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, E.I. 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 19-21, 2011

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 — 6/21/11 Date

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

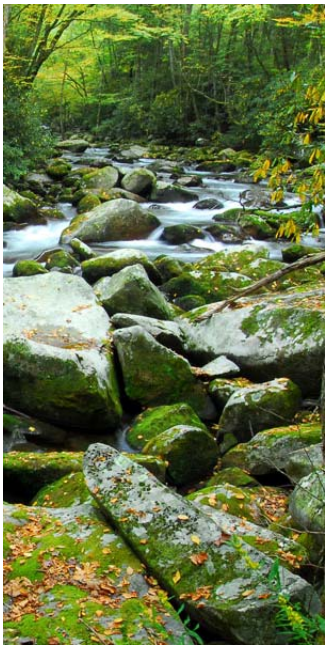
231 Haywood Street, Asheville, North Carolina 28801

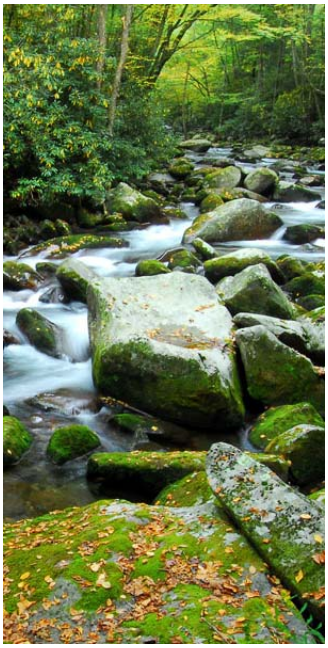
Facility Representative Address

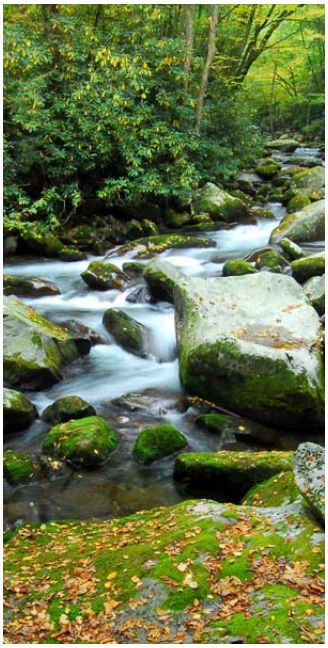
C-2185

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

Revised 6/2009







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

Spring 2011 Semiannual Water Quality Monitoring Report

Madison County Operating Solid Waste Facility

Madison County, North Carolina Permit #58-03

June 21, 2011

Prepared for
Madison County, North Carolina

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

Spring 2011 Semiannual Water Quality Monitoring Report

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Joel Lenk, P.G.
Project Geologist

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1.0 Introduction

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

- Operating Construction and Demolition Debris (C&D) landfill cell
- Operating transfer station
- Closed C&D landfill cell
- 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). This 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 2011, 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:

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

2.0 Methods

On April 19 and 21, 2011, Altamont Environmental, Inc. (Altamont) collected nine groundwater samples from monitoring wells, two surface water samples from a tributary to Walnut Creek, and one aqueous sample from the lined leachate basin. One of the monitoring wells sampled, 5803-MW06R, 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-MW06, 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-SW01 and 5803-SW02R 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-SW01 is considered representative of surface water quality upstream of the Operating Landfill; 5803-SW02R 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. 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-LP1). 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. The sampling log, completed for sample 5803-LP1, 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 volatile organic compounds (VOCs) using EPA Method 8260
- Appendix I metals using EPA Methods 6010, 200.8, 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, 200.8, 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 EPA Method 300.0

Proper chain-of-custody documentation procedures were followed during collection and transport of each sample; the documentation 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 VOCs. The laboratory analytical reports are provided in Appendix B. Laboratory analyses performed on the samples are summarized in Table 1. Well construction details are included on Table 2.

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 3, which is displayed in the Electronic Data Deliverable (EDD) format specified by the Solid Waste Section (SWS) of the DENR, DWM in a 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 at the laboratory-specific method detection limit (MDL), and all concentrations exceeding MDL were reported and appropriately qualified (Tables 3, 4, and 5). 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 laboratory's method reporting limit (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed in the "Practical Quantitation Limit" (PQL) column in the laboratory analytical report. 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 assigned by the laboratory and is used for parameters detected at estimated concentrations greater than the MDL but less than the MRL. Detected concentrations of constituents below the applicable SWSLs are summarized in Table 3, 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 during the spring 2011 sampling event are discussed below. Analytical results are summarized in Tables 3, 4, and 5. The laboratory reports are included in Appendix B.

