW-6R (1210 µg/L) and 5803-MW-07R (782 µg/L), exceeding its 2L Standard of 700 µg/L.
- Beryllium was detected in monitoring well 5803-MW-7R at 5.9 µg/L, exceeding its GWPS of 4 µg/L.
- Cadmium was detected in well 5803-MW-6R at 2.6 µg/L, exceeding its 2L Standard of 2.0 µg/L.
- Chromium was detected in two wells, 5803-MW-6R (at 46.7 µg/L) and 5803-MW-7R (at 117 µg/L), exceeding its 2L Standard of 10 µg/L.
- Cobalt was detected in two wells, 5803-MW-03 at 122.0 µg/L and 5803-MW-6R at 151.0 µg/L exceeding its GWPS of 70 µg/L.
- Lead was detected in well 5803-MW-7R at 23.4 µg/L, exceeding its 2L Standard of 15 µg/L.
- Nickel was detected in well 5803-MW-6R at 162 µg/L, exceeding its 2L Standard of 100 µg/L.
- Vanadium was detected in seven wells (5803-MW-01, 5803-MW-04, 5803-MW-05, 5803-MW-6R, 5803-MW-7R, 5803-MW-08, and 5803-MW-09), ranging from concentrations of 4.4 mg/L to 179 µg/L. The highest concentration of vanadium was detected in well 5803-MW-6R.

As described in Section 3.1, the turbidity measured in samples collected from two of the monitoring wells, 5803-MW-6R at >1,100 NTU and 5803-MW-7R at >1,100 NTU, were high, despite the use of low-flow purging and sampling techniques. Therefore, the exceedances of metals in these wells may include both the dissolved metal component and the metal component that was adsorbed onto particulates in the sample. These data may reflect false positive results and may not represent the actual groundwater quality at these wells.

The detected concentrations from the fall 2008 through fall 2009 sampling events in 5803-MW-6R 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

Two metals, chromium and zinc, were detected above their respective SWSLs in the surface water samples.

Cobalt and silver were detected in the surface water samples, exceeding the applicable 2B standards, as follows:

- Cobalt was detected at both sample locations, 5803-SW-01 at 6.2 µg/L and in 5803-SW-02R at 27.1 µg/L, exceeding its 2B Standard of 4 µg/L.
- Silver was detected at locations 5803-SW-02R at 0.37 µg/L, exceeding its 2B Standard of 0.06 µg/L.

Similar to the comparison made in Section 4.1, detections of both cobalt and silver in surface water are uniformly greater than detections of the same compounds detected in landfill leachate. This comparison suggests that concentrations of Cobalt and Silver may be naturally occurring or potentially from a source upstream.

4.2.1.1 Appendix I VOCs (EPA Method 8260)

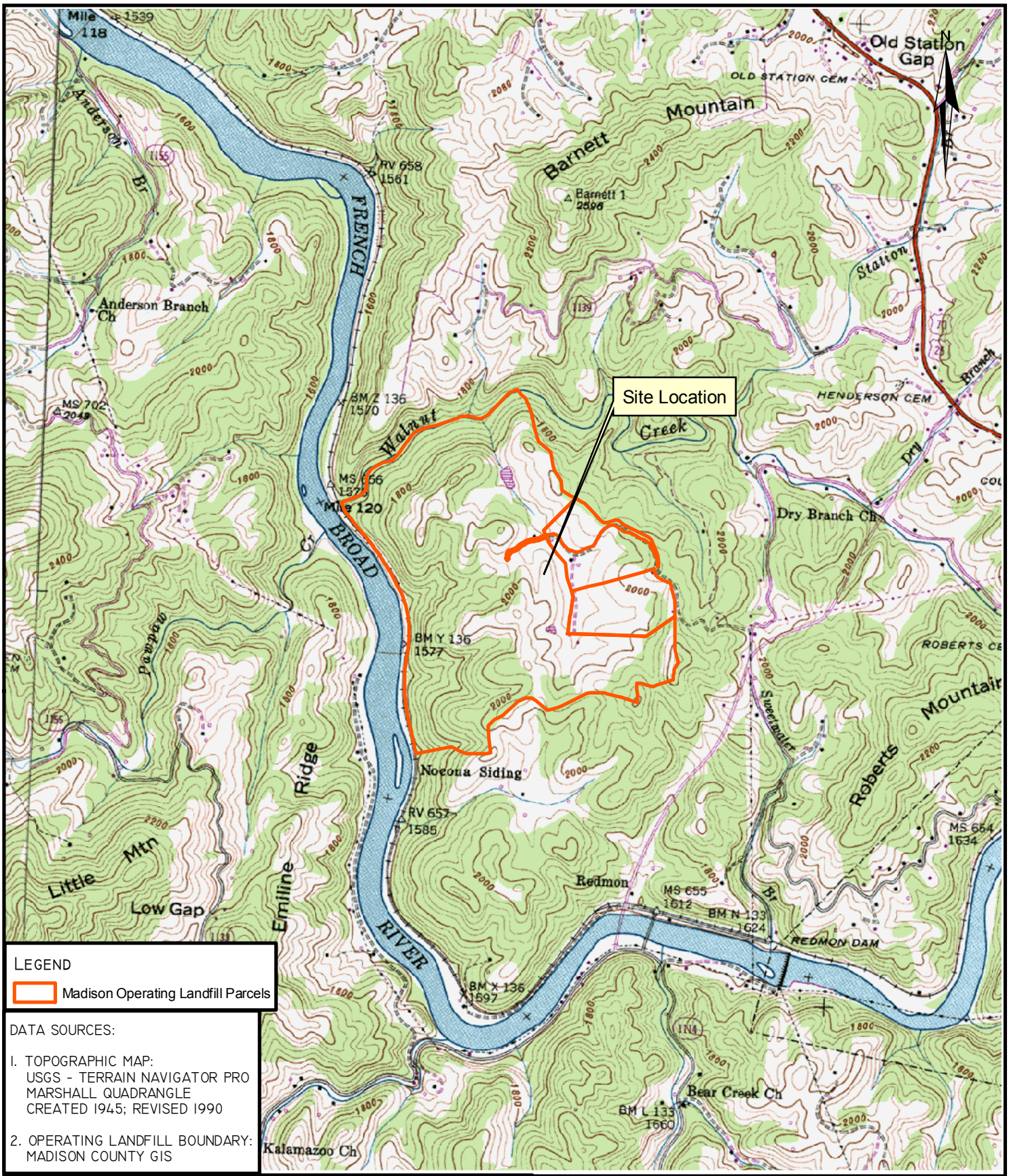
No VOCs were detected at concentrations that exceeded either the associated SWSLs or 2B Standards in either of the surface water samples.

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 October 2010.

FIGURES



LEGEND

Madison Operating Landfill Parcels

DATA SOURCES:

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

2. OPERATING LANDFILL BOUNDARY:
   MADISON COUNTY GIS

ALTAMONT ENVIRONMENTAL, INC.
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231 HAYWOOD STREET, ASHEVILLE, NC 28801
TEL.828.281.3350 FAX.828.281.3351
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SITE LOCATION

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

MADISON COUNTY, NORTH CAROLINA

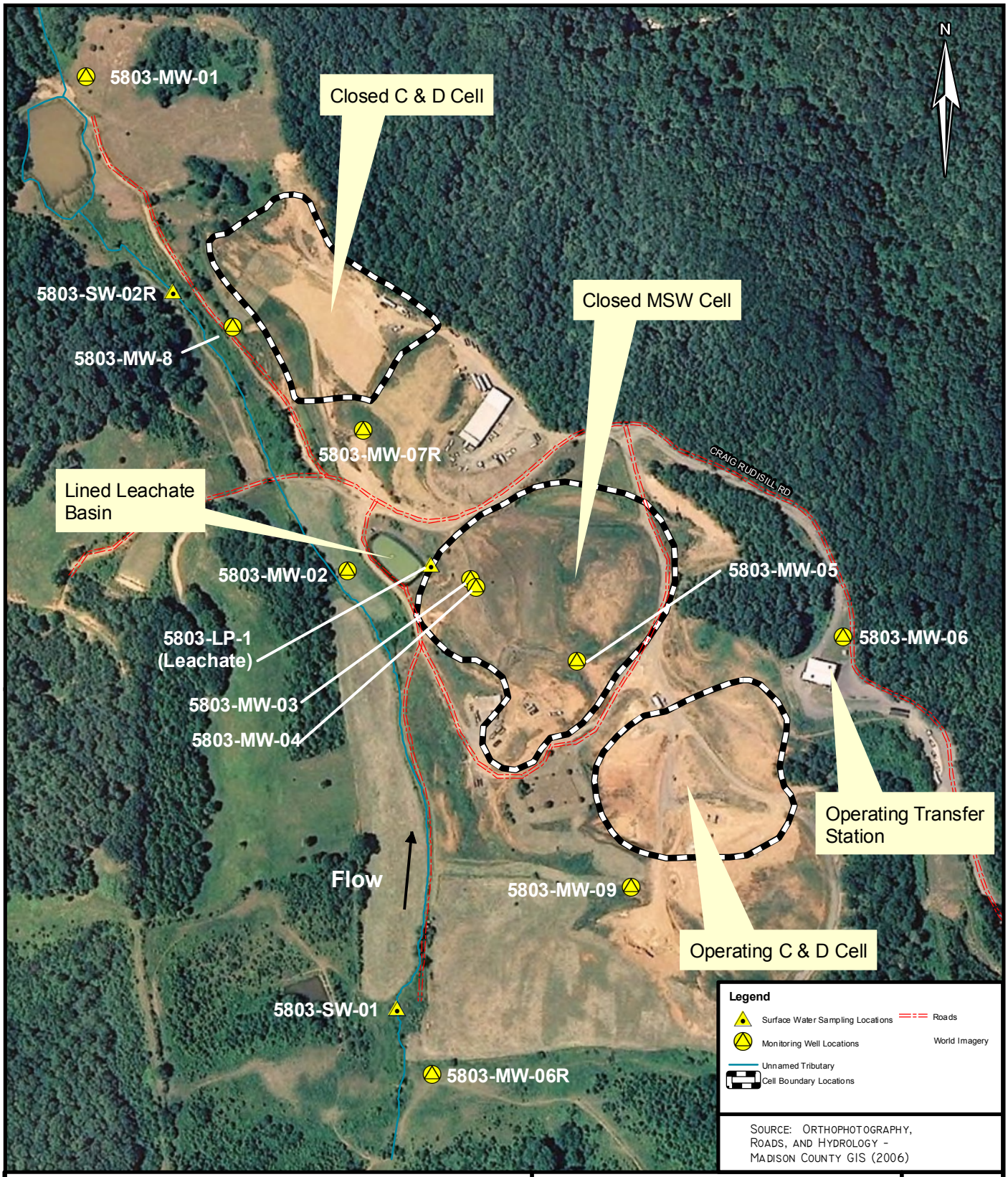
FIGURE

1

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 5/28/2010

SCALE
0 500 1,000 2,000
Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\2010\5803 Figure 1-Site Location Map for Operating.mxd



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

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SAMPLE LOCATIONS

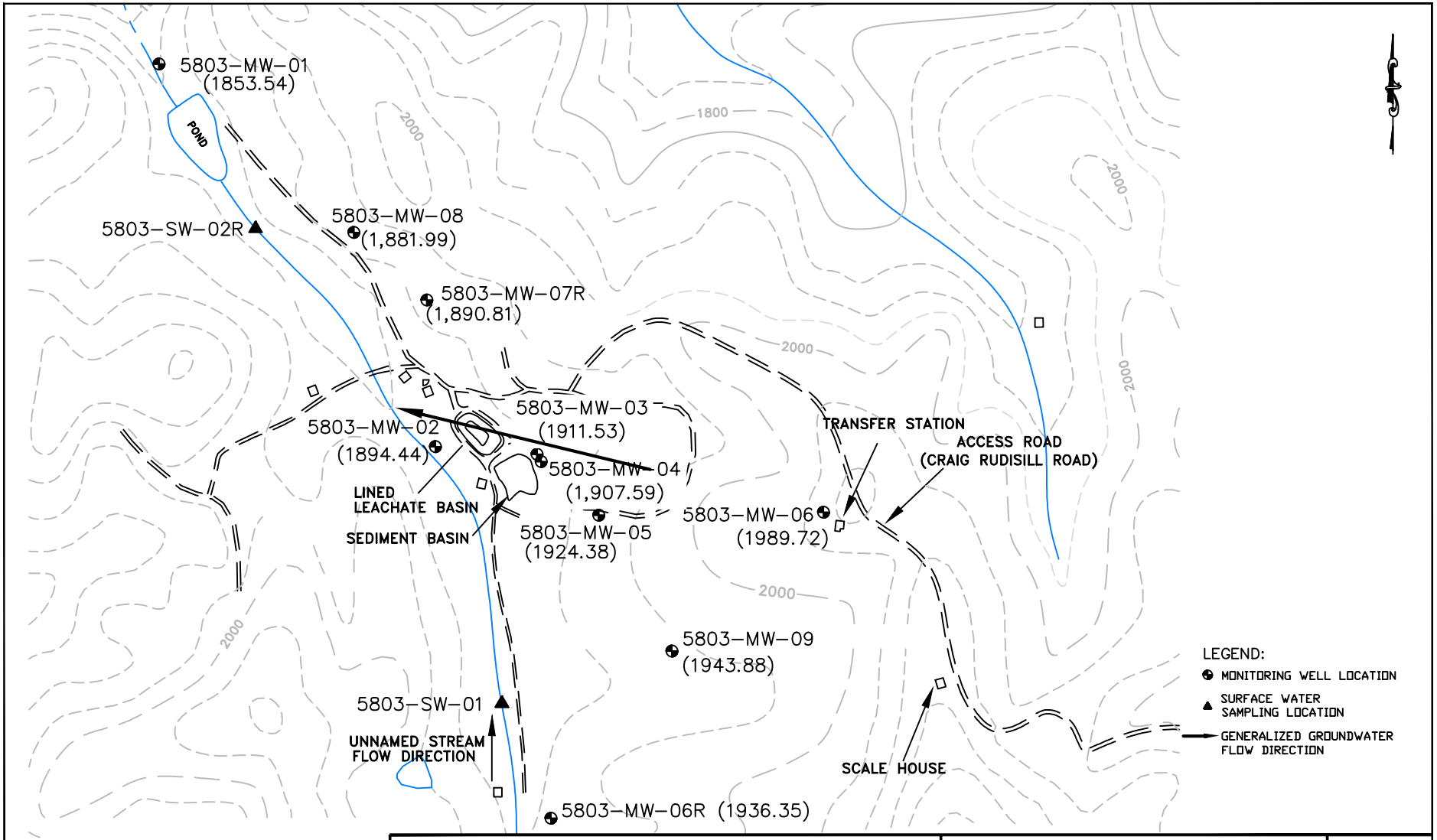
MADISON COUNTY OPERATING SOLID WASTE FACILITY
271 CRAIG RUDISILL ROAD
MARSHALL, NC 28753

FIGURE 2

DRAWN BY: ANNA SAYLOR
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 01/23/2009; UPDATE 5/27/2010 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 APRIL 20 AND 21, 2010.

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DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL D LENK
CLIENT: MADISON COUNTY
DATE: 05/28/2010

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\SPRING 2010 5803 FIGURE 3-GROUNDWATER FLOW.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
		EPA 6010 EPA 6020 EPA 7470	EPA 8260
5803-MW01	04/20/2010	X	X
5803-MW02	04/21/2010	X	X
5803-MW03	04/20/2010	X	X
5803-MW04	04/20/2010	X	X
5803-MW05	04/21/2010	X	X
5803-MW06R	04/21/2010	X	X
5803-MW07R	04/20/2010	X	X
5803-MW08	04/20/2010	X	X
5803-MW09	04/21/2010	X	X
5803-TripBlank	04/21/2010		X
Surface Water Samples			
5803-SW1	04/20/2010	X	X
5803-SW2R	04/20/2010	X	X

Leachate Sample								
Sample Name	Date Collected	Appendix I Metals	Appendix I VOCs	Biochemical Oxygen Demand (BOD)	Chemical Oxygen Demand (COD)	Nitrogen/ Nitrate	Total Phosphorus	Sulfate
		EPA 6010 EPA 6020 EPA 7470	EPA 8260	SM 5210B	SM 5220D	EPA 353.2	EPA 365.1	ASTM D516-90
5803-LP1	04/20/2010	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
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW01	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-39-3	15	Barium	101	µg/L		EPA 6010	5.0	0.20	100	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-47-3	51	Chromium	0.74	µg/L	J	EPA 6010	5.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-48-4	53	Cobalt	5.0	µg/L	J	EPA 6010	5.0	0.60	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-50-8	54	Copper	0.80	µg/L	J	EPA 6010	5.0	0.30	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-MW01	7440-02-0	152	Nickel	2.9	µg/L	J	EPA 6010	5.0	1.7	50	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-MW01	7440-62-2	209	Vanadium	1.3	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-66-6	213	Zinc	42.8	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW01	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW01	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW01		356	Dissolved Oxygen	2.71	mg/L							04/20/2010			
58-03	5803-MW01		336	Oxygen Reduction Potential	171.2	mV							04/20/2010			
58-03	5803-MW01		320	pH	5.05	standard							04/20/2010			
58-03	5803-MW01		323	Specific Conductivity	26	µS							04/20/2010			
58-03	5803-MW01		325	Temperature	10.52	°C							04/20/2010			
58-03	5803-MW01		330	Turbidity	24.12	NTU							04/20/2010			
58-03	5803-MW01		318	Depth to Water	5.52	ft							04/20/2010			
58-03	5803-MW01		411	Total Well Depth	19.50	ft							04/20/2010			
58-03	5803-MW01		328	Top of Casing	1,859.04	ft msl										
58-03	5803-MW02	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-38-2	14	Arsenic	6.1	µg/L	J	EPA 6010	5.0	2.7	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-39-3	15	Barium	172	µg/L		EPA 6010	5.0	0.20	100	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-43-9	34	Cadmium	0.50	µg/L		EPA 6010	1.0	0.50	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-47-3	51	Chromium	3.1	µg/L	J	EPA 6010	5.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-48-4	53	Cobalt	38.3	µg/L		EPA 6010	5.0	0.60	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-50-8	54	Copper	2.0	µg/L	J	EPA 6010	5.0	0.30	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/21/2010	04/23/2010	04/26/2010	40
58-03	5803-MW02	7440-02-0	152	Nickel	3.6	µg/L	J	EPA 6010	5.0	1.7	50	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/21/2010	04/23/2010	04/26/2010	530
58-03	5803-MW02	7440-62-2	209	Vanadium	**17.9**	µg/L	J	EPA 6010	5.0	0.20	25	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-66-6	213	Zinc	21.0	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/21/2010		04/23/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW02	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW02	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW02		356	Dissolved Oxygen	1.22	mg/L							04/21/2010			
58-03	5803-MW02		336	Oxygen Reduction Potential	203.8	mV							04/21/2010			
58-03	5803-MW02		320	pH	5.59	standard							04/21/2010			
58-03	5803-MW02		323	Specific Conductivity	87	µS							04/21/2010			
58-03	5803-MW02		325	Temperature	10.40	°C							04/21/2010			
58-03	5803-MW02		330	Turbidity	84.10	NTU							04/21/2010			
58-03	5803-MW02		318	Depth to Water	4.50	ft							04/21/2010			