3.1.1.1 Appendix I Metals

Eight metals (barium, beryllium, chromium, cobalt, copper, nickel, vanadium, and zinc) were detected at concentrations above their associated SWSLs in one or more of the sampled monitoring wells, as follows (Table 4):

- 5803-MW01: barium (119 micrograms per liter [µg/L]; SWSL = 100 µg/L) and zinc (32.6 µg/L; SWSL = 10 µg/L)
- 5803-MW02: barium (130 µg/L), cobalt (10.7 µg/L; SWSL = 10 µg/L), and zinc (39.5 µg/L)
- 5803-MW03: barium (260 µg/L), cobalt (121 µg/L), and zinc (78.3 µg/L)
- 5803-MW04: barium (132 µg/L)
- 5803-MW05: barium (135 µg/L), cobalt (10.9 µg/L), and zinc (26.4 µg/L)

- 5803-MW06R: barium (594 µg/L), chromium (23.7 µg/L; SWSL = 10 µg/L), cobalt (58.5 µg/L), copper (14.9 µg/L; SWSL = 10 µg/L), nickel (78.0 µg/L; SWSL = 50 µg/L), vanadium (95.9 µg/L; SWSL = 25 µg/L), zinc (138 µg/L)
- 5803-MW07R: barium (336 µg/L), beryllium (1.2 µg/L; SWSL = 1 µg/L), chromium (33.0 µg/L), cobalt (19.8 µg/L), vanadium (47.6 µg/L), and zinc (95.0 µg/L)
- 5803-MW08: barium (280 µg/L), chromium (22.2 µg/L), cobalt (61.7 µg/L), copper (39.2 µg/L), vanadium (110 µg/L), and zinc (150 µg/L)
- 5803-MW09: barium (345 µg/L), cobalt (19.8 µg/L), copper (11.4 µg/L), vanadium (40.9 µg/L), and zinc (74.3 µg/L).

Three metals (chromium, cobalt, and vanadium) were detected at concentrations above their respective 2L Standards or GWPSs in one or more of the sampled monitoring wells, as follows (Table 4 and Table 5):

- 5803-MW01: cobalt (4.9 J µg/L; GWPS = 1 µg/L) and vanadium (2.1 J µg/L; GWPS = 0.3 µg/L)
- 5803-MW02: cobalt (10.7 µg/L) and vanadium (5.1 *J* µg/L)
- 5803-MW03: cobalt (121 µg/L)
- 5803-MW04: cobalt (3.3 J µg/L) and vanadium (3.2 J µg/L)
- 5803-MW05: cobalt (10.9 µg/L) and vanadium (7.7 *J* µg/L)
- 5803-MW06R (background well): chromium (23.7 µg/L; 2L Standard = 10 µg/L), cobalt (58.5 µg/L), vanadium (95.9 µg/L)
- 5803-MW07R: chromium (33.0 µg/L), cobalt (19.8 µg/L), and vanadium (47.6 µg/L)
- 5803-MW08: chromium (22.2 µg/L), cobalt (61.7 µg/L), and vanadium (110 µg/L)
- 5803-MW09: cobalt (19.8 µg/L) and vanadium (40.9 µg/L)

It should be noted that the measured turbidity values for the groundwater samples from all of the monitoring wells ranged from 0.00 (for 5803-MW04) to 532.4 (for 5803-MW06R) nephelometric turbidity units (NTUs) (Table 3).

The turbidity values indicate that most 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

No VOCs were detected in 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 3, 4, and 5. The laboratory report is included in Appendix B.

3.1.2.1 Appendix I Metals

Zinc was the only metal detected above its respective SWSL (10 µg/L) at the sample location, 5803-SW02R (downstream of the landfill) at a concentration of 14.9 µg/L, (Table 4).

Cobalt was detected in the surface water sample collected from the 5803-SW02R location at a concentration of 7.3 *J* µg /L, which exceeds its 2B Standard of 4 µg/L.

3.1.2.2 Appendix I VOCs

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

One metal, zinc, was detected at a concentration (16.4 µg/L) above its SWSL of 10 µg/L (Table 5).

Two metals, cobalt and vanadium, were detected at concentrations (8.1 *J* µg/L and 5.6 *J* µg/L, respectively) above their GWPSs of 1 µg/L and 0.3 µg/L, respectively.

3.1.3.2 Appendix I VOCs

No VOCs were detected in the leachate sample (5803-LP1) at concentrations exceeding their respective SWSLs or water quality standards.

3.1.3.3 Inorganics

In addition to analyzing for Appendix I metals and Appendix I VOCs, the lined leachate basin sample (5803-LP1) was analyzed for BOD, COD, nitrate, phosphorus, and sulfate. The analytical results (Table 3) for these additional parameters are as follows:

- BOD at 52.9 milligrams per liter (mg/L)
- COD at 151 mg/L
- Nitrogen/nitrate at 0.1 U mg/L (not detected)
- Phosphorus at 0.31 mg/L
- Sulfate at 76.7 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 the unnamed tributary of Walnut Creek. Figure 3 depicts the generalized groundwater flow direction, based on groundwater measurements taken by Altamont on April 13 and 14, 2010. Water-level data are summarized on Table 2 and Table 3.

3.3 Statistical Evaluation

A statistical evaluation was not performed on the analytical data obtained from the monitoring wells associated with the Operating Landfill collected during spring 2011 sampling event due to the recent change of the regulations. Effective April 1, 2011 per 15A NCAC 13B.1632(g) performing statistical analysis is no longer mandatory.

4.0 Summary

4.1 Groundwater

Analysis of data collected during the semiannual groundwater quality monitoring event conducted on April 19 and 21, 2011 at the Madison County Operating Landfill indicates that eight metals were detected in groundwater samples at concentrations above either their respective SWSLs or above their 2L Standards/2B Standards/GWPSs, or both. The concentrations of three of these metals (chromium, cobalt and vanadium), exceeded their respective 2L Standards or GWPSs in one or more of the groundwater samples, as follows.

- Chromium was detected in three wells, 5803-MW06R (23.7 µg/L), 5803-MW07R (33.0 µg/L), and 5803-MW08 (22.2 µg/L) exceeding its 2L Standard of 10 µg/L.
- Cobalt was detected in all nine wells at detected concentrations that range between 3.3 µg/L (5803-MW04) and 121 µg/L (5803-MW03), exceeding its GWPS of 1 µg/L.
- Vanadium was detected in all but one groundwater sample (5803-MW03) collected from the monitoring wells at concentrations that range between 2.1 J µg/L (5803-MW01) and 110 µg/L (5803-MW08), exceeding its GWPS of 0.3 µg/L.

As described in Section 3.1, the turbidity values collected from monitoring well samples 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.

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 that the leachate sample would 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

Cobalt was detected in the surface water sample 5803-SW02R at 7.3 *J* µg/L, exceeding its applicable 2B Standard of 4 µg/L. Sample 5803-SW02R is downstream of the landfill and should be representative of surface water quality downstream of the landfill.

Unlike the comparison made in Section 4.1, the detection of cobalt in surface water downstream is less than the detection of cobalt in the landfill leachate.

4.2.1.1 Appendix I VOCs

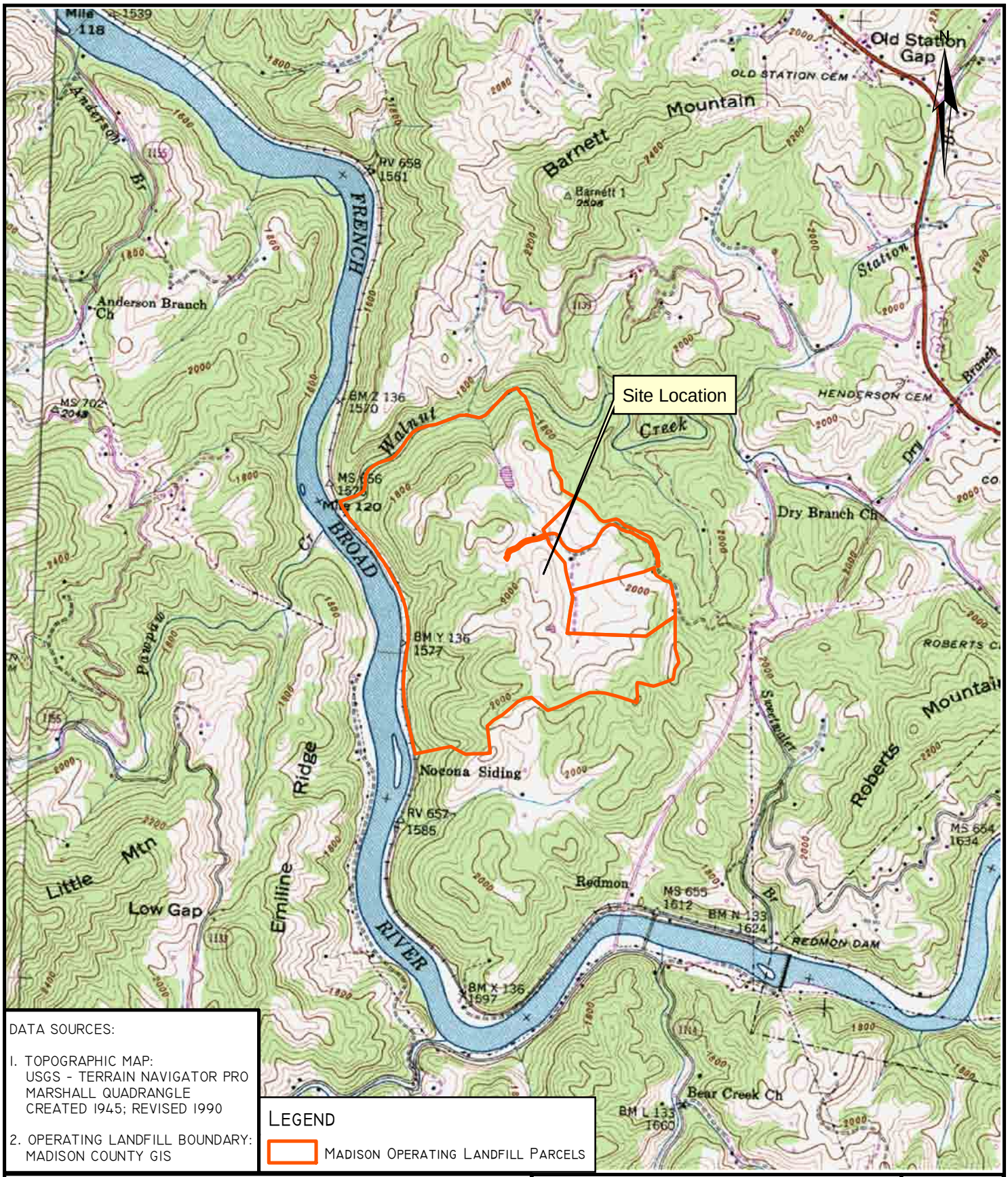
No VOCs were detected at concentrations that exceeded either the associated SWSLs or 2B Standards in either of the surface water samples.