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW02		411	Total Well Depth	18.20	ft							04/21/2010			
58-03	5803-MW02		328	Top of Casing	1,898.94	ft msl										

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Madison County Operating Solid Waste Facility, Madison County, North Carolina
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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW03	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-38-2	14	Arsenic	4.9	µg/L	J	EPA 6010	5.0	2.7	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-39-3	15	Barium	242	µg/L		EPA 6010	5.0	0.20	100	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-47-3	51	Chromium	0.40	µg/L	U	EPA 6010	5.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-48-4	53	Cobalt	**122**	µg/L		EPA 6010	5.0	0.60	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-50-8	54	Copper	0.30	µg/L	U	EPA 6010	5.0	0.30	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-MW03	7440-02-0	152	Nickel	3.4	µg/L	J	EPA 6010	5.0	1.7	50	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-28-0	194	Thallium	0.066	µg/L	J	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-MW03	7440-62-2	209	Vanadium	0.59	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-66-6	213	Zinc	46.2	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12

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Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW03	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW03	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW03		356	Dissolved Oxygen	2.73	mg/L							04/20/2010			
58-03	5803-MW03		336	Oxygen Reduction Potential	7.3	mV							04/20/2010			
58-03	5803-MW03		320	pH	5.77	standard							04/20/2010			
58-03	5803-MW03		323	Specific Conductivity	232	µS							04/20/2010			
58-03	5803-MW03		325	Temperature	14.53	°C							04/20/2010			
58-03	5803-MW03		330	Turbidity	7.20	NTU							04/20/2010			
58-03	5803-MW03		318	Depth to Water	21.43	ft							04/20/2010			
58-03	5803-MW03		411	Total Well Depth	35.90	ft							04/20/2010			
58-03	5803-MW03		328	Top of Casing	1,932.96	ft msl										
58-03	5803-MW04	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-39-3	15	Barium	133	µg/L		EPA 6010	5.0	0.20	100	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-47-3	51	Chromium	0.94	µg/L	J	EPA 6010	5.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-48-4	53	Cobalt	0.60	µg/L	U	EPA 6010	5.0	0.60	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-50-8	54	Copper	0.66	µg/L	J	EPA 6010	5.0	0.30	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-MW04	7440-02-0	152	Nickel	1.7	µg/L	U	EPA 6010	5.0	1.7	50	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-MW04	7440-62-2	209	Vanadium	**4.4**	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-66-6	213	Zinc	2.0	µg/L	J	EPA 6010	10.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW04	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW04	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW04		356	Dissolved Oxygen	7.36	mg/L							04/20/2010			
58-03	5803-MW04		336	Oxygen Reduction Potential	154.2	mV							04/20/2010			
58-03	5803-MW04		320	pH	5.97	standard							04/20/2010			
58-03	5803-MW04		323	Specific Conductivity	90	µS							04/20/2010			
58-03	5803-MW04		325	Temperature	14.94	°C							04/20/2010			
58-03	5803-MW04		330	Turbidity	0.00	NTU							04/20/2010			
58-03	5803-MW04		318	Depth to Water	28.05	ft							04/20/2010			

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW04		411	Total Well Depth	83.00	ft							04/20/2010			
58-03	5803-MW04		328	Top of Casing	1,935.64	ft msl										

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW05	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-39-3	15	Barium	95.0	µg/L	J	EPA 6010	5.0	0.20	100	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-47-3	51	Chromium	3.3	µg/L	J	EPA 6010	5.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-48-4	53	Cobalt	1.8	µg/L	J	EPA 6010	5.0	0.60	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-50-8	54	Copper	1.3	µg/L	J	EPA 6010	5.0	0.30	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/21/2010	04/23/2010	04/26/2010	40
58-03	5803-MW05	7440-02-0	152	Nickel	5.8	µg/L	J	EPA 6010	5.0	1.7	50	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/21/2010	04/23/2010	04/26/2010	530
58-03	5803-MW05	7440-62-2	209	Vanadium	**4.8**	µg/L	J	EPA 6010	5.0	0.20	25	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-66-6	213	Zinc	44.1	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/21/2010		04/23/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW05	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW05	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW05		356	Dissolved Oxygen	2.43	mg/L							04/21/2010			
58-03	5803-MW05		336	Oxygen Reduction Potential	182.9	mV							04/21/2010			
58-03	5803-MW05		320	pH	5.37	standard							04/21/2010			
58-03	5803-MW05		323	Specific Conductivity	89	µS							04/21/2010			
58-03	5803-MW05		325	Temperature	13.05	°C							04/21/2010			
58-03	5803-MW05		330	Turbidity	0.00	NTU							04/21/2010			
58-03	5803-MW05		318	Depth to Water	48.38	ft							04/21/2010			
58-03	5803-MW05		411	Total Well Depth	64.00	ft							04/21/2010			
58-03	5803-MW05		328	Top of Casing	1,972.76	ft msl										
58-03	5803-MW6R	7440-36-0	13	Antimony	5.2	µg/L	J	EPA 6010	5.0	2.6	6	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-38-2	14	Arsenic	4.4	µg/L	J	EPA 6010	5.0	2.7	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-39-3	15	Barium	**1210**	µg/L		EPA 6010	5.0	0.20	100	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-41-7	23	Beryllium	2.0	µg/L		EPA 6010	1.0	0.10	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-43-9	34	Cadmium	**2.6**	µg/L		EPA 6010	1.0	0.50	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-47-3	51	Chromium	**46.7**	µg/L		EPA 6010	5.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-48-4	53	Cobalt	**151**	µg/L		EPA 6010	5.0	0.60	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-50-8	54	Copper	27.8	µg/L		EPA 6010	5.0	0.30	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7439-92-1	131	Lead	10.8	µg/L		EPA 6010	5.0	4.0	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/21/2010	04/23/2010	04/26/2010	40
58-03	5803-MW6R	7440-02-0	152	Nickel	**162**	µg/L		EPA 6010	5.0	1.7	50	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7782-49-2	183	Selenium	4.0	µg/L	J	EPA 6010	10.0	3.8	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/21/2010	04/23/2010	04/26/2010	530
58-03	5803-MW6R	7440-62-2	209	Vanadium	**179**	µg/L		EPA 6010	5.0	0.20	25	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-66-6	213	Zinc	252	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/21/2010		04/23/2010	12

Table 2
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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW6R	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW6R		356	Dissolved Oxygen	4.59	mg/L							04/21/2010			
58-03	5803-MW6R		336	Oxygen Reduction Potential	196.7	mV							04/21/2010			
58-03	5803-MW6R		320	pH	6.01	standard							04/21/2010			
58-03	5803-MW6R		323	Specific Conductivity	61	uS							04/21/2010			
58-03	5803-MW6R		325	Temperature	12.47	°C							04/21/2010			
58-03	5803-MW6R		330	Turbidity	>1,100	NTU							04/21/2010			
58-03	5803-MW6R		318	Depth to Water	5.84	ft							04/21/2010			

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Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW6R		411	Total Well Depth	25.00	ft							04/21/2010			
58-03	5803-MW6R		328	Top of Casing	1,942.19	ft msl										

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW7R	7440-36-0	13	Antimony	5.2	µg/L	Y	EPA 6010	10.0	5.2	6	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-38-2	14	Arsenic	**25.4**	µg/L	Y	EPA 6010	10.0	5.4	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-39-3	15	Barium	**782**	µg/L	Y	EPA 6010	10.0	0.40	100	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-41-7	23	Beryllium	**5.9**	µg/L	Y	EPA 6010	2.0	0.20	1	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-43-9	34	Cadmium	1.0	µg/L	Y	EPA 6010	2.0	1.0	1	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-47-3	51	Chromium	**117**	µg/L	Y	EPA 6010	10.0	0.80	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-48-4	53	Cobalt	63.0	µg/L	Y	EPA 6010	10.0	1.2	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-50-8	54	Copper	25.4	µg/L	Y	EPA 6010	10.0	0.60	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7439-92-1	131	Lead	**23.4**	µg/L	Y	EPA 6010	10.0	8.0	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-MW7R	7440-02-0	152	Nickel	55.4	µg/L	Y	EPA 6010	10.0	3.4	50	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7782-49-2	183	Selenium	7.6	µg/L	Y	EPA 6010	20.0	7.6	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-22-4	184	Silver	0.20	µg/L	Y	EPA 6010	10.0	0.20	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-MW7R	7440-62-2	209	Vanadium	**170**	µg/L	Y	EPA 6010	10.0	0.40	25	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-66-6	213	Zinc	270	µg/L	Y	EPA 6010	20.0	0.80	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW7R	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW7R		356	Dissolved Oxygen	4.41	mg/L							04/20/2010			
58-03	5803-MW7R		336	Oxygen Reduction Potential	159.4	mV							04/20/2010			
58-03	5803-MW7R		320	pH	6.03	standard							04/20/2010			
58-03	5803-MW7R		323	Specific Conductivity	27	µS							04/20/2010			
58-03	5803-MW7R		325	Temperature	13.98	°C							04/20/2010			
58-03	5803-MW7R		330	Turbidity	>1,100	NTU							04/20/2010			
58-03	5803-MW7R		318	Depth to Water	28.53	ft							04/20/2010			
58-03	5803-MW7R		411	Total Well Depth	41.40	ft							04/20/2010			
58-03	5803-MW7R		328	Top of Casing	1,919.34	ft msl										
58-03	5803-MW08	7440-36-0	13	Antimony	3.1	µg/L	J	EPA 6010	5.0	2.6	6	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-39-3	15	Barium	51.4	µg/L	J	EPA 6010	5.0	0.20	100	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-47-3	51	Chromium	2.8	µg/L	J	EPA 6010	5.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-48-4	53	Cobalt	0.91	µg/L	J	EPA 6010	5.0	0.60	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-50-8	54	Copper	1.4	µg/L	J	EPA 6010	5.0	0.30	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-MW08	7440-02-0	152	Nickel	1.7	µg/L	U	EPA 6010	5.0	1.7	50	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-22-4	184	Silver	0.42	µg/L	J	EPA 6010	5.0	0.10	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-MW08	7440-62-2	209	Vanadium	**6.9**	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	7440-66-6	213	Zinc	62.8	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW08	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12

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Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW08	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-MW08	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-MW08		356	Dissolved Oxygen	13.93	mg/L							04/20/2010			
58-03	5803-MW08		336	Oxygen Reduction Potential	146.6	mV							04/20/2010			
58-03	5803-MW08		320	pH	5.90	standard							04/20/2010			
58-03	5803-MW08		323	Specific Conductivity	176	µS							04/20/2010			
58-03	5803-MW08		325	Temperature	13.19	°C							04/20/2010			
58-03	5803-MW08		330	Turbidity	33.84	NTU							04/20/2010			
58-03	5803-MW08		318	Depth to Water	17.93	ft							04/20/2010			

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW08		411	Total Well Depth	26.60	ft							04/20/2010			
58-03	5803-MW08		328	Top of Casing	1,899.92	ft msl										

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW09	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-39-3	15	Barium	184	µg/L		EPA 6010	5.0	0.20	100	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-47-3	51	Chromium	2.1	µg/L	J	EPA 6010	5.0	0.40	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-48-4	53	Cobalt	3.3	µg/L	J	EPA 6010	5.0	0.60	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-50-8	54	Copper	2.3	µg/L	J	EPA 6010	5.0	0.30	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/21/2010	04/23/2010	04/26/2010	40
58-03	5803-MW09	7440-02-0	152	Nickel	2.2	µg/L	J	EPA 6010	5.0	1.7	50	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-22-4	184	Silver	0.46	µg/L	J	EPA 6010	5.0	0.10	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/21/2010	04/23/2010	04/26/2010	530
58-03	5803-MW09	7440-62-2	209	Vanadium	**8.9**	µg/L	*J*	EPA 6010	5.0	0.20	25	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-66-6	213	Zinc	23.7	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/21/2010		04/23/2010	12

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Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW09	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/21/2010		04/23/2010	12
58-03	5803-MW09	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/21/2010		04/23/2010	12
58-03	5803-MW09		356	Dissolved Oxygen	4.31	mg/L							04/21/2010			
58-03	5803-MW09		336	Oxygen Reduction Potential	171.3	mV							04/21/2010			
58-03	5803-MW09		320	pH	5.96	standard							04/21/2010			
58-03	5803-MW09		323	Specific Conductivity	72	µS							04/21/2010			
58-03	5803-MW09		325	Temperature	12.88	°C							04/21/2010			
58-03	5803-MW09		330	Turbidity	72.35	NTU							04/21/2010			
58-03	5803-MW09		318	Depth to Water	5.55	ft							04/21/2010			
58-03	5803-MW09		411	Total Well Depth	25.34	ft							04/21/2010			
58-03	5803-MW09		328	Top of Casing	1,949.43	ft msl										
58-03	5803-SW1	7440-36-0	13	Antimony	3.5	µg/L	J	EPA 6010	5.0	2.6	6	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-38-2	14	Arsenic	2.8	µg/L	J	EPA 6010	5.0	2.7	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-39-3	15	Barium	95.7	µg/L	J	EPA 6010	5.0	0.20	100	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-41-7	23	Beryllium	0.19	µg/L	J	EPA 6010	1.0	0.10	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-47-3	51	Chromium	10	µg/L		EPA 6010	5.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-48-4	53	Cobalt	**6.2**	µg/L	J	EPA 6010	5.0	0.60	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-50-8	54	Copper	6.3	µg/L	J	EPA 6010	5.0	0.30	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-SW1	7440-02-0	152	Nickel	3.8	µg/L	J	EPA 6010	5.0	1.7	50	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-22-4	184	Silver	0.32	µg/L	J	EPA 6010	5.0	0.10	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-SW1	7440-62-2	209	Vanadium	13.2	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-66-6	213	Zinc	29.2	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-SW1	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW1	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW1		356	Dissolved Oxygen	17.93	mg/L							04/20/2010			
58-03	5803-SW1		336	Oxygen Reduction Potential	52.7	mV							04/20/2010			
58-03	5803-SW1		320	pH	7.64	standard							04/20/2010			
58-03	5803-SW1		323	Specific Conductivity	48	µS							04/20/2010			
58-03	5803-SW1		325	Temperature	13.02	°C							04/20/2010			
58-03	5803-SW1		330	Turbidity	108.5	NTU							04/20/2010			

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-SW2R	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-39-3	15	Barium	78.2	µg/L	J	EPA 6010	5.0	0.20	100	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-47-3	51	Chromium	0.40	µg/L	U	EPA 6010	5.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-48-4	53	Cobalt	**27.1**	µg/L		EPA 6010	5.0	0.60	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-50-8	54	Copper	0.42	µg/L	J	EPA 6010	5.0	0.30	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-SW2R	7440-02-0	152	Nickel	4.1	µg/L	J	EPA 6010	5.0	1.7	50	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-22-4	184	Silver	**0.37**	µg/L	J	EPA 6010	5.0	0.10	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-SW2R	7440-62-2	209	Vanadium	3.7	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-66-6	213	Zinc	6.7	µg/L	J	EPA 6010	10.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/23/2010	12

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Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-SW2R	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/23/2010	12
58-03	5803-SW2R		356	Dissolved Oxygen	17.86	mg/L							04/20/2010			
58-03	5803-SW2R		336	Oxygen Reduction Potential	62.4	mV							04/20/2010			
58-03	5803-SW2R		320	pH	5.39	standard							04/20/2010			
58-03	5803-SW2R		323	Specific Conductivity	62	µS							04/20/2010			
58-03	5803-SW2R		325	Temperature	10.95	°C							04/20/2010			
58-03	5803-SW2R		330	Turbidity	36.63	NTU							04/20/2010			
58-03	5803-LP1	7440-36-0	13	Antimony	2.6	µg/L	U	EPA 6010	5.0	2.6	6	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-39-3	15	Barium	54.6	µg/L	J	EPA 6010	5.0	0.20	100	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-41-7	23	Beryllium	0.10	µg/L	U	EPA 6010	1.0	0.10	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-47-3	51	Chromium	1.1	µg/L	J	EPA 6010	5.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-48-4	53	Cobalt	2.0	µg/L	J	EPA 6010	5.0	0.60	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-50-8	54	Copper	1.4	µg/L	J	EPA 6010	5.0	0.30	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/20/2010	04/23/2010	04/26/2010	40
58-03	5803-LP1	7440-02-0	152	Nickel	5.4	µg/L	J	EPA 6010	5.0	1.7	50	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-22-4	184	Silver	0.24	µg/L	J	EPA 6010	5.0	0.10	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-28-0	194	Thallium	0.050	µg/L	U	EPA 6020	0.10	0.050	5.5	1	04/20/2010	04/23/2010	04/26/2010	530
58-03	5803-LP1	7440-62-2	209	Vanadium	0.89	µg/L	J	EPA 6010	5.0	0.20	25	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	7440-66-6	213	Zinc	0.40	µg/L	U	EPA 6010	10.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-LP1	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/20/2010		04/24/2010	12

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-LP1	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/20/2010		04/24/2010	12
58-03	5803-LP1	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/20/2010		04/24/2010	12
58-03	5803-LP1		316	BOD, 5 day	8.3	mg/L		SM 5210B	2.0	2.0	NE	1	04/20/2010	04/21/2010	04/26/2010	40
58-03	5803-LP1		317	Chemical Oxygen Demand	108	mg/L		SM 5220D	25.0	25.0	NE	1	04/20/2010		05/05/2010	40
58-03	5803-LP1		303	Nitrogen, Nitrate	1.1	mg/L		EPA 353.2	0.10	0.10	10 (mg/L)	1	04/20/2010		04/21/2010	40
58-03	5803-LP1	7723-14-0	412	Phosphorus	0.13	mg/L		EPA 365.1	0.10	0.10	NE	1	04/20/2010		04/27/2010	40
58-03	5803-LP1	14808-79-8	315	Sulfate	17.3	mg/L		ASTM D516-90	5.0	5.0	250 (mg/L)	1	04/20/2010		04/30/2010	40
58-03	5803-LP1		356	Dissolved Oxygen	14.60	mg/L							04/20/2010			
58-03	5803-LP1		336	Oxygen Reduction Potential	86.7	mV							04/20/2010			
58-03	5803-LP1		320	pH	7.54	standard							04/20/2010			
58-03	5803-LP1		323	Specific Conductivity	500	µS							04/20/2010			
58-03	5803-LP1		325	Temperature	16.17	°C							04/20/2010			

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-LP1		330	Turbidity	33.16	NTU							04/20/2010			
58-03	5803-TripBlank	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/21/2010		04/22/2010	12

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-TripBlank	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/21/2010		04/22/2010	12
58-03	5803-TripBlank	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/21/2010		04/22/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number

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 Quantitation 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, established by DENR, 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 January 1, 2010).
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 February 5, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
16. Qualifier "Y" for metals detected in sample MW-7R indicates that sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Table 3
Solid Waste Section Limit Exceedance Notification
Madison County Operating Solid Waste Facility, Madison County, North Carolina

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-03	5803-MW01	7440-39-3	15	Barium	101	µg/L		EPA 6010	5.0	0.20	100	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW01	7440-66-6	213	Zinc	42.8	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-39-3	15	Barium	172	µg/L		EPA 6010	5.0	0.20	100	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-48-4	53	Cobalt	38.3	µg/L		EPA 6010	5.0	0.60	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW02	7440-66-6	213	Zinc	21.0	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-39-3	15	Barium	242	µg/L		EPA 6010	5.0	0.20	100	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-48-4	53	Cobalt	**122**	µg/L		EPA 6010	5.0	0.60	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW03	7440-66-6	213	Zinc	46.2	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW04	7440-39-3	15	Barium	133	µg/L		EPA 6010	5.0	0.20	100	1	04/20/2010	04/26/2010	04/27/2010	40
58-03	5803-MW05	7440-66-6	213	Zinc	44.1	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-39-3	15	Barium	**1210**	µg/L		EPA 6010	5.0	0.20	100	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-41-7	23	Beryllium	2.0	µg/L		EPA 6010	1.0	0.10	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-43-9	34	Cadmium	2.6	µg/L		EPA 6010	1.0	0.50	1	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-47-3	51	Chromium	**46.7**	µg/L		EPA 6010	5.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-48-4	53	Cobalt	**151**	µg/L		EPA 6010	5.0	0.60	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-50-8	54	Copper	27.8	µg/L		EPA 6010	5.0	0.30	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7439-92-1	131	Lead	10.8	µg/L		EPA 6010	5.0	4.0	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-02-0	152	Nickel	**162**	µg/L		EPA 6010	5.0	1.7	50	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-62-2	209	Vanadium	**179**	µg/L		EPA 6010	5.0	0.20	25	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW6R	7440-66-6	213	Zinc	252	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/26/2010	04/27/2010	40
58-03	5803-MW7R	7440-38-2	14	Arsenic	**25.4**	µg/L	Y	EPA 6010	10.0	5.4	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-39-3	15	Barium	**782**	µg/L	Y	EPA 6010	10.0	0.40	100	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-41-7	23	Beryllium	**5.9**	µg/L	Y	EPA 6010	2.0	0.20	1	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-47-3	51	Chromium	**117**	µg/L	Y	EPA 6010	10.0	0.80	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-48-4	53	Cobalt	63.0	µg/L	Y	EPA 6010	10.0	1.2	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-50-8	54	Copper	25.4	µg/L	Y	EPA 6010	10.0	0.60	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7439-92-1	131	Lead	**23.4**	µg/L	Y	EPA 6010	10.0	8.0	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-02-0	152	Nickel	55.4	µg/L	Y	EPA 6010	10.0	3.4	50	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-62-2	209	Vanadium	170	µg/L	Y	EPA 6010	10.0	0.40	25	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW7R	7440-66-6	213	Zinc	**270**	µg/L	Y	EPA 6010	20.0	0.80	10	2	04/20/2010	04/27/2010	05/04/2010	40
58-03	5803-MW08	7440-66-6	213	Zinc	62.8	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-39-3	15	Barium	184	µg/L		EPA 6010	5.0	0.20	100	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-MW09	7440-66-6	213	Zinc	23.7	µg/L		EPA 6010	10.0	0.40	10	1	04/21/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-47-3	51	Chromium	10	µg/L		EPA 6010	5.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW1	7440-66-6	213	Zinc	29.2	µg/L		EPA 6010	10.0	0.40	10	1	04/20/2010	04/27/2010	05/01/2010	40
58-03	5803-SW2R	7440-48-4	53	Cobalt	**27.1**	µg/L		EPA 6010	5.0	0.60	10	1	04/20/2010	04/27/2010	05/01/2010	40

Table 3
Solid Waste Section Limit Exceedance Notification
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 Quantitation 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, established by DENR, 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 (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 January
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 February 5, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
16. Qualifier "Y" for metals detected in sample MW-7R indicates that sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Table 4
Water Quality Standards Exceedence Notification
Madison County Operating Solid Waste Facility, Madison County, North Carolina

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	2L Standard	GWPS Standard	2B Standard	Collect Date	Analysis Date	Cause and Significance
58-03	5803-MW02	7440-62-2	209	Vanadium	**17.9**	µg/L	J	EPA 6010	5.0	0.20	25	1	NE	3.5		04/21/2010	04/27/2010	Potentially naturally occurring and possibly due to higher turbidity of the sample; turbidity 84.10 NTU. Walnut Creek tributary to west.
58-03	5803-MW03	7440-48-4	53	Cobalt	**122**	µg/L		EPA 6010	5.0	0.60	10	1	NE	70		04/20/2010	04/27/2010	Potentially naturally occurring; turbidity 7.20 NTU. Walnut Creek tributary to west.
58-03	5803-MW04	7440-62-2	209	Vanadium	**4.4**	µg/L	J	EPA 6010	5.0	0.20	25	1	NE	3.5		04/20/2010	04/27/2010	Potentially naturally occurring; turbidity 0.00 NTU. Walnut Creek tributary to west.
58-03	5803-MW05	7440-62-2	209	Vanadium	**4.8**	µg/L	J	EPA 6010	5.0	0.20	25	1	NE	3.5		04/21/2010	04/27/2010	Potentially naturally occurring; turbidity 0.00 NTU. Walnut Creek tributary to west.
58-03	5803-MW6R	7440-39-3	15	Barium	**1210**	µg/L		EPA 6010	5.0	0.20	100	1	700	NE		04/21/2010	04/27/2010	Potentially naturally occurring and due to high turbidity of the sample; background well; turbidity >1,100 NTU. Walnut Creek tributary to west.
58-03	5803-MW6R	7440-47-3	51	Chromium	**46.7**	µg/L		EPA 6010	5.0	0.40	10	1	10	NE		04/21/2010	04/27/2010	
58-03	5803-MW6R	7440-43-9	34	Cadmium	**2.6**	µg/L		EPA 6010	1.0	0.50	1	1	2	NE		04/21/2010	04/27/2010	
58-03	5803-MW6R	7440-48-4	53	Cobalt	**151**	µg/L		EPA 6010	5.0	0.60	10	1	NE	70		04/21/2010	04/27/2010	
58-03	5803-MW6R	7440-02-0	152	Nickel	**162**	µg/L		EPA 6010	5.0	1.7	50	1	100	NE		04/21/2010	04/27/2010	
58-03	5803-MW6R	7440-62-2	209	Vanadium	**179**	µg/L		EPA 6010	5.0	0.20	25	1	NE	3.5		04/21/2010	04/27/2010	
58-03	5803-MW7R	7440-38-2	14	Arsenic	**25.4**	µg/L	Y	EPA 6010	10.0	5.4	10	2	10	NE		04/20/2010	05/04/2010	Potentially naturally occurring and due to high turbidity of the sample: turbidity >1,100 NTU. Walnut Creek tributary to west.
58-03	5803-MW7R	7440-39-3	15	Barium	**782**	µg/L	Y	EPA 6010	10.0	0.40	100	2	700	NE		04/20/2010	05/04/2010	
58-03	5803-MW7R	7440-41-7	23	Beryllium	**5.9**	µg/L	Y	EPA 6010	2.0	0.20	1	2	NE	4		04/20/2010	05/04/2010	
58-03	5803-MW7R	7440-47-3	51	Chromium	**117**	µg/L	Y	EPA 6010	10.0	0.80	10	2	10	NE		04/20/2010	05/04/2010	
58-03	5803-MW7R	7439-92-1	131	Lead	**23.4**	µg/L	Y	EPA 6010	10.0	8.0	10	2	15	NE		04/20/2010	05/04/2010	
58-03	5803-MW7R	7440-62-2	209	Vanadium	**170**	µg/L	Y	EPA 6010	10.0	0.40	25	2	NE	3.5		04/20/2010	05/04/2010	
58-03	5803-MW08	7440-62-2	209	Vanadium	**6.9**	µg/L	J	EPA 6010	5.0	0.20	25	1	NE	3.5		04/20/2010	05/01/2010	Potentially naturally occurring; turbidity 33.84 NTU. Walnut Creek tributary to west.
58-03	5803-MW09	7440-62-2	209	Vanadium	**8.9**	µg/L	J	EPA 6010	5.0	0.20	25	1	NE	3.5		04/21/2010	05/01/2010	Potentially naturally occurring; turbidity 72.35 NTU. Walnut Creek tributary to west.
58-03	5803-SW1	7440-48-4	53	Cobalt	**6.2**	µg/L	J	EPA 6010	5.0	0.60	10	1			4	04/20/2010	05/01/2010	
58-03	5803-SW2R	7440-48-4	53	Cobalt	**27.1**	µg/L		EPA 6010	5.0	0.60	10	1			4	04/20/2010	05/01/2010	
58-03	5803-SW2R	7440-22-4	184	Silver	**0.37**	µg/L	J	EPA 6010	5.0	0.10	10	1			0.06	04/20/2010	05/01/2010	

Table 4
Water Quality Standards Exceedence Notification
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 Quantitation 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, established by DENR, 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 January 1, 2010).
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 February 5, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
16. Qualifier "Y" for metals detected in sample MW-7R indicates that sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Table 5
Well Construction Details and Corresponding Elevations
Madison County Operating Solid Waste Facility, Madison County, North Carolina
Spring 2010

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-MW01	1,859.04	5.50	1,853.54	7	1,849.5	2 to 17	1,857.04
58-03	5803-MW02	1,898.94	4.50	1,894.44	6	1,890.4	1 to 16	1,897.94
58-03	5803-MW03	1,932.96	21.43	1,911.53	NA	NA	15.5 to 25.5	1,913.72
58-03	5803-MW04	1,935.64	28.05	1,907.59	35.2	1,895.2	70.7 to 80.7	1,862.21
58-03	5803-MW05	1,972.76	48.38	1,924.38	NA	NA	46.5 to 61.5	1,926.26
58-03	5803-MW06	2,082.87	93.15	1,989.72	28	2,052.4	80 to 100	2,002.87
58-03	5803-MW06R	1,942.19	5.84	1,936.35	NA	NA	10 to 25	1,932.19
58-03	5803-MW07R	1,919.34	28.53	1,890.81	NA	NA	26 to 41	1,890.53
58-03	5803-MW08	1,899.92	17.93	1,881.99	NA	NA	16 to 26	1,881.02
58-03	5803-MW09	1,949.43	5.55	1,943.88	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 April 20 and 21, 2010.

Table 6
Statistical Comparison of Detected Constituents in Background vs. Compliance Monitoring Wells
Madison County Operating Landfill, Madison County, North Carolina
Spring 2010

Detected Constituents	Kruskal-Wallis evaluation results H_0: constituent concentration (mean rank sum) is equal for all wells ($H' <$ $\alpha = 0.05$, one-tailed, $\chi^2 = 15.51$		post-hoc comparison H_0: mean rank$_{\text{compliance well MW-}i}$ - mean rank$_{\text{background MW-6R}}$ = C_i $\alpha = 0.05$, one-tailed			
	H'	Result	Compliance well	mean rank difference from MW-6R (μ_{MW-i} - μ_{MW-6R})	Critical Difference (C_i)	Result
Metals						
Antimony	**251.88**	**significant difference(s) among wells**	5803-MW01	6.91	34.65	no evidence of contamination in compliance wells
			5803-MW02	3.33	34.65	
			5803-MW03	6.58	34.35	
			5803-MW04	3.33	34.65	
			5803-MW05	9.76	34.65	
			5803-MW7R	8.50	44.35	
			5803-MW08	8.50	44.35	
			5803-MW09	19.13	59.50	
Arsenic	**48.26**	**significant difference(s) among wells**	5803-MW01	-10.14	65.74	no evidence of contamination in compliance wells
			5803-MW02	-10.16	65.74	
			5803-MW03	-6.64	65.90	
			5803-MW04	-15.99	65.90	
			5803-MW05	-16.11	65.74	
			5803-MW7R	49.38	69.57	
			5803-MW08	5.66	69.57	
			5803-MW09	0.13	75.14	
Barium	**79.49**	**significant difference(s) among wells**	5803-MW01	-47.54	57.03	no evidence of contamination in compliance wells
			5803-MW02	-34.60	57.03	
			5803-MW03	5.63	57.17	
			5803-MW04	-67.93	57.17	
			5803-MW05	-95.13	75.27	
			5803-MW7R	20.52	60.35	
			5803-MW08	-22.13	60.35	
			5803-MW09	-1.94	65.18	
Beryllium	**28.86**	**significant difference(s) among wells**	5803-MW01	-1.03	65.74	no evidence of contamination in compliance wells
			5803-MW02	-1.16	65.74	
			5803-MW03	12.06	65.90	
			5803-MW04	-1.19	65.90	
			5803-MW05	9.86	65.74	
			5803-MW7R	56.21	69.57	
			5803-MW08	-0.89	69.57	
			5803-MW09	-1.25	75.14	
Cadmium	**13.02**	no significant difference(s) among wells	5803-MW01	n/a	n/a	n/a
			5803-MW02	n/a	n/a	
			5803-MW03	n/a	n/a	
			5803-MW04	n/a	n/a	
			5803-MW05	n/a	n/a	
			5803-MW7R	n/a	n/a	
			5803-MW08	n/a	n/a	
			5803-MW09	n/a	n/a	

Table 6
Statistical Comparison of Detected Constituents in Background vs. Compliance Monitoring Wells
Madison County Operating Landfill, Madison County, North Carolina
Spring 2010

Detected Constituents	Kruskal-Wallis evaluation results H_0: constituent concentration (mean rank sum) is equal for all wells ($H' <$ $\alpha = 0.05$, one-tailed, $\chi^2 = 15.51$		post-hoc comparison H_0: mean rank$_{\text{compliance well MW-}i}$ - mean rank$_{\text{background MW-6R}}$ = C_i $\alpha = 0.05$, one-tailed			
	H'	Result	Compliance well	mean rank difference from MW-6R (μ_{MW-i} - μ_{MW-6R})	Critical Difference (C_i)	Result
Chromium	**91.55**	**significant difference(s) among wells**	5803-MW01	-42.31	65.74	no evidence of contamination in compliance wells
			5803-MW02	-53.87	65.74	
			5803-MW03	-6.09	65.90	
			5803-MW04	-62.24	65.90	
			5803-MW05	17.25	65.74	
			5803-MW7R	34.88	69.57	
			5803-MW08	-0.95	69.57	
			5803-MW09	-56.19	75.14	
Cobalt	**95.24**	**significant difference(s) among wells**	5803-MW01	-46.96	65.36	no evidence of contamination in compliance wells
			5803-MW02	-21.98	65.52	
			5803-MW03	36.08	65.52	
			5803-MW04	-85.52	65.52	
			5803-MW05	-25.07	65.52	
			5803-MW7R	-8.46	69.17	
			5803-MW08	-2.61	69.17	
			5803-MW09	-33.57	76.47	
Copper	**42.98**	**significant difference(s) among wells**	5803-MW01	-44.87	65.74	no evidence of contamination in compliance wells
			5803-MW02	-47.98	65.74	
			5803-MW03	-28.32	65.90	
			5803-MW04	-53.53	65.90	
			5803-MW05	7.78	65.74	
			5803-MW7R	8.23	69.57	
			5803-MW08	5.13	69.57	
			5803-MW09	-13.63	75.14	
Lead	**30.73**	**significant difference(s) among wells**	5803-MW01	-3.38	65.74	no evidence of contamination in compliance wells
			5803-MW02	-14.20	65.74	
			5803-MW03	-0.76	65.90	
			5803-MW04	-14.68	65.90	
			5803-MW05	-19.64	65.74	
			5803-MW7R	48.34	69.57	
			5803-MW08	15.23	69.57	
			5803-MW09	-3.00	75.14	
Nickel	**45.48**	**significant difference(s) among wells**	5803-MW01	-65.28	65.74	no evidence of contamination in compliance wells
			5803-MW02	-61.06	65.74	
			5803-MW03	-35.38	65.90	
			5803-MW04	-71.21	65.90	
			5803-MW05	-10.74	65.74	
			5803-MW7R	-7.93	69.57	
			5803-MW08	-9.21	69.57	
			5803-MW09	-47.56	75.14	

Table 6
Statistical Comparison of Detected Constituents in Background vs. Compliance Monitoring Wells
Madison County Operating Landfill, Madison County, North Carolina
Spring 2010

Detected Constituents	Kruskal-Wallis evaluation results H_0: constituent concentration (mean rank sum) is equal for all wells (H' < α = 0.05, one-tailed, X^2 = 15.51		post-hoc comparison H_0: mean rank$_{compliance\ well\ MW-i}$ - mean rank$_{background\ MW-6R}$ = C_i α = 0.05, one-tailed			
	H'	Result	Compliance well	mean rank difference from MW-6R (μ_{MW-i} - μ_{MW-6R})	Critical Difference (C_i)	Result
Vanadium	**71.08**	**significant difference(s) among wells**	5803-MW01	-66.88	65.36	no evidence of contamination in compliance wells
			5803-MW02	-74.71	65.36	
			5803-MW03	-42.76	65.52	
			5803-MW04	-60.24	65.70	
			5803-MW05	-11.12	65.36	
			5803-MW7R	11.05	69.17	
			5803-MW08	2.70	69.17	
			5803-MW09	-24.56	74.71	
Zinc	**125.68**	**significant difference(s) among wells**	5803-MW01	-57.65	62.71	no evidence of contamination in compliance wells
			5803-MW02	-73.31	62.71	
			5803-MW03	-29.29	62.87	
			5803-MW04	-78.52	62.87	
			5803-MW05	-22.07	62.71	
			5803-MW7R	14.61	66.36	
			5803-MW08	-13.21	66.36	
			5803-MW09	-18.25	71.68	

Notes:
1. This table presents the results of the statistical analysis performed on the datasets of constituents that were detected in one or more of the wells during the Spring 2010 monitoring event
2. The data analyzed includes historical data from monitoring wells MW-1, MW-2, MW-3, and MW-4, MW-5, MW-6R, MW-7R, MW-8, MW-9 [compliance wells] and MW-J [the background well] collected during the five semiannual monitoring e through March 2010.
3. "X": concentration. "MW-*i*" indicates a given compliance well.
4. **Bolded** indicates that the mean (i.e., *t*-test) or mean rank sum (i.e., Kruskal-Wallis) concentration of the constituent in a compliance well did exceed the respective background concentration
5. "n/a" indicates that the analysis was not performed because it was not necessary. Post-hoc analysis was not conducted if the Kurskal-Wallis analysis did not identify significant differences among the wells
6. Historical dataset of thallium detections was not analyzed. Statistical analysis is not valid since the value used to replace non-detects is greater than the applicable water quality standard
7. Historical datasets of selenium and silver were not analyzed because current detections and historical detections were less than value used to replace non-detects

APPENDICES

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

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WWW.ALTAMONTENVIRONMENTAL.COM

Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/20/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy, Cool 50°

Well ID:	MW-01		Arrive at Well:	828
Screen Interval:	2-17	bgs	Start Time:	840
Depth to Water:	5.52	toc	Sample Time:	903
Stickup:	2.0		Finish Sample Time:	915
Depth of Pump Intake:	12.0	toc	Leave Well:	927
Drawdown Set:	6.12	toc		

COMMENTS: Well recharged quickly @ first (10 secs) then slowly increased in time (~2min)

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
842	5.82	10.92	026	17.06	5.00	219.0	96.43
845	5.92	10.46	025	9.55	4.92	229.1	73.85
848	6.12	10.36	025	4.62	4.93	212.1	59.60
851	6.12	10.37	025	3.36	4.97	193.4	48.76
854	6.12	10.39	025	2.96	5.00	184.3	31.40
857	6.12	10.42	026	2.88	5.02	178.4	38.00
900	6.12	10.47	026	2.72	5.03	174.0	27.54
903	6.12	10.52	026	2.71	5.05	171.2	24.12

Time between recharge during sample collection: 2min

Sampling Personnel Signature: [signature] Date: 4/20/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/21/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy, 50°

Well ID: MW-02
Screen Interval: 1 to 16 bgs
Depth to Water: 4.50 toc
Stickup: 0.5
Depth of Pump Intake: 10.0 toc
Drawdown Set: 5.10 toc

Arrive at Well: 925
Start Time: 939
Sample Time: 1002
Finish Sample Time: 1007
Leave Well: 1026

COMMENTS: Well recharges quickly

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
941	5.00	10.30	88	13.85	5.50	192.2	207.0
944	5.10	10.27	88	6.54	5.46	201.1	223.4
947	5.10	10.29	88	3.25	5.50	201.8	194.2
950	5.10	10.33	89	2.10	5.53	201.6	153.6
953	5.10	10.35	90	1.62	5.56	202.4	137.8
956	5.10	10.37	87	1.31	5.58	202.9	121.1
959	5.10	10.39	88	1.25	5.58	203.0	115.2
1002	5.10	10.40	87	1.22	5.59	203.8	84.10

Time between recharge during sample collection: 5 secs @ 3CPM

Sampling Personnel Signature: EY
Date: 4/21/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/20/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy, light Rain 60°

Well ID: MW-03
Screen Interval: 15.5 to 25.5 bgs
Depth to Water: 21.43 toc
Stickup: 3.7
Depth of Pump Intake: 27.5 toc
Drawdown Set: 22.43 toc

Arrive at Well: 1139
Start Time: 1152
Sample Time: 1215
Finish Sample Time: 1219
Leave Well: 1230

COMMENTS: Turbidity high w/ orangish color @ first then cleared up.