4.3 Lined Leachate Basin

Two metals, cobalt and vanadium, were detected at concentrations of 8.1 *J* and 5.6 *J* which exceed their GWPSs of 1 µg/L and 0.3 µg/L, respectively, but are below their SWSLs of 10 µg/L and 25 µg/L, respectively.

Altamont will continue to monitor metals and VOCs on a semiannual basis at the operating landfill. The next sampling event is scheduled for October 2011.

FIGURES



DATA SOURCES:

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

2. OPERATING LANDFILL BOUNDARY:
   MADISON COUNTY GIS

LEGEND

MADISON OPERATING LANDFILL PARCELS

ALTAMONT ENVIRONMENTAL, INC.
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WWW.ALTAMONTENVIRONMENTAL.COM

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 05/18/2011

SCALE
0 500 1,000 2,000
FEET

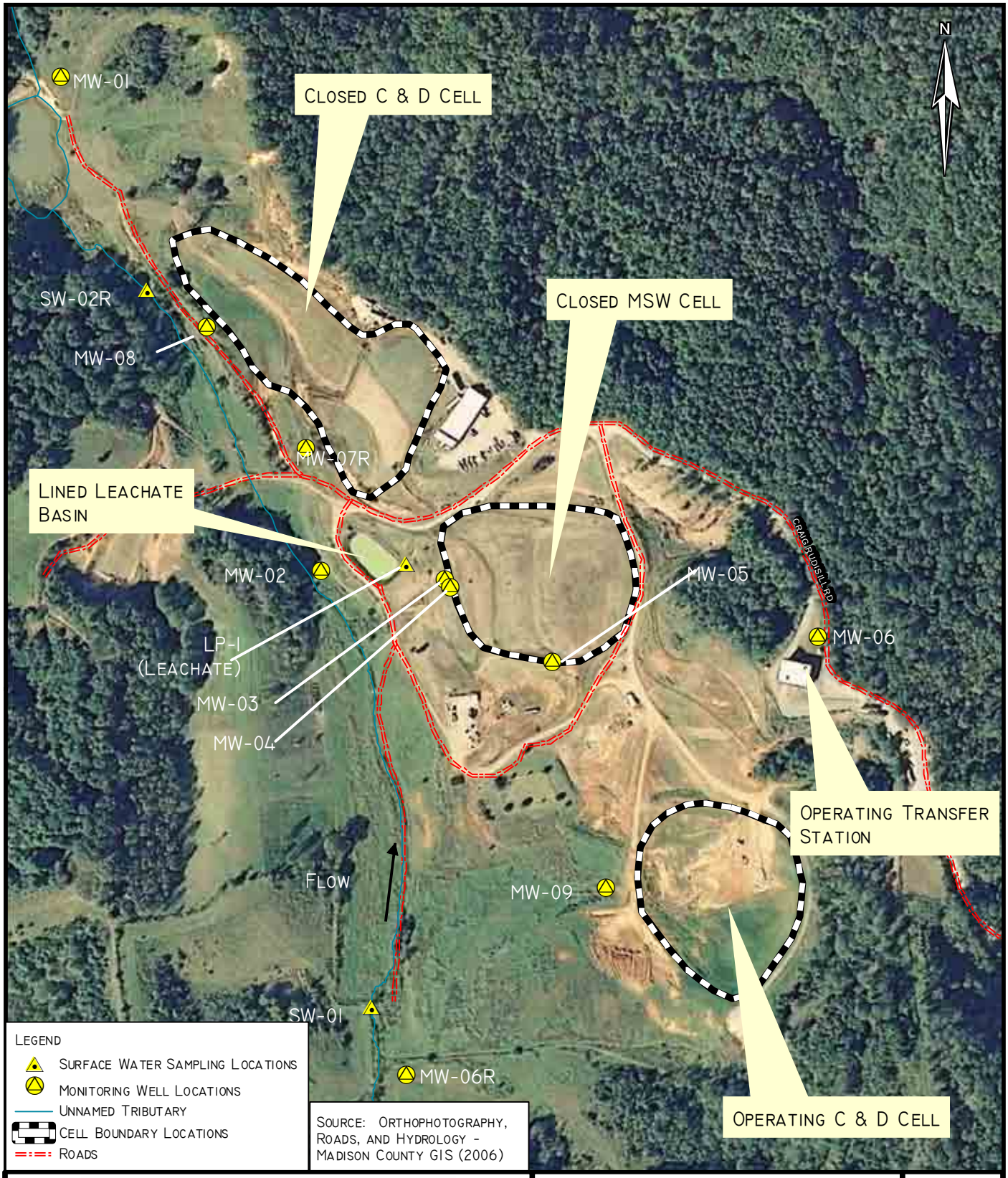
SITE LOCATION MAP

MADISON COUNTY OPERATING
SOLID WASTE FACILITY
PERMIT # 58-03

271 CRAIG RUDISILL ROAD, MARSHALL
NORTH CAROLINA 28753

FIGURE
1

P:\MADISON COUNTY\FIGURES\GIS\GIS USER\MXDS\2011\SPRING\5803FIGURE 1-SITE LOCATION MAP OPERATING.MXD



Altamont Environmental, Inc.
Engineering & Hydrogeology

DRAWN BY: ANNA SAYLOR
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 06/28/2011