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1154	22.0	14.84	212	13.46	5.74	24.1	605.1
1157	22.31	14.68	220	6.70	5.69	21.4	398.1
1200	22.43	14.62	223	4.31	5.69	20.0	164.0
1203	22.43	14.58	223	3.83	5.71	19.1	86.30
1206	22.43	14.58	226	3.43	5.71	16.4	49.05
1209	22.43	14.57	229	3.08	5.74	13.1	25.15
1212	22.43	14.56	232	2.89	5.74	10.2	10.36
1215	22.43	14.53	232	2.73	5.77	7.3	7.20

Time between recharge during sample collection: 15 secs

Sampling Personnel Signature: [signature]
Date: 4/20/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/20/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Light Rain 60°

Well ID: MW-04
Screen Interval: 70.7 - 80.7 bgs
Depth to Water: 28.05 toc
Stickup: 4.0
Depth of Pump Intake: 77.7 toc
Drawdown Set: 28.45 toc

Arrive at Well: 1234
Start Time: 1243
Sample Time: 1309
Finish Sample Time: 1314
Leave Well: 1330

COMMENTS: Well recharges quickly

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1245	28.40	14.93	092	18.60	6.47	69.6	13.40
1248	28.45	15.11	091	14.94	6.19	108.0	10.93
1251	28.45	15.05	090	11.74	6.10	119.0	1.57
1254	28.45	14.99	090	9.37	6.05	131.2	1.30
1257	28.45	14.97	090	8.42	6.01	139.4	0.57
1300	28.45	14.95	090	7.95	5.99	143.8	0.00
1303	28.45	14.93	090	7.60	5.98	149.0	5.75
1306	28.45	14.95	090	7.32	5.97	153.1	0.00
1309	28.45	14.94	090	7.36	5.97	154.2	0.00

Time between recharge during sample collection: 15 sec. @ 3 CPM

Sampling Personnel Signature: [signature]
Date: 4/20/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
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mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/21/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy, Light Rain 50°

Well ID: MW-05
Screen Interval: 46.5 to 61.5 bgs
Depth to Water: 48.38 toc
Stickup: 1.5
Depth of Pump Intake: 57.0 toc
Drawdown Set: 49.38 toc

Arrive at Well: 817
Start Time: 834
Sample Time: 856
Finish Sample Time: 909
Leave Well: 921

COMMENTS: Well recharged quickly at first, then time before recharged increased at sample time

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
838	49.18	13.61	84	10.72	5.31	178.1	11.80
841	49.38	13.74	88	5.57	5.30	182.8	7.08
844	49.38	13.72	89	3.77	5.31	184.7	0.85
847	49.38	13.56	89	2.88	5.35	184.7	0.00
850	49.38	13.24	90	2.53	5.37	184.0	0.00
853	49.38	13.16	90	2.48	5.37	183.5	0.00
856	49.38	13.05	89	2.43	5.37	182.9	0.00

Time between recharge during sample collection: 2.5 min

Sampling Personnel Signature: [signature]
Date: 4/21/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/20/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Rain 60°

Well ID: MW-06
Screen Interval: NA bgs
Depth to Water: 93.15 toc
Stickup: ~2.0
Depth of Pump Intake: NA toc
Drawdown Set: NA toc

Arrive at Well: 1541
Start Time: NA
Sample Time: No Sample
Finish Sample Time: NA
Leave Well: 1545

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
→ well cannot be low flow sampled							
- well does not recharge							

Time between recharge during sample collection: NA

Sampling Personnel Signature:
Date:

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Well Development Log

FACILITY NAME: Madison Co. Operating LF
LOCATION: Marshall, NC
FIELD PERSONNEL: E. Yurkovich

DATE: 4/20/2010
ARRIVE TIME: 1405
WEATHER: Rain 60°

WELL NUMBER: MW-6R
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 25.0 START TIME:
WATER LEVEL IN FEET (WL): 5.71
LENGTH OF WATER COLUMN : FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: GALLONS
ACTUAL VOLUME DEVELOPED: GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

TIME	DEVELOPMENT METHOD	ESTIMATED FLOW RATE (gpm)	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1420	Purge Pump	1	4						>1100	
1427	Purge Pump	1	9						>1100	
1433	Purge Pump	1	15						>1100	
1437	Purge Pump	1	22						>1100	
1444	Purge Pump	1	29						>1100	
1450	Purge Pump	1	36						>1100	
1455	Purge Pump	1	43						1024	
1500	Purge Pump	1	50						585.2	
1510	Purge Pump	1	60						437.8	
1520	Purge Pump	1	75						397.0	
1525	Purge Pump	1	85						304.6	
1530	Purge Pump	1	100						247.1	

PROTECTIVE CASING: OK PAD: OK LOCK: NA VEGETATION: OK ACCESS: Good

Field Personnel Signature: Date: 4/20/10

Comments: Use Surge block to manually surge screen/well for 15 min
Maintaining water level around 12 ft. bgs while pumping

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

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/21/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy 50°

Well ID: MW-6R
Screen Interval: 10 to 25 bgs
Depth to Water: 5.84 toc
Stickup: 0.0
Depth of Pump Intake: 18.0 toc
Drawdown Set: 6.04 toc

Arrive at Well: 1030
Start Time: 1046
Sample Time: 1110
Finish Sample Time: 1113
Leave Well: 1135

COMMENTS: Well was redeveloped on 4/20/2010. Still contains high turbidity in water. Well recharges quickly

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1049	5.84	12.29	61	13.35	6.04	186.8	71100
1052	6.04	12.36	61	10.44	5.97	193.8	1003
1055	6.04	12.44	62	8.17	5.96	195.3	794.0
1058	6.04	12.41	61	6.38	5.97	195.8	964.4
1101	6.04	12.45	62	5.42	5.98	196.0	>1100
1104	6.04	12.47	61	4.77	5.99	195.9	>1100
1107	6.04	12.46	61	4.62	6.01	196.3	>1100
1110	6.04	12.47	61	4.59	6.01	196.7	>1100

Time between recharge during sample collection: 2 secs @ 3CPM

Sampling Personnel Signature: [signature]
Date: 4/21/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/20/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: cloudy 55°

Well ID: MW-7R
Screen Interval: 26-41 bgs
Depth to Water: 28.53 toc
Stickup: 3.0
Depth of Pump Intake: 37.0 toc
Drawdown Set: 30.53 toc

Arrive at Well: 1041
Start Time: 1050
Sample Time: 1113
Finish Sample Time: 1124
Leave Well: 1135

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1055	29.53	14.03	027	16.36	6.11	139.7	418.1
1058	30.53	14.04	027	15.18	6.00	151.7	>1100
1101	30.53	14.05	027	7.41	6.00	152.1	>1100
1104	30.53	14.01	027	5.20	6.02	152.9	>1100
1107	30.53	14.01	027	4.59	6.03	154.8	>1100
1110	30.53	13.96	028	4.40	6.04	157.4	>1100
1113	30.53	13.98	027	4.41	6.03	159.4	>1100

Time between recharge during sample collection: 75 secs

Sampling Personnel Signature: [signature]
Date: 4/20/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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WWW.ALTAMONTENVIRONMENTAL.COM

Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/20/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: cloudy 55°

Well ID: MW-08
Screen Interval: 16 to 26 bgs
Depth to Water: 17.93 toc
Stickup: 4.0
Depth of Pump Intake: 24.0 toc
Drawdown Set: 19.23 toc

Arrive at Well: 940
Start Time: 947
Sample Time: 1010
Finish Sample Time: 1025
Leave Well: 1038

COMMENTS: Well recharges slowly

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV) 99.9	Turbidity (NTU)
949	~~18~~ 18.93	13.31	173	18.08	5.76	~~9.84~~	9.84
952	18.93	13.28	173	16.05	5.81	112.3	9.41
955	18.93	13.25	174	15.04	5.69	122.4	10.29
958	19.23	13.20	174	14.52	5.82	127.9	24.59
1001	19.23	13.15	174	13.93	5.86	136.4	19.98
1004	19.23	13.13	174	14.57	5.88	141.3	11.32
1007	19.23	13.15	175	14.26	5.89	146.7	28.42
1010	19.23	13.19	176	13.93	5.90	146.6	33.84

Time between recharge during sample collection: 90 secs

Sampling Personnel Signature: [signature]
Date: 4/20/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

20.4

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313.1202
LOCATION: Marshall, NC
DATE: 4/21/2010
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy 50°

Well ID: MW-09
Screen Interval: 12.4 to 22.4 bgs
Depth to Water: 5.55 toc
Stickup: 2.8
Depth of Pump Intake: 20.4 toc
Drawdown Set: 7.55 toc

Arrive at Well: 1140
Start Time: 1201
Sample Time: 1223
Finish Sample Time: 1228
Leave Well: 1250

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1202	5.85	13.02	72	9.02	5.98	178.9	78.24
1205	6.55	12.94	72	7.82	6.01	175.9	129.2
1208	7.25	12.90	72	5.61	5.98	174.7	124.4
1211	7.55	12.89	72	4.87	5.98	172.9	128.5
1214	7.55	12.99	72	4.62	5.98	171.5	124.6
1217	7.55	13.02	72	4.45	5.97	170.0	85.39
1220	7.55	13.01	72	4.39	5.95	172.7	87.64
1223	7.55	12.88	72	4.31	5.96	171.3	72.35

Time between recharge during sample collection: 20 Secs @ 3GPM

Sampling Personnel Signature: [signature]
Date: 4/21/2010

NOTES:

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

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen per cubic centimeter
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Surface Water Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
DATE: 4/20/2010
PROJECT NUMBER: 2313.1202
WEATHER: Rain 60°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-1

COMMENTS: Upstream surfacewater sample

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

TIME	TEMP (°C)	SPECIFIC COND. (µS)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1450	13.02	48	17.93	7.64	52.7	108.5	

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC	1	Appendix I Metals
125 mL PLASTIC		
40 mL GLASS	3	Appendix I VOCs
1 L GLASS		
OTHER		

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] Date: 4/20/2010

Notes: °C = degrees Celsius
µS = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Surface Water Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
DATE: 4/20/2010
PROJECT NUMBER: 2313.1202
WEATHER: Cloudy 55°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-2R

COMMENTS: Downstream surface water sample, collected upstream of pond

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

TIME	TEMP (°C)	SPECIFIC COND. (µS)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
935	10.95	062	17.86	5.39	62.4	36.63	orange particulates

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC	1	Appendix I ~~VOCs~~ Metals
125 mL PLASTIC		
40 mL GLASS	3	Appendix I VOCs
1 L GLASS		
OTHER		

VEGETATION: OK ACCESS: Good

Sampling Personnel Signature: Date: 4/20/2010

Notes: °C = degrees Celsius
µS = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Surface Water Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
DATE: 4/20/2010
PROJECT NUMBER: 2313.1202
WEATHER: Rain 60°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: LP-1

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

Sample time 13:45

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

TIME	TEMP (°C)	SPECIFIC COND. (µS)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1345	16.17	500	14.60	7.54	86.7	35.10	

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC	2	COD, Total Phosphorus, Nitrate
125 mL PLASTIC	2	Appendix I Metals, Sulfate
40 mL GLASS	3	Appendix I VOCs
1 L GLASS		
OTHER 1L Plastic	1	BOD

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] Date: 4/20/10

Notes: °C = degrees Celsius
µS = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Equipment Documentation & Instrument Calibration Data Sheet

Calibration Documentation

Project Name: Madison Co. Operating Landfill
Project Number: 2313.1207
Project Location: Marshall, NC

Person Conducting Calibration: E. Yerkovich
Date of Calibration: 4/20/2010
Date of Field Measurements: 4/20/2010

Equipment Documentation

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

Equipment Type	Serial Number	Brand	Date of Use
150-ft Water Level	26154	Solinist	
150-ft Water Level	22754	Solinist	
150-ft Water Level	150	Testwell	
150-ft Drawdown	MP30-1527	QED	
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
Aug 2011	200601045	Initial: 0.00	Initial: 12.00	Initial: 984.0
		Cal: 0.02	Cal: 10.0	Cal: 1000
		Time: 0740	Time: 0739	Time: 0737

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 8.74	Cal: 8.56	mmHg: 704.7	Time: 655			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.43	Cal: 7.00	Time: 7:04				Sept 2011
pH 4 S.U. *report to 0.1 S.U.*	Initial: 4.28	Cal: 3.99	Time: 709				June 2010
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.47	Cal: 10.02	Time: 714				March 2011
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 6.99	Meas: 7.08	Mid Day Time:	Check:	PM Time:	Check:	Sept 2011
Spec. Cond. 447/84/23 mS**	Initial: 445	Cal: 447	Time: 657				August 2010
QC* 84 mS	AM Time: 735	Meas: 86	Mid Day Time:	Check:	PM Time:	Check:	July 2010
ORP 200 mV	Initial: 202.7	Cal: 200.0	Time: 719				July 2010

Comments:

Signature: [signature] Date: 4/20/2010

Notes:
1. Electronic equipment calibrated according to the manufacturer's operation manual.
2. Specific Conductivity should be calibrated according to values representative of historic range.
3. Order of Calibration is as follows : Specific Conductivity, pH 7, pH 4, pH 10, ORP, QC checks.
4. QC Acceptable Ranges: pH +/- 0.1 S.U. and Specific Conductivity 10% of the true value. If readings are out of these ranges, meter needs to be recalibrated.
5. * Indicates that a QC check must be performed in the morning, afternoon, and the end of the day, or every four hours.
6. ** Indicates to choose a Specific Conductivity buffer of 447, 84, or 23 mS which is closest to historical readings from the project locatic

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WWW.ALTAMONTENVIRONMENTAL.COM

Equipment Documentation & Instrument Calibration Data Sheet

Calibration Documentation

Project Name: Madison Co. Operating Landfill
Person Conducting Calibration: B. Yurkovich
Project Number: 2313.002
Date of Calibration: 4/21/2010
Project Location: Marshall, NC
Date of Field Measurements: 4/21/2010

Equipment Documentation

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

Equipment Type	Serial Number	Brand	Date of Use
150-ft Water Level	26154	Solinist	
150-ft Water Level	22754	Solinist	
150-ft Water Level	150	Testwell	
150-ft Drawdown	MP30-1527	QED	4/21/10
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
August 2011	200601045	Initial: 0.76	Initial: 11.76	Initial: 956.3
		Cal: 0.01	Cal: 10.01	Cal: 1003
		Time: 734	Time: 735	Time: 736

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 10.49	Cal: 8.87	mmHg: 701.2	Time: 701			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.88	Cal: 7.00	Time: 708				Sept 2011
pH 4 S.U. *report to 0.1 S.U.*	Initial: 4.30	Cal: 4.00	Time: 713				June 2010
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.49	Cal: 10.02	Time: 718				March 2011
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 727	Meas: 7.01	Mid Day Time:	Check:	PM Time:	Check:	Sept 2011
Spec. Cond. 447/84/23 mS**	Initial: 447	Cal: 447	Time: 702				August 2010
QC* 84 mS	AM Time: 731	Meas: 85	Mid Day Time:	Check:	PM Time:	Check:	July 2010
ORP 200 mV	Initial: 201.7	Cal: 200.0	Time: 722				July 2010

Comments:

Signature: [signature] Date: 4/21/2010

Notes:
1. Electronic equipment calibrated according to the manufacturer's operation manual.
2. Specific Conductivity should be calibrated according to values representative of historic range.
3. Order of Calibration is as follows : Specific Conductivity, pH 7, pH 4, pH 10, ORP, QC checks.
4. QC Acceptable Ranges: pH +/- 0.1 S.U. and Specific Conductivity 10% of the true value. If readings are out of these ranges, meter needs to be recalibrated.
5. * Indicates that a QC check must be performed in the morning, afternoon, and the end of the day, or every four hours.
6. ** Indicates to choose a Specific Conductivity buffer of 447, 84, or 23 mS which is closest to historical readings from the project locatic

APPENDIX B
Laboratory Analytical Reports and Chain-of-Custody Documentation

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

May 05, 2010

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

RE: Project: Madison Co. Operating LF
Pace Project No.: 9267837

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2010. 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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(828)254-7176

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

CERTIFICATIONS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Minnesota Certification IDs

Washington Certification #: C754
Alaska Certification #: UST-078
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Tennessee Certification #: 02818
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
Michigan DEQ Certification #: 9909
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
Wisconsin Certification #: 999407970

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
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 #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr. Asheville, NC 28804
Connecticut Certification #: PH-0106
Virginia Certification #: 00072
Florida/NELAP Certification #: E87648
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 9903002
South Carolina Certification #: 9903001
Tennessee Certification #: 2980
West Virginia Certification #: 356

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(704)875-9092

SAMPLE SUMMARY

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9267837001	**MW-01**	Water	04/20/10 09:03	04/21/10 14:36
9267837002	**MW-02**	Water	04/21/10 10:02	04/21/10 14:36
9267837003	**MW-03**	Water	04/20/10 12:15	04/21/10 14:36
9267837004	**MW-04**	Water	04/20/10 13:09	04/21/10 14:36
9267837005	**MW-05**	Water	04/21/10 08:56	04/21/10 14:36
9267837006	**MW-6R**	Water	04/21/10 11:10	04/21/10 14:36
9267837007	**MW-7R**	Water	04/20/10 11:13	04/21/10 14:36
9267837008	**MW-08**	Water	04/20/10 10:10	04/21/10 14:36
9267837009	**MW-09**	Water	04/21/10 12:23	04/21/10 14:36
9267837010	**SW-1**	Water	04/20/10 14:50	04/21/10 14:36
9267837011	**SW-2R**	Water	04/20/10 09:35	04/21/10 14:36
9267837012	**Trip Blank**	Water	04/21/10 00:00	04/21/10 14:36