Scale
0 100 200 400 Feet

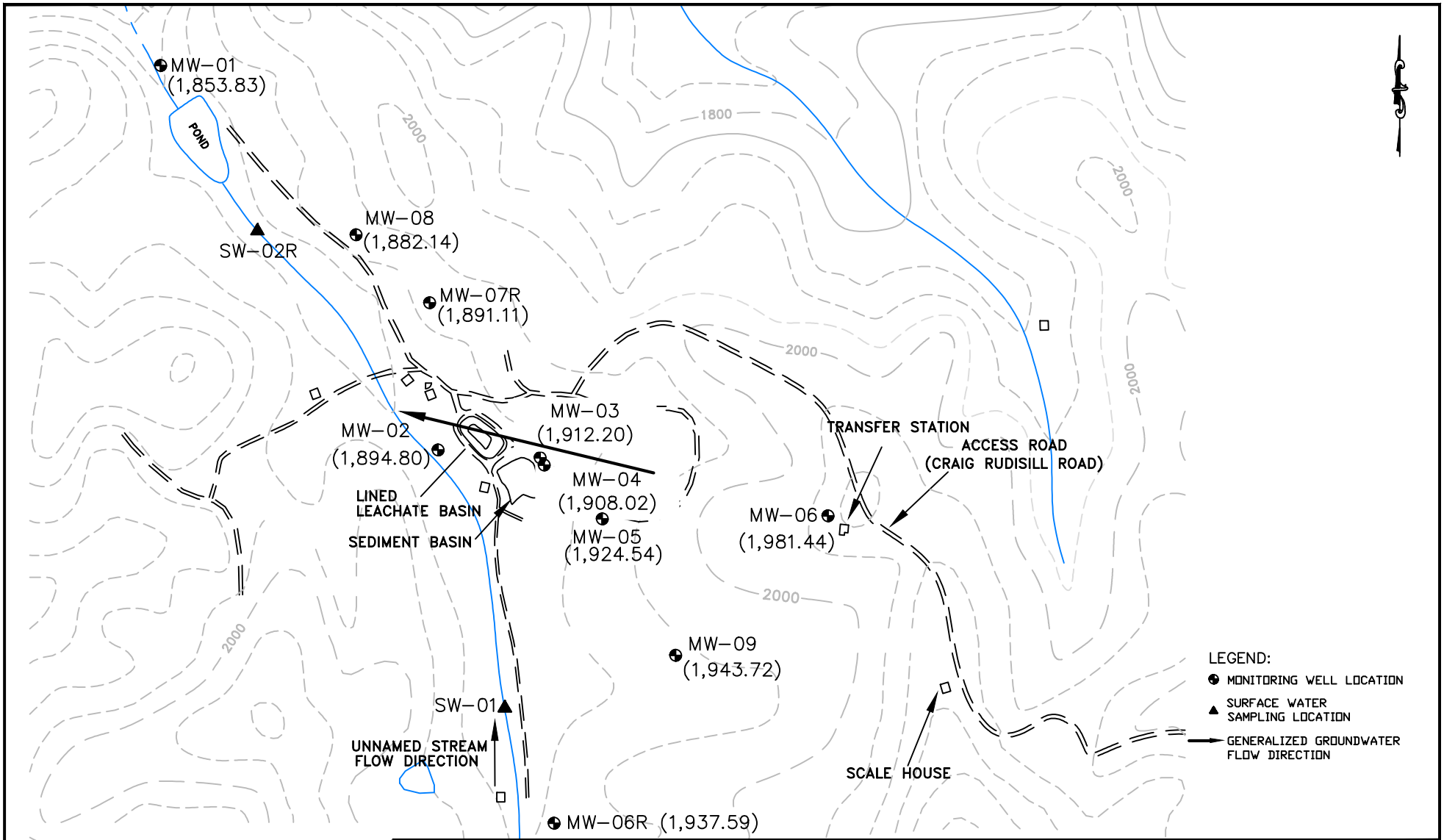
SAMPLE LOCATIONS

MADISON COUNTY OPERATING
SOLID WASTE FACILITY
PERMIT # 58-03

271 CRAIG RUDISILL ROAD, MARSHALL
NORTH CAROLINA 28753

Figure
2

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-02, MW-03, MW-05 MW-08, MW-06R, AND MW-07R (WATER TABLE WELLS)
2. GROUNDWATER ELEVATIONS BASED ON DEPTH TO WATER, MEASURED ON APRIL 19 AND 21, 2011.

ALTAMONT ENVIRONMENTAL, INC.
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DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL D LENK
CLIENT: MADISON COUNTY
DATE: 05/18/2011

SCALE (FEET)
250 0 250 500

GENERALIZED GROUNDWATER FLOW DIRECTION

MADISON COUNTY OPERATING
SOLID WASTE FACILITY
PERMIT # 58-03
271 CRAIG RUDISILL ROAD, MARSHALL
NORTH CAROLINA 28753

FIGURE
3

FILE PATH: P:\MADISON COUNTY\FIGURES\CAD\5803APR2011FIGURE 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	Collect Date	Appendix I Metals	Appendix I VOCs
		EPA 6010 EPA 7470 EPA 200.8	EPA 8260
5803-MW01	04/19/2011	X	X
5803-MW02	04/21/2011	X	X
5803-MW03	04/19/2011	X	X
5803-MW04	04/19/2011	X	X
5803-MW05	04/21/2011	X	X
5803-MW06R	04/19/2011	X	X
5803-MW07R	04/21/2011	X	X
5803-MW08	04/19/2011	X	X
5803-MW09	04/19/2011	X	X
5803-TripBlank	04/19/2011		X
Surface Water Samples			
5803-SW01	04/19/2011	X	X
5803-SW02R	04/19/2011	X	X

Leachate Sample								
Sample Name	Collect Date	Appendix I Metals	Appendix I VOCs	Biochemical Oxygen Demand (BOD)	Chemical Oxygen Demand (COD)	Nitrogen/ Nitrate	Total Phosphorus	Sulfate
		EPA 6010 EPA 7470 EPA 200.8	EPA 8260	SM 5210B	SM 5220D	EPA 353.2	EPA 365.1	EPA 300.0
5803-LP1	04/19/2011	X	X	X	X	X	X	X

Notes:
VOCs = volatile organic compounds

Table 2
Well Construction Details and Corresponding Elevations – April 2011
Madison County Operating Solid Waste Facility, Madison County, North Carolina

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	5.21	1,853.83	7	1,849.5	2 to 17	1,857.04
58-03	5803-MW02	1,898.94	4.14	1,894.80	6	1,890.4	1 to 16	1,897.94
58-03	5803-MW03	1,932.96	20.76	1,912.20	NA	NA	15.5 to 25.5	1,913.72
58-03	5803-MW04	1,935.64	27.62	1,908.02	35.2	1,895.2	70.7 to 80.7	1,862.21
58-03	5803-MW05	1,972.76	48.22	1,924.54	NA	NA	46.5 to 61.5	1,926.26
58-03	5803-MW06	2,082.87	101.43	1,981.44	28	2,052.4	80 to 100	2,002.87
58-03	5803-MW06R	1,942.19	4.60	1,937.59	NA	NA	10 to 25	1,932.19
58-03	5803-MW07R	1,919.34	28.23	1,891.11	NA	NA	26 to 41	1,890.53
58-03	5803-MW08	1,899.92	17.78	1,882.14	NA	NA	16 to 26	1,881.02
58-03	5803-MW09	1,949.43	5.71	1,943.72	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-MW01, 5803-MW02, 5803-MW05, and 5803-MW06, 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-MW03 and 5803-MW04 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-MW07R and 5803-MW08, TOC elevations were taken from boring logs completed by Bunnell-Lammons Engineering, Inc. 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-MW06 was terminated in Fall 2008 because the well went dry. 5803-MW06R was installed on September 27, 2008 to replace 5803-MW06. Survey data for 5803-MW06R 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 19 and 21, 2011.