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9267837001	**MW-01**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837002	**MW-02**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837003	**MW-03**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837004	**MW-04**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837005	**MW-05**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837006	**MW-6R**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837007	**MW-7R**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837008	**MW-08**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837009	**MW-09**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837010	**SW-1**	EPA 6010	JMW	14	PASI-A

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837011	**SW-2R**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267837012	**Trip Blank**	EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-01 **Lab ID: 9267837001** Collected: 04/20/10 09:03 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/26/10 14:05	04/27/10 18:45	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/26/10 14:05	04/27/10 18:45	7440-38-2	
Barium	**101**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 18:45	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/26/10 14:05	04/27/10 18:45	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/26/10 14:05	04/27/10 18:45	7440-43-9	
Chromium	**0.74J**	ug/L	5.0	0.40	1	04/26/10 14:05	04/27/10 18:45	7440-47-3	
Cobalt	**5.0**	ug/L	5.0	0.60	1	04/26/10 14:05	04/27/10 18:45	7440-48-4	
Copper	**0.80J**	ug/L	5.0	0.30	1	04/26/10 14:05	04/27/10 18:45	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/26/10 14:05	04/27/10 18:45	7439-92-1	
Nickel	**2.9J**	ug/L	5.0	1.7	1	04/26/10 14:05	04/27/10 18:45	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/26/10 14:05	04/27/10 18:45	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/26/10 14:05	04/27/10 18:45	7440-22-4	
Vanadium	**1.3J**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 18:45	7440-62-2	
Zinc	**42.8**	ug/L	10.0	0.40	1	04/26/10 14:05	04/27/10 18:45	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 15:21	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 00:43	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 00:43	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 00:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 00:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 00:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 00:43	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 00:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 00:43	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 00:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 00:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 00:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 00:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 00:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 00:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 00:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 00:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 00:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 00:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 00:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 00:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 00:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 00:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 00:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 00:43	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-01 **Lab ID: 9267837001** Collected: 04/20/10 09:03 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 00:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 00:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 00:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 00:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 00:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 00:43	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 00:43	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 00:43	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 00:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 00:43	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 00:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 00:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 00:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 00:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 00:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 00:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 00:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 00:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 00:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 00:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 00:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 00:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 00:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 00:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 00:43	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/23/10 00:43	460-00-4	
Dibromofluoromethane (S)	97	%	85-115		1		04/23/10 00:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120		1		04/23/10 00:43	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		04/23/10 00:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-02 **Lab ID: 9267837002** Collected: 04/21/10 10:02 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/26/10 14:05	04/27/10 18:48	7440-36-0	
Arsenic	**6.1**	ug/L	5.0	2.7	1	04/26/10 14:05	04/27/10 18:48	7440-38-2	
Barium	**172**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 18:48	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/26/10 14:05	04/27/10 18:48	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/26/10 14:05	04/27/10 18:48	7440-43-9	
Chromium	**3.1J**	ug/L	5.0	0.40	1	04/26/10 14:05	04/27/10 18:48	7440-47-3	
Cobalt	**38.3**	ug/L	5.0	0.60	1	04/26/10 14:05	04/27/10 18:48	7440-48-4	
Copper	**2.0J**	ug/L	5.0	0.30	1	04/26/10 14:05	04/27/10 18:48	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/26/10 14:05	04/27/10 18:48	7439-92-1	
Nickel	**3.6J**	ug/L	5.0	1.7	1	04/26/10 14:05	04/27/10 18:48	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/26/10 14:05	04/27/10 18:48	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/26/10 14:05	04/27/10 18:48	7440-22-4	
Vanadium	**17.9**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 18:48	7440-62-2	
Zinc	**21.0**	ug/L	10.0	0.40	1	04/26/10 14:05	04/27/10 18:48	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 15:23	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 01:07	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 01:07	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 01:07	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 01:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 01:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 01:07	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 01:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 01:07	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 01:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 01:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 01:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 01:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 01:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 01:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 01:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 01:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 01:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 01:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 01:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 01:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 01:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 01:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 01:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 01:07	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-02 **Lab ID: 9267837002** Collected: 04/21/10 10:02 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 01:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 01:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 01:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 01:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 01:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 01:07	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 01:07	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 01:07	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 01:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 01:07	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 01:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 01:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 01:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 01:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 01:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 01:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 01:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 01:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 01:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 01:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 01:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 01:07	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 01:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 01:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 01:07	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/23/10 01:07	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/23/10 01:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/23/10 01:07	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		04/23/10 01:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-03 **Lab ID: 9267837003** Collected: 04/20/10 12:15 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/26/10 14:05	04/27/10 19:01	7440-36-0	
Arsenic	**4.9J**	ug/L	5.0	2.7	1	04/26/10 14:05	04/27/10 19:01	7440-38-2	
Barium	**242**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:01	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/26/10 14:05	04/27/10 19:01	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/26/10 14:05	04/27/10 19:01	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/26/10 14:05	04/27/10 19:01	7440-47-3	
Cobalt	**122**	ug/L	5.0	0.60	1	04/26/10 14:05	04/27/10 19:01	7440-48-4	
Copper	ND	ug/L	5.0	0.30	1	04/26/10 14:05	04/27/10 19:01	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/26/10 14:05	04/27/10 19:01	7439-92-1	
Nickel	**3.4J**	ug/L	5.0	1.7	1	04/26/10 14:05	04/27/10 19:01	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/26/10 14:05	04/27/10 19:01	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/26/10 14:05	04/27/10 19:01	7440-22-4	
Vanadium	**0.59J**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:01	7440-62-2	
Zinc	**46.2**	ug/L	10.0	0.40	1	04/26/10 14:05	04/27/10 19:01	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	**0.066J**	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 15:59	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 01:31	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 01:31	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 01:31	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 01:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 01:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 01:31	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 01:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 01:31	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 01:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 01:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 01:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 01:31	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 01:31	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 01:31	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 01:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 01:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 01:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 01:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 01:31	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 01:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 01:31	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 01:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 01:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 01:31	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-03 **Lab ID: 9267837003** Collected: 04/20/10 12:15 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 01:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 01:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 01:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 01:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 01:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 01:31	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 01:31	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 01:31	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 01:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 01:31	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 01:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 01:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 01:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 01:31	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 01:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 01:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 01:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 01:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 01:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 01:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 01:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 01:31	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 01:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 01:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 01:31	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		04/23/10 01:31	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		04/23/10 01:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		04/23/10 01:31	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/10 01:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-04 **Lab ID: 9267837004** Collected: 04/20/10 13:09 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/26/10 14:05	04/27/10 19:04	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/26/10 14:05	04/27/10 19:04	7440-38-2	
Barium	**133**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:04	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/26/10 14:05	04/27/10 19:04	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/26/10 14:05	04/27/10 19:04	7440-43-9	
Chromium	**0.94J**	ug/L	5.0	0.40	1	04/26/10 14:05	04/27/10 19:04	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	04/26/10 14:05	04/27/10 19:04	7440-48-4	
Copper	**0.66J**	ug/L	5.0	0.30	1	04/26/10 14:05	04/27/10 19:04	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/26/10 14:05	04/27/10 19:04	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/26/10 14:05	04/27/10 19:04	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/26/10 14:05	04/27/10 19:04	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/26/10 14:05	04/27/10 19:04	7440-22-4	
Vanadium	**4.4J**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:04	7440-62-2	
Zinc	**2.0J**	ug/L	10.0	0.40	1	04/26/10 14:05	04/27/10 19:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:02	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 01:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 01:55	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 01:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 01:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 01:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 01:55	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 01:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 01:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 01:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 01:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 01:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 01:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 01:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 01:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 01:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 01:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 01:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 01:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 01:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 01:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 01:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 01:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 01:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 01:55	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-04 **Lab ID: 9267837004** Collected: 04/20/10 13:09 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 01:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 01:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 01:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 01:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 01:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 01:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 01:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 01:55	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 01:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 01:55	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 01:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 01:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 01:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 01:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 01:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 01:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 01:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 01:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 01:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 01:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 01:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 01:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 01:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 01:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 01:55	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		04/23/10 01:55	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		04/23/10 01:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	79-120		1		04/23/10 01:55	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		04/23/10 01:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-05 **Lab ID: 9267837005** Collected: 04/21/10 08:56 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/26/10 14:05	04/27/10 19:07	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/26/10 14:05	04/27/10 19:07	7440-38-2	
Barium	**95.0**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:07	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/26/10 14:05	04/27/10 19:07	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/26/10 14:05	04/27/10 19:07	7440-43-9	
Chromium	**3.3J**	ug/L	5.0	0.40	1	04/26/10 14:05	04/27/10 19:07	7440-47-3	
Cobalt	**1.8J**	ug/L	5.0	0.60	1	04/26/10 14:05	04/27/10 19:07	7440-48-4	
Copper	**1.3J**	ug/L	5.0	0.30	1	04/26/10 14:05	04/27/10 19:07	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/26/10 14:05	04/27/10 19:07	7439-92-1	
Nickel	**5.8**	ug/L	5.0	1.7	1	04/26/10 14:05	04/27/10 19:07	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/26/10 14:05	04/27/10 19:07	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/26/10 14:05	04/27/10 19:07	7440-22-4	
Vanadium	**4.8J**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:07	7440-62-2	
Zinc	**44.1**	ug/L	10.0	0.40	1	04/26/10 14:05	04/27/10 19:07	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:04	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 02:19	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 02:19	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 02:19	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 02:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 02:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 02:19	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 02:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 02:19	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 02:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 02:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 02:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 02:19	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 02:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 02:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 02:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 02:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 02:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 02:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 02:19	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 02:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 02:19	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 02:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 02:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 02:19	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-05 **Lab ID: 9267837005** Collected: 04/21/10 08:56 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 02:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 02:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 02:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 02:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 02:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 02:19	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 02:19	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 02:19	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 02:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 02:19	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 02:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 02:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 02:19	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 02:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 02:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 02:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 02:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 02:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 02:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 02:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 02:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 02:19	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 02:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 02:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 02:19	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		04/23/10 02:19	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		04/23/10 02:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120		1		04/23/10 02:19	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		04/23/10 02:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-6R **Lab ID: 9267837006** Collected: 04/21/10 11:10 Received: 04/21/10 14:36 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	**5.2**	ug/L	5.0	2.6	1	04/26/10 14:05	04/27/10 19:10	7440-36-0	
Arsenic	**4.4J**	ug/L	5.0	2.7	1	04/26/10 14:05	04/27/10 19:10	7440-38-2	
Barium	**1210**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:10	7440-39-3	
Beryllium	**2.0**	ug/L	1.0	0.10	1	04/26/10 14:05	04/27/10 19:10	7440-41-7	
Cadmium	**2.6**	ug/L	1.0	0.50	1	04/26/10 14:05	04/27/10 19:10	7440-43-9	
Chromium	**46.7**	ug/L	5.0	0.40	1	04/26/10 14:05	04/27/10 19:10	7440-47-3	
Cobalt	**151**	ug/L	5.0	0.60	1	04/26/10 14:05	04/27/10 19:10	7440-48-4	
Copper	**27.8**	ug/L	5.0	0.30	1	04/26/10 14:05	04/27/10 19:10	7440-50-8	
Lead	**10.8**	ug/L	5.0	4.0	1	04/26/10 14:05	04/27/10 19:10	7439-92-1	
Nickel	**162**	ug/L	5.0	1.7	1	04/26/10 14:05	04/27/10 19:10	7440-02-0	
Selenium	**4.0J**	ug/L	10.0	3.8	1	04/26/10 14:05	04/27/10 19:10	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/26/10 14:05	04/27/10 19:10	7440-22-4	
Vanadium	**179**	ug/L	5.0	0.20	1	04/26/10 14:05	04/27/10 19:10	7440-62-2	
Zinc	**252**	ug/L	10.0	0.40	1	04/26/10 14:05	04/27/10 19:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:07	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 02:42	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 02:42	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 02:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 02:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 02:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 02:42	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 02:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 02:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 02:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 02:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 02:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 02:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 02:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 02:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 02:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 02:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 02:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 02:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 02:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 02:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 02:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 02:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 02:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 02:42	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-6R **Lab ID: 9267837006** Collected: 04/21/10 11:10 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 02:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 02:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 02:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 02:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 02:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 02:42	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 02:42	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 02:42	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 02:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 02:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 02:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 02:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 02:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 02:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 02:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 02:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 02:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 02:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 02:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 02:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 02:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 02:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 02:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 02:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 02:42	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/23/10 02:42	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/23/10 02:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120		1		04/23/10 02:42	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/23/10 02:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-7R **Lab ID: 9267837007** Collected: 04/20/10 11:13 Received: 04/21/10 14:36 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	10.0	5.2	2	04/27/10 16:30	05/04/10 11:01	7440-36-0	D3
Arsenic	**25.4**	ug/L	10.0	5.4	2	04/27/10 16:30	05/04/10 11:01	7440-38-2	D3
Barium	**782**	ug/L	10.0	0.40	2	04/27/10 16:30	05/04/10 11:01	7440-39-3	D3
Beryllium	**5.9**	ug/L	2.0	0.20	2	04/27/10 16:30	05/04/10 11:01	7440-41-7	D3
Cadmium	ND	ug/L	2.0	1.0	2	04/27/10 16:30	05/04/10 11:01	7440-43-9	D3
Chromium	**117**	ug/L	10.0	0.80	2	04/27/10 16:30	05/04/10 11:01	7440-47-3	D3
Cobalt	**63.0**	ug/L	10.0	1.2	2	04/27/10 16:30	05/04/10 11:01	7440-48-4	D3
Copper	**25.4**	ug/L	10.0	0.60	2	04/27/10 16:30	05/04/10 11:01	7440-50-8	D3
Lead	**23.4**	ug/L	10.0	8.0	2	04/27/10 16:30	05/04/10 11:01	7439-92-1	D3
Nickel	**55.4**	ug/L	10.0	3.4	2	04/27/10 16:30	05/04/10 11:01	7440-02-0	D3
Selenium	ND	ug/L	20.0	7.6	2	04/27/10 16:30	05/04/10 11:01	7782-49-2	D3
Silver	ND	ug/L	10.0	0.20	2	04/27/10 16:30	05/04/10 11:01	7440-22-4	D3
Vanadium	**170**	ug/L	10.0	0.40	2	04/27/10 16:30	05/04/10 11:01	7440-62-2	D3
Zinc	**270**	ug/L	20.0	0.80	2	04/27/10 16:30	05/04/10 11:01	7440-66-6	D3
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:09	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 03:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 03:06	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 03:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 03:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 03:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 03:06	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 03:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 03:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 03:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 03:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 03:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 03:06	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 03:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 03:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 03:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 03:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 03:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 03:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 03:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 03:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 03:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 03:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 03:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 03:06	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-7R **Lab ID: 9267837007** Collected: 04/20/10 11:13 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 03:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 03:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 03:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 03:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 03:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 03:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 03:06	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 03:06	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 03:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 03:06	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 03:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 03:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 03:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 03:06	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 03:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 03:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 03:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 03:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 03:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 03:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 03:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 03:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 03:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 03:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 03:06	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		04/23/10 03:06	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		04/23/10 03:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120		1		04/23/10 03:06	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		04/23/10 03:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-08 **Lab ID: 9267837008** Collected: 04/20/10 10:10 Received: 04/21/10 14:36 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	**3.1J**	ug/L	5.0	2.6	1	04/27/10 16:30	05/01/10 04:37	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/27/10 16:30	05/01/10 04:37	7440-38-2	
Barium	**51.4**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 04:37	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/27/10 16:30	05/01/10 04:37	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/27/10 16:30	05/01/10 04:37	7440-43-9	
Chromium	**2.8J**	ug/L	5.0	0.40	1	04/27/10 16:30	05/01/10 04:37	7440-47-3	
Cobalt	**0.91J**	ug/L	5.0	0.60	1	04/27/10 16:30	05/01/10 04:37	7440-48-4	
Copper	**1.4J**	ug/L	5.0	0.30	1	04/27/10 16:30	05/01/10 04:37	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/27/10 16:30	05/01/10 04:37	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/27/10 16:30	05/01/10 04:37	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/27/10 16:30	05/01/10 04:37	7782-49-2	
Silver	**0.42J**	ug/L	5.0	0.10	1	04/27/10 16:30	05/01/10 04:37	7440-22-4	
Vanadium	**6.9**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 04:37	7440-62-2	
Zinc	**62.8**	ug/L	10.0	0.40	1	04/27/10 16:30	05/01/10 04:37	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 17:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:12	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 03:30	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 03:30	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 03:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 03:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 03:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 03:30	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 03:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 03:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 03:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 03:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 03:30	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 03:30	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 03:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 03:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 03:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 03:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 03:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 03:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 03:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 03:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 03:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 03:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 03:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 03:30	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-08 **Lab ID: 9267837008** Collected: 04/20/10 10:10 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 03:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 03:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 03:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 03:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 03:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 03:30	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 03:30	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 03:30	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 03:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 03:30	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 03:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 03:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 03:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 03:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 03:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 03:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 03:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 03:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 03:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 03:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 03:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 03:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 03:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 03:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 03:30	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		04/23/10 03:30	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		04/23/10 03:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		04/23/10 03:30	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/23/10 03:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-09 **Lab ID: 9267837009** Collected: 04/21/10 12:23 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/27/10 16:30	05/01/10 04:53	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/27/10 16:30	05/01/10 04:53	7440-38-2	
Barium	**184**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 04:53	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/27/10 16:30	05/01/10 04:53	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/27/10 16:30	05/01/10 04:53	7440-43-9	
Chromium	**2.1J**	ug/L	5.0	0.40	1	04/27/10 16:30	05/01/10 04:53	7440-47-3	
Cobalt	**3.3J**	ug/L	5.0	0.60	1	04/27/10 16:30	05/01/10 04:53	7440-48-4	
Copper	**2.3J**	ug/L	5.0	0.30	1	04/27/10 16:30	05/01/10 04:53	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/27/10 16:30	05/01/10 04:53	7439-92-1	
Nickel	**2.2J**	ug/L	5.0	1.7	1	04/27/10 16:30	05/01/10 04:53	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/27/10 16:30	05/01/10 04:53	7782-49-2	
Silver	**0.46J**	ug/L	5.0	0.10	1	04/27/10 16:30	05/01/10 04:53	7440-22-4	
Vanadium	**8.9**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 04:53	7440-62-2	
Zinc	**23.7**	ug/L	10.0	0.40	1	04/27/10 16:30	05/01/10 04:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 18:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:14	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 03:54	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 03:54	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 03:54	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 03:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 03:54	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 03:54	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 03:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 03:54	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 03:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 03:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 03:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 03:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 03:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 03:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 03:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 03:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 03:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 03:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 03:54	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 03:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 03:54	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 03:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 03:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 03:54	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: MW-09 **Lab ID: 9267837009** Collected: 04/21/10 12:23 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 03:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 03:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 03:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 03:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 03:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 03:54	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 03:54	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 03:54	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 03:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 03:54	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 03:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 03:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 03:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 03:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 03:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 03:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 03:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 03:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 03:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 03:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 03:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 03:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 03:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 03:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 03:54	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		04/23/10 03:54	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/23/10 03:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		04/23/10 03:54	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		04/23/10 03:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: SW-1 **Lab ID: 9267837010** Collected: 04/20/10 14:50 Received: 04/21/10 14:36 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	**3.5J**	ug/L	5.0	2.6	1	04/27/10 16:30	05/01/10 04:57	7440-36-0	
Arsenic	**2.8J**	ug/L	5.0	2.7	1	04/27/10 16:30	05/01/10 04:57	7440-38-2	
Barium	**95.7**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 04:57	7440-39-3	
Beryllium	**0.19J**	ug/L	1.0	0.10	1	04/27/10 16:30	05/01/10 04:57	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/27/10 16:30	05/01/10 04:57	7440-43-9	
Chromium	**10**	ug/L	5.0	0.40	1	04/27/10 16:30	05/01/10 04:57	7440-47-3	
Cobalt	**6.2**	ug/L	5.0	0.60	1	04/27/10 16:30	05/01/10 04:57	7440-48-4	
Copper	**6.3**	ug/L	5.0	0.30	1	04/27/10 16:30	05/01/10 04:57	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/27/10 16:30	05/01/10 04:57	7439-92-1	
Nickel	**3.8J**	ug/L	5.0	1.7	1	04/27/10 16:30	05/01/10 04:57	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/27/10 16:30	05/01/10 04:57	7782-49-2	
Silver	**0.32J**	ug/L	5.0	0.10	1	04/27/10 16:30	05/01/10 04:57	7440-22-4	
Vanadium	**13.2**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 04:57	7440-62-2	
Zinc	**29.2**	ug/L	10.0	0.40	1	04/27/10 16:30	05/01/10 04:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 18:15	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:17	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 04:18	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 04:18	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 04:18	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 04:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 04:18	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 04:18	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 04:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 04:18	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 04:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 04:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 04:18	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 04:18	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 04:18	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 04:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 04:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 04:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 04:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 04:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 04:18	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 04:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 04:18	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 04:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 04:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 04:18	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: SW-1 **Lab ID: 9267837010** Collected: 04/20/10 14:50 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 04:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 04:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 04:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 04:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 04:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 04:18	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 04:18	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 04:18	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 04:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 04:18	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 04:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 04:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 04:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 04:18	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 04:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 04:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 04:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 04:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 04:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 04:18	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 04:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 04:18	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 04:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 04:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 04:18	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/23/10 04:18	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		04/23/10 04:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120		1		04/23/10 04:18	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/10 04:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: SW-2R **Lab ID: 9267837011** Collected: 04/20/10 09:35 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/27/10 16:30	05/01/10 05:00	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/27/10 16:30	05/01/10 05:00	7440-38-2	
Barium	**78.2**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 05:00	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/27/10 16:30	05/01/10 05:00	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/27/10 16:30	05/01/10 05:00	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/27/10 16:30	05/01/10 05:00	7440-47-3	
Cobalt	**27.1**	ug/L	5.0	0.60	1	04/27/10 16:30	05/01/10 05:00	7440-48-4	
Copper	**0.42J**	ug/L	5.0	0.30	1	04/27/10 16:30	05/01/10 05:00	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/27/10 16:30	05/01/10 05:00	7439-92-1	
Nickel	**4.1J**	ug/L	5.0	1.7	1	04/27/10 16:30	05/01/10 05:00	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/27/10 16:30	05/01/10 05:00	7782-49-2	
Silver	**0.37J**	ug/L	5.0	0.10	1	04/27/10 16:30	05/01/10 05:00	7440-22-4	
Vanadium	**3.7J**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 05:00	7440-62-2	
Zinc	**6.7J**	ug/L	10.0	0.40	1	04/27/10 16:30	05/01/10 05:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 18:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:19	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/10 04:42	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/10 04:42	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/10 04:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/10 04:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/10 04:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/10 04:42	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/23/10 04:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/10 04:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/10 04:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/10 04:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/10 04:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/10 04:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/10 04:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/10 04:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/23/10 04:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/10 04:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/10 04:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/10 04:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/10 04:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/10 04:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/10 04:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/10 04:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/10 04:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/10 04:42	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: SW-2R **Lab ID: 9267837011** Collected: 04/20/10 09:35 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/10 04:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/10 04:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/10 04:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/10 04:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/10 04:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/10 04:42	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/10 04:42	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/10 04:42	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/23/10 04:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/10 04:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/10 04:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/10 04:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/10 04:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/10 04:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/10 04:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/10 04:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/10 04:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/10 04:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/10 04:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/10 04:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/10 04:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/10 04:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/10 04:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/10 04:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/10 04:42	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		04/23/10 04:42	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		04/23/10 04:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		04/23/10 04:42	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/23/10 04:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: Trip Blank **Lab ID: 9267837012** Collected: 04/21/10 00:00 Received: 04/21/10 14:36 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		04/22/10 23:07	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/22/10 23:07	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/22/10 23:07	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/22/10 23:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/22/10 23:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/22/10 23:07	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/22/10 23:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/22/10 23:07	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/22/10 23:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/22/10 23:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/22/10 23:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/22/10 23:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/22/10 23:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/22/10 23:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/22/10 23:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/22/10 23:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/22/10 23:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/22/10 23:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/22/10 23:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/22/10 23:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/22/10 23:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/22/10 23:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/22/10 23:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/22/10 23:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/22/10 23:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/22/10 23:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/22/10 23:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/22/10 23:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/22/10 23:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/22/10 23:07	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/22/10 23:07	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/22/10 23:07	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/22/10 23:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/22/10 23:07	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/22/10 23:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/22/10 23:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/22/10 23:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/22/10 23:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/22/10 23:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/22/10 23:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/22/10 23:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/22/10 23:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/22/10 23:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/22/10 23:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/22/10 23:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/22/10 23:07	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