Table 3
Analytical Data and Field Parameters – April 2011
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW01	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-39-3	15	Barium	119	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-47-3	51	Chromium	1.7	ug/L	J	EPA 6010	0.40	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-48-4	53	Cobalt	**4.9**	ug/L	**J**	EPA 6010	0.60	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-50-8	54	Copper	1.9	ug/L	J	EPA 6010	0.30	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-MW01	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-28-0	194	Thallium	0.22	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-MW01	7440-62-2	209	Vanadium	**2.1**	ug/L	**J**	EPA 6010	0.2	5.0	25	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-66-6	213	Zinc	32.6	ug/L		EPA 6010	0.4	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12

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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW01	7782-44-7	356	Dissolved Oxygen	1.85	mg/L							04/19/2011			
58-03	5803-MW01	SW336	336	Oxygen Reduction Potential	56.1	mV							04/19/2011			
58-03	5803-MW01	SW320	320	pH	4.63	SU							04/19/2011			
58-03	5803-MW01	SW323	323	Specific Conductivity	59	µS							04/19/2011			
58-03	5803-MW01	SW325	325	Temperature	11.02	°C							04/19/2011			
58-03	5803-MW01	SW330	330	Turbidity	25.93	NTU							04/19/2011			
58-03	5803-MW01	SW318	318	Depth to Water	5.21	ft TOC							04/19/2011			
58-03	5803-MW01	SW411	411	Total Well Depth	19.50	ft TOC										
58-03	5803-MW01	SW328	328	Top of Casing	1,859.04	ft msl										
58-03	5803-MW02	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-39-3	15	Barium	130	ug/L		EPA 6010	0.20	5.0	100	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-47-3	51	Chromium	1.4	ug/L	J	EPA 6010	0.40	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-48-4	53	Cobalt	**10.7**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-50-8	54	Copper	1.3	ug/L	J	EPA 6010	0.30	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/21/2011	05/03/2011	05/05/2011	40
58-03	5803-MW02	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-28-0	194	Thallium	0.12	ug/L	*J*	EPA 200.8	0.05	0.10	5.5	1	04/21/2011	04/25/2011	04/29/2011	530
58-03	5803-MW02	7440-62-2	209	Vanadium	**5.1**	ug/L	***J***	EPA 6010	0.2	5.0	25	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-66-6	213	Zinc	39.5	ug/L		EPA 6010	0.4	10.0	10	1	04/21/2011	04/24/2011	04/29/2011	40

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58-03	5803-MW02	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/21/2011		04/30/2011	12

Table 3
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Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW02	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW02	7782-44-7	356	Dissolved Oxygen	0.99	mg/L							04/21/2011			
58-03	5803-MW02	SW336	336	Oxygen Reduction Potential	33.9	mV							04/21/2011			
58-03	5803-MW02	SW320	320	pH	6.01	SU							04/21/2011			
58-03	5803-MW02	SW323	323	Specific Conductivity	173	µS							04/21/2011			
58-03	5803-MW02	SW325	325	Temperature	11.92	°C							04/21/2011			
58-03	5803-MW02	SW330	330	Turbidity	48.14	NTU							04/21/2011			
58-03	5803-MW02	SW318	318	Depth to Water	4.14	ft TOC							04/21/2011			
58-03	5803-MW02	SW411	411	Total Well Depth	18.20	ft TOC										
58-03	5803-MW02	SW328	328	Top of Casing	1,898.94	ft msl										
58-03	5803-MW03	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-38-2	14	Arsenic	2.7	ug/L	J	EPA 6010	2.7	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-39-3	15	Barium	260	ug/L		EPA 6010	0.2	5.0	100	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-47-3	51	Chromium	0.40	ug/L	U	EPA 6010	0.40	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-48-4	53	Cobalt	**121**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-50-8	54	Copper	1.8	ug/L	J	EPA 6010	0.30	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-MW03	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-22-4	184	Silver	0.20	ug/L	J	EPA 6010	0.10	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-28-0	194	Thallium	0.14	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-MW03	7440-62-2	209	Vanadium	0.20	ug/L	U	EPA 6010	0.20	5.0	25	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-66-6	213	Zinc	78.3	ug/L		EPA 6010	0.4	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12

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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW03	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW03	7782-44-7	356	Dissolved Oxygen	0.72	mg/L							04/19/2011			
58-03	5803-MW03	SW336	336	Oxygen Reduction Potential	-12.1	mV							04/19/2011			
58-03	5803-MW03	SW320	320	pH	6.66	SU							04/19/2011			
58-03	5803-MW03	SW323	323	Specific Conductivity	501	µS							04/19/2011			
58-03	5803-MW03	SW325	325	Temperature	15.68	°C							04/19/2011			
58-03	5803-MW03	SW330	330	Turbidity	162.0	NTU							04/19/2011			
58-03	5803-MW03	SW318	318	Depth to Water	20.76	ft TOC							04/19/2011			
58-03	5803-MW03	SW411	411	Total Well Depth	35.90	ft TOC										
58-03	5803-MW03	SW328	328	Top of Casing (TOC)	1,932.96	ft msl										
58-03	5803-MW04	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40