Sample: Trip Blank **Lab ID: 9267837012** Collected: 04/21/10 00:00 Received: 04/21/10 14:36 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		04/22/10 23:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/22/10 23:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/22/10 23:07	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		04/22/10 23:07	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		04/22/10 23:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	79-120		1		04/22/10 23:07	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/22/10 23:07	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

QC Batch: MPRP/6211 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006

METHOD BLANK: 433914 Matrix: Water
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	04/28/10 12:12	
Arsenic	ug/L	ND	5.0	04/28/10 12:12	
Barium	ug/L	ND	5.0	04/28/10 12:12	
Beryllium	ug/L	ND	1.0	04/28/10 12:12	
Cadmium	ug/L	ND	1.0	04/28/10 12:12	
Chromium	ug/L	ND	5.0	04/28/10 12:12	
Cobalt	ug/L	ND	5.0	04/28/10 12:12	
Copper	ug/L	ND	5.0	04/28/10 12:12	
Lead	ug/L	ND	5.0	04/28/10 12:12	
Nickel	ug/L	ND	5.0	04/28/10 12:12	
Selenium	ug/L	ND	10.0	04/28/10 12:12	
Silver	ug/L	ND	5.0	04/28/10 12:12	
Vanadium	ug/L	ND	5.0	04/28/10 12:12	
Zinc	ug/L	ND	10.0	04/28/10 12:12	

LABORATORY CONTROL SAMPLE: 433915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	483	97	80-120	
Arsenic	ug/L	500	496	99	80-120	
Barium	ug/L	500	492	98	80-120	
Beryllium	ug/L	500	492	98	80-120	
Cadmium	ug/L	500	499	100	80-120	
Chromium	ug/L	500	502	100	80-120	
Cobalt	ug/L	500	500	100	80-120	
Copper	ug/L	500	494	99	80-120	
Lead	ug/L	500	499	100	80-120	
Nickel	ug/L	500	501	100	80-120	
Selenium	ug/L	500	488	98	80-120	
Silver	ug/L	250	226	90	80-120	
Vanadium	ug/L	500	495	99	80-120	
Zinc	ug/L	500	498	100	80-120	

MATRIX SPIKE SAMPLE: 433916

Parameter	Units	9267726013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	483	97	75-125	
Arsenic	ug/L	18.3	500	523	101	75-125	
Barium	ug/L	163	500	622	92	75-125	
Beryllium	ug/L	ND	500	476	95	75-125	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

MATRIX SPIKE SAMPLE: 433916

Parameter	Units	9267726013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	ND	500	479	96	75-125	
Chromium	ug/L	ND	500	484	96	75-125	
Cobalt	ug/L	40.0	500	502	92	75-125	
Copper	ug/L	ND	500	491	98	75-125	
Lead	ug/L	ND	500	462	92	75-125	
Nickel	ug/L	ND	500	482	94	75-125	
Selenium	ug/L	ND	500	500	100	75-125	
Silver	ug/L	ND	250	222	89	75-125	
Vanadium	ug/L	ND	500	502	98	75-125	
Zinc	ug/L	10.1	500	506	99	75-125	

SAMPLE DUPLICATE: 433917

Parameter	Units	9267726014 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	10.1	14.0	32	25	R1
Barium	ug/L	240	248	3	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	0.50J		25	
Chromium	ug/L	ND	ND		25	
Cobalt	ug/L	73.0	74.8	2	25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	14.8	0	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	0.15J		25	
Vanadium	ug/L	ND	2.0J		25	
Zinc	ug/L	ND	3.7J		25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

QC Batch: MPRP/6216 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9267837007, 9267837008, 9267837009, 9267837010, 9267837011

METHOD BLANK: 434122 Matrix: Water
Associated Lab Samples: 9267837007, 9267837008, 9267837009, 9267837010, 9267837011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	05/01/10 04:23	
Arsenic	ug/L	ND	5.0	05/01/10 04:23	
Barium	ug/L	ND	5.0	05/01/10 04:23	
Beryllium	ug/L	ND	1.0	05/01/10 04:23	
Cadmium	ug/L	ND	1.0	05/01/10 04:23	
Chromium	ug/L	ND	5.0	05/01/10 04:23	
Cobalt	ug/L	ND	5.0	05/01/10 04:23	
Copper	ug/L	0.47J	5.0	05/01/10 04:23	
Lead	ug/L	ND	5.0	05/01/10 04:23	
Nickel	ug/L	ND	5.0	05/01/10 04:23	
Selenium	ug/L	ND	10.0	05/01/10 04:23	
Silver	ug/L	0.21J	5.0	05/01/10 04:23	
Vanadium	ug/L	ND	5.0	05/01/10 04:23	
Zinc	ug/L	ND	10.0	05/01/10 04:23	

LABORATORY CONTROL SAMPLE: 434123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	467	93	80-120	
Arsenic	ug/L	500	463	93	80-120	
Barium	ug/L	500	486	97	80-120	
Beryllium	ug/L	500	489	98	80-120	
Cadmium	ug/L	500	464	93	80-120	
Chromium	ug/L	500	470	94	80-120	
Cobalt	ug/L	500	475	95	80-120	
Copper	ug/L	500	483	97	80-120	
Lead	ug/L	500	469	94	80-120	
Nickel	ug/L	500	464	93	80-120	
Selenium	ug/L	500	462	92	80-120	
Silver	ug/L	250	214	86	80-120	
Vanadium	ug/L	500	482	96	80-120	
Zinc	ug/L	500	460	92	80-120	

MATRIX SPIKE SAMPLE: 434124

Parameter	Units	9267837007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	198	39	75-125	M0
Arsenic	ug/L	25.4	500	368	69	75-125	M0
Barium	ug/L	782	500	1180	79	75-125	
Beryllium	ug/L	5.9	500	398	78	75-125	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

MATRIX SPIKE SAMPLE: 434124

Parameter	Units	9267837007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	ND	500	374	75	75-125	
Chromium	ug/L	117	500	502	77	75-125	
Cobalt	ug/L	63.0	500	424	72	75-125	M0
Copper	ug/L	25.4	500	418	79	75-125	
Lead	ug/L	23.4	500	388	73	75-125	M0
Nickel	ug/L	55.4	500	432	75	75-125	
Selenium	ug/L	ND	500	368	73	75-125	M0
Silver	ug/L	ND	250	175	70	75-125	M0
Vanadium	ug/L	170	500	564	79	75-125	
Zinc	ug/L	270	500	652	76	75-125	

SAMPLE DUPLICATE: 434125

Parameter	Units	9267837008 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	3.1J	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	51.4	51.0	1	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	2.8J	3.0J		25	
Cobalt	ug/L	0.91J	1.2J		25	
Copper	ug/L	1.4J	1.3J		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.42J	0.36J		25	
Vanadium	ug/L	6.9	6.9	1	25	
Zinc	ug/L	62.8	62.1	1	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

QC Batch: ICPM/20131 Analysis Method: EPA 6020
QC Batch Method: EPA 6020 Analysis Description: 6020 MET
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011

METHOD BLANK: 778817 Matrix: Water
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.10	04/26/10 16:06	

LABORATORY CONTROL SAMPLE: 778818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	81.6	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778819 778820

Parameter	Units	9267856001 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	83.1	84.0	104	105	70-130	1	20	

MATRIX SPIKE SAMPLE: 778821

Parameter	Units	9267837008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	86.0	108	70-130	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

QC Batch: MERP/2778 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011

METHOD BLANK: 432354 Matrix: Water
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/26/10 14:28	

LABORATORY CONTROL SAMPLE: 432355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	80-120	

MATRIX SPIKE SAMPLE: 432356

Parameter	Units	9267722001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	14.6	2.5	16.2	66	75-125	M0

SAMPLE DUPLICATE: 432357

Parameter	Units	9267722002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

QC Batch: MSV/10708 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011, 9267837012

METHOD BLANK: 432454 Matrix: Water
Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011, 9267837012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1-Dichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1-Dichloroethene	ug/L	ND	1.0	04/22/10 22:43	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/22/10 22:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dichloropropane	ug/L	ND	1.0	04/22/10 22:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/22/10 22:43	
2-Butanone (MEK)	ug/L	ND	5.0	04/22/10 22:43	
2-Hexanone	ug/L	ND	5.0	04/22/10 22:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/22/10 22:43	
Acetone	ug/L	ND	25.0	04/22/10 22:43	
Acrylonitrile	ug/L	ND	10.0	04/22/10 22:43	
Benzene	ug/L	ND	1.0	04/22/10 22:43	
Bromochloromethane	ug/L	ND	1.0	04/22/10 22:43	
Bromodichloromethane	ug/L	ND	1.0	04/22/10 22:43	
Bromoform	ug/L	ND	1.0	04/22/10 22:43	
Bromomethane	ug/L	ND	5.0	04/22/10 22:43	
Carbon disulfide	ug/L	ND	2.0	04/22/10 22:43	
Carbon tetrachloride	ug/L	ND	1.0	04/22/10 22:43	
Chlorobenzene	ug/L	ND	1.0	04/22/10 22:43	
Chloroethane	ug/L	ND	1.0	04/22/10 22:43	
Chloroform	ug/L	ND	1.0	04/22/10 22:43	
Chloromethane	ug/L	ND	1.0	04/22/10 22:43	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/22/10 22:43	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/22/10 22:43	
Dibromochloromethane	ug/L	ND	1.0	04/22/10 22:43	
Dibromomethane	ug/L	ND	1.0	04/22/10 22:43	
Ethylbenzene	ug/L	ND	1.0	04/22/10 22:43	
Iodomethane	ug/L	ND	5.0	04/22/10 22:43	
m&p-Xylene	ug/L	ND	2.0	04/22/10 22:43	
Methylene Chloride	ug/L	2.5	2.0	04/22/10 22:43	C9
o-Xylene	ug/L	ND	1.0	04/22/10 22:43	
Styrene	ug/L	ND	1.0	04/22/10 22:43	
Tetrachloroethene	ug/L	ND	1.0	04/22/10 22:43	
Toluene	ug/L	ND	1.0	04/22/10 22:43	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

METHOD BLANK: 432454 Matrix: Water

Associated Lab Samples: 9267837001, 9267837002, 9267837003, 9267837004, 9267837005, 9267837006, 9267837007, 9267837008, 9267837009, 9267837010, 9267837011, 9267837012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/22/10 22:43	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/22/10 22:43	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/22/10 22:43	
Trichloroethene	ug/L	ND	1.0	04/22/10 22:43	
Trichlorofluoromethane	ug/L	ND	1.0	04/22/10 22:43	
Vinyl acetate	ug/L	ND	2.0	04/22/10 22:43	
Vinyl chloride	ug/L	ND	1.0	04/22/10 22:43	
Xylene (Total)	ug/L	ND	2.0	04/22/10 22:43	
1,2-Dichloroethane-d4 (S)	%	96	79-120	04/22/10 22:43	
4-Bromofluorobenzene (S)	%	99	87-109	04/22/10 22:43	
Dibromofluoromethane (S)	%	99	85-115	04/22/10 22:43	
Toluene-d8 (S)	%	100	70-120	04/22/10 22:43	

LABORATORY CONTROL SAMPLE: 432455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.5	105	83-125	
1,1,1-Trichloroethane	ug/L	50	49.3	99	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	73-127	
1,1,2-Trichloroethane	ug/L	50	50.4	101	77-123	
1,1-Dichloroethane	ug/L	50	48.9	98	76-129	
1,1-Dichloroethene	ug/L	50	47.2	94	78-146	
1,2,3-Trichloropropane	ug/L	50	51.1	102	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	51.6	103	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.2	106	81-125	
1,2-Dichlorobenzene	ug/L	50	55.2	110	82-126	
1,2-Dichloroethane	ug/L	50	48.1	96	72-126	
1,2-Dichloropropane	ug/L	50	48.2	96	80-127	
1,4-Dichlorobenzene	ug/L	50	53.4	107	79-125	
2-Butanone (MEK)	ug/L	100	98.6	99	50-134	
2-Hexanone	ug/L	100	115	115	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.7	100	70-131	
Acetone	ug/L	100	115	115	50-146	
Acrylonitrile	ug/L	250	265	106	66-124	
Benzene	ug/L	50	49.1	98	78-128	
Bromochloromethane	ug/L	50	48.5	97	73-124	
Bromodichloromethane	ug/L	50	46.4	93	81-125	
Bromoform	ug/L	50	53.9	108	71-125	
Bromomethane	ug/L	50	48.5	97	50-150	
Carbon disulfide	ug/L	50	45.7	91	54-150	
Carbon tetrachloride	ug/L	50	49.7	99	81-137	
Chlorobenzene	ug/L	50	52.7	105	82-126	
Chloroethane	ug/L	50	43.3	87	69-140	
Chloroform	ug/L	50	47.9	96	77-129	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

LABORATORY CONTROL SAMPLE: 432455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	43.6	87	54-139	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	76-133	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	76-127	
Dibromochloromethane	ug/L	50	54.0	108	77-125	
Dibromomethane	ug/L	50	55.9	112	77-125	
Ethylbenzene	ug/L	50	53.3	107	80-127	
Iodomethane	ug/L	100	109	109	65-172	
m&p-Xylene	ug/L	100	108	108	82-127	
Methylene Chloride	ug/L	50	44.8	90	67-133	
o-Xylene	ug/L	50	54.5	109	83-124	
Styrene	ug/L	50	55.2	110	80-130	
Tetrachloroethene	ug/L	50	55.7	111	78-128	
Toluene	ug/L	50	49.3	99	76-126	
trans-1,2-Dichloroethene	ug/L	50	47.3	95	78-134	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	50.6	101	51-140	
Trichloroethene	ug/L	50	48.8	98	79-127	
Trichlorofluoromethane	ug/L	50	40.1	80	76-148	
Vinyl acetate	ug/L	100	99.0	99	50-150	
Vinyl chloride	ug/L	50	43.2	86	67-143	
Xylene (Total)	ug/L	150	162	108	83-125	
1,2-Dichloroethane-d4 (S)	%			99	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			97	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 432456 432457

Parameter	Units	9267837011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	63.3	59.5	127	119	70-130	6	30	
1,1,1-Trichloroethane	ug/L	ND	50	50	58.3	58.3	117	117	70-130	0	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	56.8	56.2	114	112	70-130	1	30	
1,1,2-Trichloroethane	ug/L	ND	50	50	59.2	57.2	118	114	70-130	4	30	
1,1-Dichloroethane	ug/L	ND	50	50	55.5	57.3	111	115	70-130	3	30	
1,1-Dichloroethene	ug/L	ND	50	50	54.1	55.2	108	110	60-150	2	30	
1,2,3-Trichloropropane	ug/L	ND	50	50	57.7	57.2	115	114	70-130	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	56.2	57.8	112	116	70-130	3	30	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	60.6	59.1	121	118	70-130	2	30	
1,2-Dichlorobenzene	ug/L	ND	50	50	63.1	62.9	126	126	70-130	0	30	
1,2-Dichloroethane	ug/L	ND	50	50	54.3	54.9	109	110	75-119	1	30	
1,2-Dichloropropane	ug/L	ND	50	50	57.6	56.0	115	112	70-130	3	30	
1,4-Dichlorobenzene	ug/L	ND	50	50	61.6	60.6	123	121	74-134	2	30	
2-Butanone (MEK)	ug/L	ND	100	100	107	105	107	105	50-150	1	30	
2-Hexanone	ug/L	ND	100	100	125	123	125	123	70-130	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	114	112	114	112	70-130	2	30	
Acetone	ug/L	ND	100	100	95.6	100	96	100	70-130	5	30	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9267837

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 432456 432457

Parameter	Units	9267837011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acrylonitrile	ug/L	ND	250	250	306	302	122	121	70-130	1	30	
Benzene	ug/L	ND	50	50	58.7	56.4	117	113	74-136	4	30	
Bromochloromethane	ug/L	ND	50	50	57.2	55.8	114	112	70-130	3	30	
Bromodichloromethane	ug/L	ND	50	50	54.4	53.0	109	106	70-130	3	30	
Bromoform	ug/L	ND	50	50	61.3	59.3	123	119	70-130	3	30	
Bromomethane	ug/L	ND	50	50	48.8	57.2	98	114	70-130	16	30	
Carbon disulfide	ug/L	ND	50	50	53.9	50.4	108	101	70-130	7	30	
Carbon tetrachloride	ug/L	ND	50	50	59.9	57.6	120	115	86-112	4	30	M0
Chlorobenzene	ug/L	ND	50	50	62.6	61.1	125	122	79-135	3	30	
Chloroethane	ug/L	ND	50	50	51.7	48.7	103	97	70-130	6	30	
Chloroform	ug/L	ND	50	50	54.9	53.6	110	107	91-116	2	30	
Chloromethane	ug/L	ND	50	50	50.5	52.5	101	105	70-130	4	30	
cis-1,2-Dichloroethene	ug/L	ND	50	50	56.2	56.8	112	114	70-130	1	30	
cis-1,3-Dichloropropene	ug/L	ND	50	50	54.1	53.1	108	106	70-130	2	30	
Dibromochloromethane	ug/L	ND	50	50	60.8	58.8	122	118	70-130	3	30	
Dibromomethane	ug/L	ND	50	50	62.4	61.4	125	123	70-130	2	30	
Ethylbenzene	ug/L	ND	50	50	63.3	61.3	127	123	70-130	3	30	
Iodomethane	ug/L	ND	100	100	96.8	118	97	118	70-130	20	30	
m&p-Xylene	ug/L	ND	100	100	128	121	128	121	70-130	5	30	
Methylene Chloride	ug/L	ND	50	50	48.9	49.4	98	99	70-130	1	30	
o-Xylene	ug/L	ND	50	50	64.6	61.8	129	124	70-130	4	30	
Styrene	ug/L	ND	50	50	63.8	62.0	128	124	70-130	3	30	
Tetrachloroethene	ug/L	ND	50	50	67.7	64.2	135	128	67-145	5	30	
Toluene	ug/L	ND	50	50	60.0	57.3	120	115	73-131	5	30	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.6	55.1	109	110	70-130	1	30	
trans-1,3-Dichloropropene	ug/L	ND	50	50	55.6	53.8	111	108	70-130	3	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	56.0	55.4	112	111	70-130	1	30	
Trichloroethene	ug/L	ND	50	50	58.6	56.8	117	114	73-131	3	30	
Trichlorofluoromethane	ug/L	ND	50	50	50.9	49.7	102	99	70-130	2	30	
Vinyl acetate	ug/L	ND	100	100	79.6	78.2	80	78	70-130	2	30	
Vinyl chloride	ug/L	ND	50	50	51.2	50.1	102	100	50-150	2	30	
1,2-Dichloroethane-d4 (S)	%						96	99	79-120			
4-Bromofluorobenzene (S)	%						100	100	87-109			
Dibromofluoromethane (S)	%						96	99	85-115			
Toluene-d8 (S)	%						99	100	70-120			

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(704)875-9092

QUALIFIERS

Project: Madison Co. Operating LF
Pace Project No.: 9267837

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

C9	Common Laboratory Contaminant.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside 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 1

1349770

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Joel Lonk
Copy To:
Purchase Order No.:
Project Name: Madison Co. Operating LF
Project Number: 8313.1202

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Attamont
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): Appendix I VOCs; Appendix I Halos 601b

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) Appendix I VOCs	Appendix I Halos 601b	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-01	WT	G			4/20/10	903	11	4			X	X					X	X		9267837-001
2	MW-02	WT	G			4/21/10	1002	10	4			X	X					X	X		-002
3	MW-03	WT	G			4/20/10	1215	15	4			X	X					X	X		-003
4	MW-04	WT	G			4/20/10	1369	15	4			X	X					X	X		-004
5	MW-05	WT	G			4/21/10	856	13	4			X	X					X	X		-005
6	MW-6R	WT	G			4/21/10	1110	12	4			X	X					X	X		-006
7	MW-7R	WT	G			4/20/10	1113	14	4			X	X					X	X		-007
8	MW-08	WT	G			4/20/10	1010	13	4			X	X					X	X		-008
9	MW-09	WT	G			4/21/10	1223	13	4			X	X					X	X		-009
10	SW-1	WT	G			4/20/10	1450	13	4			X	X					X	X		-010
11	SW-2R	WT	G			4/20/10	935	11	4			X	X					X	X		-011
12	TRIP BLANK LAB								2				X					X			-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- VOCs by 8260 Low Level	Evan Yurkanin / Attamont	4/21/10	1436	Lorri Patton	4/21/10	1436	2.0	Y	N	Y
- Include PQLs, qualifiers										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkanin
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/21/10

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Altamont Project # 9267837

Where Received: ☐ Huntersville ☒ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun#2 / 72490786 **Type of Ice:** Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.8 C

Corrected Cooler Temp.: 2.0 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4/21/10 LP

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	LP
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes	☐No		Initial when completed
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased):_____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: LP **Date:** 4/21/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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May 06, 2010

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

RE: Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2010. 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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(704)875-9092

CERTIFICATIONS

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Minnesota Certification IDs

Washington Certification #: C754
Alaska Certification #: UST-078
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
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New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
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Louisiana Certification #: LA080009
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Illinois Certification #: 200011
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California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
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South Carolina Bioassay Certification #: 9903002
South Carolina Certification #: 9903001
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SAMPLE SUMMARY

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9267842001	**LP-1**	Water	04/20/10 13:45	04/21/10 14:36
9267842002	**Trip Blank**	Water	04/21/10 00:00	04/21/10 14:36

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9267842001	**LP-1**	EPA 6010	JMW	14	PASI-A
		EPA 6020	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 5210B	SAJ	1	PASI-A
		EPA 353.2	RAB	1	PASI-A
		EPA 365.1	JDA	1	PASI-A
		SM 5220D	MLM	1	PASI-A
		ASTM D516-90	SAJ	1	PASI-A
9267842002	**Trip Blank**	EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Sample: LP-1 **Lab ID: 9267842001** Collected: 04/20/10 13:45 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/27/10 16:30	05/01/10 05:04	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/27/10 16:30	05/01/10 05:04	7440-38-2	
Barium	**54.6**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 05:04	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/27/10 16:30	05/01/10 05:04	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/27/10 16:30	05/01/10 05:04	7440-43-9	
Chromium	**1.1J**	ug/L	5.0	0.40	1	04/27/10 16:30	05/01/10 05:04	7440-47-3	
Cobalt	**2.0J**	ug/L	5.0	0.60	1	04/27/10 16:30	05/01/10 05:04	7440-48-4	
Copper	**1.4J**	ug/L	5.0	0.30	1	04/27/10 16:30	05/01/10 05:04	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/27/10 16:30	05/01/10 05:04	7439-92-1	
Nickel	**5.4**	ug/L	5.0	1.7	1	04/27/10 16:30	05/01/10 05:04	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/27/10 16:30	05/01/10 05:04	7782-49-2	
Silver	**0.24J**	ug/L	5.0	0.10	1	04/27/10 16:30	05/01/10 05:04	7440-22-4	
Vanadium	**0.89J**	ug/L	5.0	0.20	1	04/27/10 16:30	05/01/10 05:04	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	04/27/10 16:30	05/01/10 05:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/23/10 17:52	04/26/10 16:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/23/10 18:00	04/26/10 16:22	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 12:23	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 12:23	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 12:23	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 12:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 12:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 12:23	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 12:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 12:23	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 12:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 12:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 12:23	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 12:23	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 12:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 12:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 12:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 12:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 12:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 12:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 12:23	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 12:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 12:23	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 12:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 12:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 12:23	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Sample: LP-1 **Lab ID: 9267842001** Collected: 04/20/10 13:45 Received: 04/21/10 14:36 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 12:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 12:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 12:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 12:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 12:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 12:23	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 12:23	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 12:23	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 12:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 12:23	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 12:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 12:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 12:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 12:23	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 12:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 12:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 12:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 12:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 12:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 12:23	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 12:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 12:23	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 12:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 12:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 12:23	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		04/24/10 12:23	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		04/24/10 12:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		04/24/10 12:23	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		04/24/10 12:23	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**8.3**	mg/L	2.0	2.0	1	04/21/10 20:30	04/26/10 12:35		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**1.1**	mg/L	0.10	0.10	1		04/21/10 19:31		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**0.13**	mg/L	0.10	0.10	1		04/27/10 14:34	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**108**	mg/L	25.0	25.0	1		05/05/10 13:40		
ASTM D516-90 Sulfate Water	Analytical Method: ASTM D516-90								
Sulfate	**17.3**	mg/L	5.0	5.0	1		04/30/10 10:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Sample: Trip Blank **Lab ID: 9267842002** Collected: 04/21/10 00:00 Received: 04/21/10 14:36 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		04/22/10 23:07	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/22/10 23:07	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/22/10 23:07	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/22/10 23:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/22/10 23:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/22/10 23:07	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/22/10 23:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/22/10 23:07	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/22/10 23:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/22/10 23:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/22/10 23:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/22/10 23:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/22/10 23:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/22/10 23:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/22/10 23:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/22/10 23:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/22/10 23:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/22/10 23:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/22/10 23:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/22/10 23:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/22/10 23:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/22/10 23:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/22/10 23:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/22/10 23:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/22/10 23:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/22/10 23:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/22/10 23:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/22/10 23:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/22/10 23:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/22/10 23:07	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/22/10 23:07	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/22/10 23:07	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/22/10 23:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/22/10 23:07	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/22/10 23:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/22/10 23:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/22/10 23:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/22/10 23:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/22/10 23:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/22/10 23:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/22/10 23:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/22/10 23:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/22/10 23:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/22/10 23:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/22/10 23:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/22/10 23:07	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

Sample: Trip Blank **Lab ID: 9267842002** Collected: 04/21/10 00:00 Received: 04/21/10 14:36 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		04/22/10 23:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/22/10 23:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/22/10 23:07	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		04/22/10 23:07	460-00-4	
Dibromofluoromethane (S)	98	%	85-115		1		04/22/10 23:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	79-120		1		04/22/10 23:07	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/22/10 23:07	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: MPRP/6216
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9267842001

METHOD BLANK: 434122
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	05/01/10 04:23	
Arsenic	ug/L	ND	5.0	05/01/10 04:23	
Barium	ug/L	ND	5.0	05/01/10 04:23	
Beryllium	ug/L	ND	1.0	05/01/10 04:23	
Cadmium	ug/L	ND	1.0	05/01/10 04:23	
Chromium	ug/L	ND	5.0	05/01/10 04:23	
Cobalt	ug/L	ND	5.0	05/01/10 04:23	
Copper	ug/L	0.47J	5.0	05/01/10 04:23	
Lead	ug/L	ND	5.0	05/01/10 04:23	
Nickel	ug/L	ND	5.0	05/01/10 04:23	
Selenium	ug/L	ND	10.0	05/01/10 04:23	
Silver	ug/L	0.21J	5.0	05/01/10 04:23	
Vanadium	ug/L	ND	5.0	05/01/10 04:23	
Zinc	ug/L	ND	10.0	05/01/10 04:23	

LABORATORY CONTROL SAMPLE: 434123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	467	93	80-120	
Arsenic	ug/L	500	463	93	80-120	
Barium	ug/L	500	486	97	80-120	
Beryllium	ug/L	500	489	98	80-120	
Cadmium	ug/L	500	464	93	80-120	
Chromium	ug/L	500	470	94	80-120	
Cobalt	ug/L	500	475	95	80-120	
Copper	ug/L	500	483	97	80-120	
Lead	ug/L	500	469	94	80-120	
Nickel	ug/L	500	464	93	80-120	
Selenium	ug/L	500	462	92	80-120	
Silver	ug/L	250	214	86	80-120	
Vanadium	ug/L	500	482	96	80-120	
Zinc	ug/L	500	460	92	80-120	

MATRIX SPIKE SAMPLE: 434124

Parameter	Units	9267837007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	198	39	75-125	M0
Arsenic	ug/L	25.4	500	368	69	75-125	M0
Barium	ug/L	782	500	1180	79	75-125	
Beryllium	ug/L	5.9	500	398	78	75-125	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

MATRIX SPIKE SAMPLE: 434124

Parameter	Units	9267837007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	ND	500	374	75	75-125	
Chromium	ug/L	117	500	502	77	75-125	
Cobalt	ug/L	63.0	500	424	72	75-125	M0
Copper	ug/L	25.4	500	418	79	75-125	
Lead	ug/L	23.4	500	388	73	75-125	M0
Nickel	ug/L	55.4	500	432	75	75-125	
Selenium	ug/L	ND	500	368	73	75-125	M0
Silver	ug/L	ND	250	175	70	75-125	M0
Vanadium	ug/L	170	500	564	79	75-125	
Zinc	ug/L	270	500	652	76	75-125	

SAMPLE DUPLICATE: 434125

Parameter	Units	9267837008 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	3.1J	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	51.4	51.0	1	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	2.8J	3.0J		25	
Cobalt	ug/L	0.91J	1.2J		25	
Copper	ug/L	1.4J	1.3J		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.42J	0.36J		25	
Vanadium	ug/L	6.9	6.9	1	25	
Zinc	ug/L	62.8	62.1	1	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: ICPM/20131 — Analysis Method: EPA 6020
QC Batch Method: EPA 6020 — Analysis Description: 6020 MET
Associated Lab Samples: 9267842001

METHOD BLANK: 778817 — Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.10	04/26/10 16:06	

LABORATORY CONTROL SAMPLE: 778818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	81.6	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778819 778820

Parameter	Units	9267856001 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	83.1	84.0	104	105	70-130	1	20	

MATRIX SPIKE SAMPLE: 778821

Parameter	Units	9267837008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	86.0	108	70-130	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: MERP/2778
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9267842001

METHOD BLANK: 432354
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/26/10 14:28	

LABORATORY CONTROL SAMPLE: 432355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	80-120	

MATRIX SPIKE SAMPLE: 432356

Parameter	Units	9267722001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	14.6	2.5	16.2	66	75-125	M0

SAMPLE DUPLICATE: 432357

Parameter	Units	9267722002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: MSV/10708
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9267842002

METHOD BLANK: 432454
Matrix: Water
Associated Lab Samples: 9267842002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1-Dichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,1-Dichloroethene	ug/L	ND	1.0	04/22/10 22:43	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/22/10 22:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dichloroethane	ug/L	ND	1.0	04/22/10 22:43	
1,2-Dichloropropane	ug/L	ND	1.0	04/22/10 22:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/22/10 22:43	
2-Butanone (MEK)	ug/L	ND	5.0	04/22/10 22:43	
2-Hexanone	ug/L	ND	5.0	04/22/10 22:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/22/10 22:43	
Acetone	ug/L	ND	25.0	04/22/10 22:43	
Acrylonitrile	ug/L	ND	10.0	04/22/10 22:43	
Benzene	ug/L	ND	1.0	04/22/10 22:43	
Bromochloromethane	ug/L	ND	1.0	04/22/10 22:43	
Bromodichloromethane	ug/L	ND	1.0	04/22/10 22:43	
Bromoform	ug/L	ND	1.0	04/22/10 22:43	
Bromomethane	ug/L	ND	5.0	04/22/10 22:43	
Carbon disulfide	ug/L	ND	2.0	04/22/10 22:43	
Carbon tetrachloride	ug/L	ND	1.0	04/22/10 22:43	
Chlorobenzene	ug/L	ND	1.0	04/22/10 22:43	
Chloroethane	ug/L	ND	1.0	04/22/10 22:43	
Chloroform	ug/L	ND	1.0	04/22/10 22:43	
Chloromethane	ug/L	ND	1.0	04/22/10 22:43	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/22/10 22:43	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/22/10 22:43	
Dibromochloromethane	ug/L	ND	1.0	04/22/10 22:43	
Dibromomethane	ug/L	ND	1.0	04/22/10 22:43	
Ethylbenzene	ug/L	ND	1.0	04/22/10 22:43	
Iodomethane	ug/L	ND	5.0	04/22/10 22:43	
m&p-Xylene	ug/L	ND	2.0	04/22/10 22:43	
Methylene Chloride	ug/L	2.5	2.0	04/22/10 22:43	C9
o-Xylene	ug/L	ND	1.0	04/22/10 22:43	
Styrene	ug/L	ND	1.0	04/22/10 22:43	
Tetrachloroethene	ug/L	ND	1.0	04/22/10 22:43	
Toluene	ug/L	ND	1.0	04/22/10 22:43	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/22/10 22:43	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/22/10 22:43	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

METHOD BLANK: 432454 Matrix: Water

Associated Lab Samples: 9267842002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/22/10 22:43	
Trichloroethene	ug/L	ND	1.0	04/22/10 22:43	
Trichlorofluoromethane	ug/L	ND	1.0	04/22/10 22:43	
Vinyl acetate	ug/L	ND	2.0	04/22/10 22:43	
Vinyl chloride	ug/L	ND	1.0	04/22/10 22:43	
Xylene (Total)	ug/L	ND	2.0	04/22/10 22:43	
1,2-Dichloroethane-d4 (S)	%	96	79-120	04/22/10 22:43	
4-Bromofluorobenzene (S)	%	99	87-109	04/22/10 22:43	
Dibromofluoromethane (S)	%	99	85-115	04/22/10 22:43	
Toluene-d8 (S)	%	100	70-120	04/22/10 22:43	

LABORATORY CONTROL SAMPLE: 432455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.5	105	83-125	
1,1,1-Trichloroethane	ug/L	50	49.3	99	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	73-127	
1,1,2-Trichloroethane	ug/L	50	50.4	101	77-123	
1,1-Dichloroethane	ug/L	50	48.9	98	76-129	
1,1-Dichloroethene	ug/L	50	47.2	94	78-146	
1,2,3-Trichloropropane	ug/L	50	51.1	102	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	51.6	103	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.2	106	81-125	
1,2-Dichlorobenzene	ug/L	50	55.2	110	82-126	
1,2-Dichloroethane	ug/L	50	48.1	96	72-126	
1,2-Dichloropropane	ug/L	50	48.2	96	80-127	
1,4-Dichlorobenzene	ug/L	50	53.4	107	79-125	
2-Butanone (MEK)	ug/L	100	98.6	99	50-134	
2-Hexanone	ug/L	100	115	115	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.7	100	70-131	
Acetone	ug/L	100	115	115	50-146	
Acrylonitrile	ug/L	250	265	106	66-124	
Benzene	ug/L	50	49.1	98	78-128	
Bromochloromethane	ug/L	50	48.5	97	73-124	
Bromodichloromethane	ug/L	50	46.4	93	81-125	
Bromoform	ug/L	50	53.9	108	71-125	
Bromomethane	ug/L	50	48.5	97	50-150	
Carbon disulfide	ug/L	50	45.7	91	54-150	
Carbon tetrachloride	ug/L	50	49.7	99	81-137	
Chlorobenzene	ug/L	50	52.7	105	82-126	
Chloroethane	ug/L	50	43.3	87	69-140	
Chloroform	ug/L	50	47.9	96	77-129	
Chloromethane	ug/L	50	43.6	87	54-139	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	76-133	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	76-127	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

LABORATORY CONTROL SAMPLE: 432455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	54.0	108	77-125	
Dibromomethane	ug/L	50	55.9	112	77-125	
Ethylbenzene	ug/L	50	53.3	107	80-127	
Iodomethane	ug/L	100	109	109	65-172	
m&p-Xylene	ug/L	100	108	108	82-127	
Methylene Chloride	ug/L	50	44.8	90	67-133	
o-Xylene	ug/L	50	54.5	109	83-124	
Styrene	ug/L	50	55.2	110	80-130	
Tetrachloroethene	ug/L	50	55.7	111	78-128	
Toluene	ug/L	50	49.3	99	76-126	
trans-1,2-Dichloroethene	ug/L	50	47.3	95	78-134	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	50.6	101	51-140	
Trichloroethene	ug/L	50	48.8	98	79-127	
Trichlorofluoromethane	ug/L	50	40.1	80	76-148	
Vinyl acetate	ug/L	100	99.0	99	50-150	
Vinyl chloride	ug/L	50	43.2	86	67-143	
Xylene (Total)	ug/L	150	162	108	83-125	
1,2-Dichloroethane-d4 (S)	%			99	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			102	85-115	
Toluene-d8 (S)	%			97	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 432456 432457

Parameter	Units	9267837011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	63.3	59.5	127	119	70-130	6	30	
1,1,1-Trichloroethane	ug/L	ND	50	50	58.3	58.3	117	117	70-130	0	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	56.8	56.2	114	112	70-130	1	30	
1,1,2-Trichloroethane	ug/L	ND	50	50	59.2	57.2	118	114	70-130	4	30	
1,1-Dichloroethane	ug/L	ND	50	50	55.5	57.3	111	115	70-130	3	30	
1,1-Dichloroethene	ug/L	ND	50	50	54.1	55.2	108	110	60-150	2	30	
1,2,3-Trichloropropane	ug/L	ND	50	50	57.7	57.2	115	114	70-130	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	56.2	57.8	112	116	70-130	3	30	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	60.6	59.1	121	118	70-130	2	30	
1,2-Dichlorobenzene	ug/L	ND	50	50	63.1	62.9	126	126	70-130	0	30	
1,2-Dichloroethane	ug/L	ND	50	50	54.3	54.9	109	110	75-119	1	30	
1,2-Dichloropropane	ug/L	ND	50	50	57.6	56.0	115	112	70-130	3	30	
1,4-Dichlorobenzene	ug/L	ND	50	50	61.6	60.6	123	121	74-134	2	30	
2-Butanone (MEK)	ug/L	ND	100	100	107	105	107	105	50-150	1	30	
2-Hexanone	ug/L	ND	100	100	125	123	125	123	70-130	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	114	112	114	112	70-130	2	30	
Acetone	ug/L	ND	100	100	95.6	100	96	100	70-130	5	30	
Acrylonitrile	ug/L	ND	250	250	306	302	122	121	70-130	1	30	
Benzene	ug/L	ND	50	50	58.7	56.4	117	113	74-136	4	30	
Bromochloromethane	ug/L	ND	50	50	57.2	55.8	114	112	70-130	3	30	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 432456 432457

Parameter	Units	9267837011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromodichloromethane	ug/L	ND	50	50	54.4	53.0	109	106	70-130	3	30	
Bromoform	ug/L	ND	50	50	61.3	59.3	123	119	70-130	3	30	
Bromomethane	ug/L	ND	50	50	48.8	57.2	98	114	70-130	16	30	
Carbon disulfide	ug/L	ND	50	50	53.9	50.4	108	101	70-130	7	30	
Carbon tetrachloride	ug/L	ND	50	50	59.9	57.6	120	115	86-112	4	30	M0
Chlorobenzene	ug/L	ND	50	50	62.6	61.1	125	122	79-135	3	30	
Chloroethane	ug/L	ND	50	50	51.7	48.7	103	97	70-130	6	30	
Chloroform	ug/L	ND	50	50	54.9	53.6	110	107	91-116	2	30	
Chloromethane	ug/L	ND	50	50	50.5	52.5	101	105	70-130	4	30	
cis-1,2-Dichloroethene	ug/L	ND	50	50	56.2	56.8	112	114	70-130	1	30	
cis-1,3-Dichloropropene	ug/L	ND	50	50	54.1	53.1	108	106	70-130	2	30	
Dibromochloromethane	ug/L	ND	50	50	60.8	58.8	122	118	70-130	3	30	
Dibromomethane	ug/L	ND	50	50	62.4	61.4	125	123	70-130	2	30	
Ethylbenzene	ug/L	ND	50	50	63.3	61.3	127	123	70-130	3	30	
Iodomethane	ug/L	ND	100	100	96.8	118	97	118	70-130	20	30	
m&p-Xylene	ug/L	ND	100	100	128	121	128	121	70-130	5	30	
Methylene Chloride	ug/L	ND	50	50	48.9	49.4	98	99	70-130	1	30	
o-Xylene	ug/L	ND	50	50	64.6	61.8	129	124	70-130	4	30	
Styrene	ug/L	ND	50	50	63.8	62.0	128	124	70-130	3	30	
Tetrachloroethene	ug/L	ND	50	50	67.7	64.2	135	128	67-145	5	30	
Toluene	ug/L	ND	50	50	60.0	57.3	120	115	73-131	5	30	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.6	55.1	109	110	70-130	1	30	
trans-1,3-Dichloropropene	ug/L	ND	50	50	55.6	53.8	111	108	70-130	3	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	56.0	55.4	112	111	70-130	1	30	
Trichloroethene	ug/L	ND	50	50	58.6	56.8	117	114	73-131	3	30	
Trichlorofluoromethane	ug/L	ND	50	50	50.9	49.7	102	99	70-130	2	30	
Vinyl acetate	ug/L	ND	100	100	79.6	78.2	80	78	70-130	2	30	
Vinyl chloride	ug/L	ND	50	50	51.2	50.1	102	100	50-150	2	30	
1,2-Dichloroethane-d4 (S)	%						96	99	79-120			
4-Bromofluorobenzene (S)	%						100	100	87-109			
Dibromofluoromethane (S)	%						96	99	85-115			
Toluene-d8 (S)	%						99	100	70-120			

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(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: MSV/10727
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9267842001

METHOD BLANK: 433545
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 11:59	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/24/10 11:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 11:59	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/24/10 11:59	
1,1-Dichloroethane	ug/L	ND	1.0	04/24/10 11:59	
1,1-Dichloroethene	ug/L	ND	1.0	04/24/10 11:59	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/24/10 11:59	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/24/10 11:59	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/24/10 11:59	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/24/10 11:59	
1,2-Dichloroethane	ug/L	ND	1.0	04/24/10 11:59	
1,2-Dichloropropane	ug/L	ND	1.0	04/24/10 11:59	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/24/10 11:59	
2-Butanone (MEK)	ug/L	ND	5.0	04/24/10 11:59	
2-Hexanone	ug/L	ND	5.0	04/24/10 11:59	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/24/10 11:59	
Acetone	ug/L	ND	25.0	04/24/10 11:59	
Acrylonitrile	ug/L	ND	10.0	04/24/10 11:59	
Benzene	ug/L	ND	1.0	04/24/10 11:59	
Bromochloromethane	ug/L	ND	1.0	04/24/10 11:59	
Bromodichloromethane	ug/L	ND	1.0	04/24/10 11:59	
Bromoform	ug/L	ND	1.0	04/24/10 11:59	
Bromomethane	ug/L	ND	5.0	04/24/10 11:59	
Carbon disulfide	ug/L	ND	2.0	04/24/10 11:59	
Carbon tetrachloride	ug/L	ND	1.0	04/24/10 11:59	
Chlorobenzene	ug/L	ND	1.0	04/24/10 11:59	
Chloroethane	ug/L	ND	1.0	04/24/10 11:59	
Chloroform	ug/L	ND	1.0	04/24/10 11:59	
Chloromethane	ug/L	ND	1.0	04/24/10 11:59	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 11:59	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/24/10 11:59	
Dibromochloromethane	ug/L	ND	1.0	04/24/10 11:59	
Dibromomethane	ug/L	ND	1.0	04/24/10 11:59	
Ethylbenzene	ug/L	ND	1.0	04/24/10 11:59	
Iodomethane	ug/L	ND	5.0	04/24/10 11:59	
m&p-Xylene	ug/L	ND	2.0	04/24/10 11:59	
Methylene Chloride	ug/L	ND	2.0	04/24/10 11:59	
o-Xylene	ug/L	ND	1.0	04/24/10 11:59	
Styrene	ug/L	ND	1.0	04/24/10 11:59	
Tetrachloroethene	ug/L	ND	1.0	04/24/10 11:59	
Toluene	ug/L	ND	1.0	04/24/10 11:59	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 11:59	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/24/10 11:59	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

METHOD BLANK: 433545 Matrix: Water

Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/24/10 11:59	
Trichloroethene	ug/L	ND	1.0	04/24/10 11:59	
Trichlorofluoromethane	ug/L	ND	1.0	04/24/10 11:59	
Vinyl acetate	ug/L	ND	2.0	04/24/10 11:59	
Vinyl chloride	ug/L	ND	1.0	04/24/10 11:59	
Xylene (Total)	ug/L	ND	2.0	04/24/10 11:59	
1,2-Dichloroethane-d4 (S)	%	101	79-120	04/24/10 11:59	
4-Bromofluorobenzene (S)	%	100	87-109	04/24/10 11:59	
Dibromofluoromethane (S)	%	104	85-115	04/24/10 11:59	
Toluene-d8 (S)	%	100	70-120	04/24/10 11:59	

LABORATORY CONTROL SAMPLE: 433546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	83-125	
1,1,1-Trichloroethane	ug/L	50	46.9	94	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.2	90	73-127	
1,1,2-Trichloroethane	ug/L	50	48.2	96	77-123	
1,1-Dichloroethane	ug/L	50	45.5	91	76-129	
1,1-Dichloroethene	ug/L	50	42.2	84	78-146	
1,2,3-Trichloropropane	ug/L	50	46.1	92	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	50.2	100	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	47.7	95	81-125	
1,2-Dichlorobenzene	ug/L	50	49.2	98	82-126	
1,2-Dichloroethane	ug/L	50	46.3	93	72-126	
1,2-Dichloropropane	ug/L	50	47.7	95	80-127	
1,4-Dichlorobenzene	ug/L	50	48.5	97	79-125	
2-Butanone (MEK)	ug/L	100	99.3	99	50-134	
2-Hexanone	ug/L	100	103	103	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.2	99	70-131	
Acetone	ug/L	100	117	117	50-146	
Acrylonitrile	ug/L	250	231	93	66-124	
Benzene	ug/L	50	47.1	94	78-128	
Bromochloromethane	ug/L	50	47.1	94	73-124	
Bromodichloromethane	ug/L	50	46.1	92	81-125	
Bromoform	ug/L	50	48.1	96	71-125	
Bromomethane	ug/L	50	41.4	83	50-150	
Carbon disulfide	ug/L	50	45.1	90	54-150	
Carbon tetrachloride	ug/L	50	48.7	97	81-137	
Chlorobenzene	ug/L	50	47.9	96	82-126	
Chloroethane	ug/L	50	48.4	97	69-140	
Chloroform	ug/L	50	44.5	89	77-129	
Chloromethane	ug/L	50	42.1	84	54-139	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	76-133	
cis-1,3-Dichloropropene	ug/L	50	48.2	96	76-127	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

LABORATORY CONTROL SAMPLE: 433546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	46.7	93	77-125	
Dibromomethane	ug/L	50	51.1	102	77-125	
Ethylbenzene	ug/L	50	47.7	95	80-127	
Iodomethane	ug/L	100	83.1	83	65-172	
m&p-Xylene	ug/L	100	97.9	98	82-127	
Methylene Chloride	ug/L	50	43.3	87	67-133	
o-Xylene	ug/L	50	48.9	98	83-124	
Styrene	ug/L	50	48.1	96	80-130	
Tetrachloroethene	ug/L	50	48.5	97	78-128	
Toluene	ug/L	50	48.4	97	76-126	
trans-1,2-Dichloroethene	ug/L	50	46.3	93	78-134	
trans-1,3-Dichloropropene	ug/L	50	47.5	95	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	46.5	93	51-140	
Trichloroethene	ug/L	50	47.7	95	79-127	
Trichlorofluoromethane	ug/L	50	48.9	98	76-148	
Vinyl acetate	ug/L	100	111	111	50-150	
Vinyl chloride	ug/L	50	45.8	92	67-143	
Xylene (Total)	ug/L	150	147	98	83-125	
1,2-Dichloroethane-d4 (S)	%			97	79-120	
4-Bromofluorobenzene (S)	%			102	87-109	
Dibromofluoromethane (S)	%			103	85-115	
Toluene-d8 (S)	%			99	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433547 433548

Parameter	Units	9267869006 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	51.8	51.5	104	103	60-150	1	30	
Benzene	ug/L	ND	50	50	54.5	54.3	109	109	74-136	0	30	
Chlorobenzene	ug/L	ND	50	50	55.0	54.6	110	109	79-135	1	30	
Toluene	ug/L	ND	50	50	55.7	55.1	111	110	73-131	1	30	
Trichloroethene	ug/L	ND	50	50	55.2	55.8	110	112	73-131	1	30	
1,2-Dichloroethane-d4 (S)	%						98	101	79-120			
4-Bromofluorobenzene (S)	%						102	99	87-109			
Dibromofluoromethane (S)	%						106	103	85-115			
Toluene-d8 (S)	%						98	100	70-120			

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: WET/12131
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 9267842001

METHOD BLANK: 432089
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	04/26/10 12:35	

LABORATORY CONTROL SAMPLE: 432090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	209	106	84-115	

SAMPLE DUPLICATE: 432091

Parameter	Units	9267808001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	11600	654	179	20	R1

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: WETA/7208
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9267842001

METHOD BLANK: 432085
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	04/21/10 19:20	

LABORATORY CONTROL SAMPLE: 432086

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

MATRIX SPIKE SAMPLE: 432087

Parameter	Units	9267760001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.1	102	90-110	

SAMPLE DUPLICATE: 432088

Parameter	Units	9267842001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1.2	12	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: WETA/7248
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Phosphorus, Total
Associated Lab Samples: 9267842001

METHOD BLANK: 433892
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	04/27/10 14:30	

LABORATORY CONTROL SAMPLE: 433893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1	1.1	108	90-110	

MATRIX SPIKE SAMPLE: 433894

Parameter	Units	9267681001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.31	1	1.3	96	90-110	

MATRIX SPIKE SAMPLE: 433896

Parameter	Units	9267842001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.13	1	1.0	91	90-110	

SAMPLE DUPLICATE: 433897

Parameter	Units	9267844001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 433901

Parameter	Units	9267742003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.40	0.53	27	20	R1

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: WETA/7298
QC Batch Method: SM 5220D
Analysis Method: SM 5220D
Analysis Description: 5220D COD
Associated Lab Samples: 9267842001

METHOD BLANK: 437451
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	05/05/10 13:40	

LABORATORY CONTROL SAMPLE: 437452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	759	101	90-110	

MATRIX SPIKE SAMPLE: 437453

Parameter	Units	9268136002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	750	773	103	75-125	

MATRIX SPIKE SAMPLE: 437455

Parameter	Units	9267909001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	203	750	983	104	75-125	

SAMPLE DUPLICATE: 437454

Parameter	Units	9268280001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	112	120	7	20	

SAMPLE DUPLICATE: 437456

Parameter	Units	9267918001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	2440	2340	4	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

QC Batch: WETA/7263
QC Batch Method: ASTM D516-90
Analysis Method: ASTM D516-90
Analysis Description: ASTM D516-90 Sulfate Water
Associated Lab Samples: 9267842001

METHOD BLANK: 435345
Matrix: Water
Associated Lab Samples: 9267842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	04/30/10 10:30	

LABORATORY CONTROL SAMPLE: 435346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.5	102	90-110	

MATRIX SPIKE SAMPLE: 435347

Parameter	Units	9268001006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	17.1	20	35.8	93	75-125	

MATRIX SPIKE SAMPLE: 435350

Parameter	Units	9267844005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	24.5	100	75-125	

SAMPLE DUPLICATE: 435348

Parameter	Units	9268001005 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	7.2	7.1	1	20	

SAMPLE DUPLICATE: 435349

Parameter	Units	9267844004 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	37.5	38.0	1	20	

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QUALIFIERS

Project: Madison Co. Operating LP-1
Pace Project No.: 9267842

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

C9	Common Laboratory Contaminant.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside 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 1

1349771

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

Attention: 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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	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 6010	BOD	COD	Total Phosphorus	Nitrate	Sulfate	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	LP-1	WT	G			4/20/10	1345	Ice	8	X	X	X	X					X	X	X	X	X	X	X		-001
2	TRIP BLANK LAB →								2				X					X								-002
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

9267842

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
-VOCs by 8260 Low level	Evan Yurkovich / Altamont	4/21/10	1436	Lorri Patton	4/21/10	1436	2.0	Y	N	Y
-Include PQLs, qualifiers										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 4/21/10

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Altamont Project # 9267842

Where Received: ☐ Huntersville ☒ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☒ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun#2 / 72490786 **Type of Ice:** Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.8 C

Corrected Cooler Temp.: 2.0 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4/21/10 [illegible]

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No	☐N/A	6. BOD, Nitrate
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes	☐No		Initial when completed
Samples checked for dechlorination:	☒Yes	☐No	☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☐Yes	☒No	☐N/A	16. Use same TB as well samples
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased):_____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [illegible] **Date:** 4/21/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)