Table 3
Analytical Data and Field Parameters – April 2011
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW04	7440-39-3	15	Barium	132	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-47-3	51	Chromium	1.1	ug/L	J	EPA 6010	0.40	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-48-4	53	Cobalt	**3.3**	ug/L	**J**	EPA 6010	0.60	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-50-8	54	Copper	0.43	ug/L	J	EPA 6010	0.30	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-MW04	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-22-4	184	Silver	0.16	ug/L	J	EPA 6010	0.10	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-28-0	194	Thallium	0.065	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-MW04	7440-62-2	209	Vanadium	**3.2**	ug/L	**J**	EPA 6010	0.20	5.0	25	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-66-6	213	Zinc	8.2	ug/L	J	EPA 6010	0.40	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12

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58-03	5803-MW04	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW04	7782-44-7	356	Dissolved Oxygen	3.39	mg/L							04/19/2011			
58-03	5803-MW04	SW336	336	Oxygen Reduction Potential	11.9	mV							04/19/2011			
58-03	5803-MW04	SW320	320	pH	6.45	SU							04/19/2011			
58-03	5803-MW04	SW323	323	Specific Conductivity	194	µS							04/19/2011			
58-03	5803-MW04	SW325	325	Temperature	17.02	°C							04/19/2011			
58-03	5803-MW04	SW330	330	Turbidity	0.00	NTU							04/19/2011			
58-03	5803-MW04	SW318	318	Depth to Water	27.62	ft TOC							04/19/2011			
58-03	5803-MW04	SW411	411	Total Well Depth	83.00	ft TOC										
58-03	5803-MW04	SW328	328	Top of Casing (TOC)	1,935.64	ft msl										
58-03	5803-MW05	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-39-3	15	Barium	135	ug/L		EPA 6010	0.20	5.0	100	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-47-3	51	Chromium	6.2	ug/L	*J*	EPA 6010	0.40	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-48-4	53	Cobalt	**10.9**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-50-8	54	Copper	3.8	ug/L	J	EPA 6010	0.30	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/21/2011	05/03/2011	05/05/2011	40
58-03	5803-MW05	7440-02-0	152	Nickel	4.8	ug/L	J	EPA 6010	1.7	5.0	50	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 200.8	0.05	0.10	5.5	1	04/21/2011	04/25/2011	04/29/2011	530
58-03	5803-MW05	7440-62-2	209	Vanadium	**7.7**	ug/L	***J***	EPA 6010	0.2	5.0	25	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-66-6	213	Zinc	26.4	ug/L		EPA 6010	0.4	10.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/21/2011		04/30/2011	12

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58-03	5803-MW05	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/21/2011		04/30/2011	12

Table 3
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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW05	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW05	7782-44-7	356	Dissolved Oxygen	0.79	mg/L							04/21/2011			
58-03	5803-MW05	SW336	336	Oxygen Reduction Potential	14.9	mV							04/21/2011			
58-03	5803-MW05	SW320	320	pH	6.03	SU							04/21/2011			
58-03	5803-MW05	SW323	323	Specific Conductivity	227	µS							04/21/2011			
58-03	5803-MW05	SW325	325	Temperature	14.28	°C							04/21/2011			
58-03	5803-MW05	SW330	330	Turbidity	13.07	NTU							04/21/2011			
58-03	5803-MW05	SW318	318	Depth to Water	48.22	ft TOC							04/21/2011			
58-03	5803-MW05	SW411	411	Total Well Depth	64.00	ft TOC										
58-03	5803-MW05	SW328	328	Top of Casing (TOC)	1,972.76	ft msl										
58-03	5803-MW06R	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-39-3	15	Barium	594	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-41-7	23	Beryllium	0.38	ug/L	J	EPA 6010	0.10	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-47-3	51	Chromium	**23.7**	ug/L		EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-48-4	53	Cobalt	**58.5**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-50-8	54	Copper	14.9	ug/L		EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-MW06R	7440-02-0	152	Nickel	78.0	ug/L		EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-28-0	194	Thallium	0.063	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-MW06R	7440-62-2	209	Vanadium	**95.9**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-66-6	213	Zinc	138	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12

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58-03	5803-MW06R	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW06R	7782-44-7	356	Dissolved Oxygen	1.85	mg/L							04/19/2011			
58-03	5803-MW06R	SW336	336	Oxygen Reduction Potential	17.0	mV							04/19/2011			
58-03	5803-MW06R	SW320	320	pH	6.76	SU							04/19/2011			
58-03	5803-MW06R	SW323	323	Specific Conductivity	125	uS							04/19/2011			
58-03	5803-MW06R	SW325	325	Temperature	13.31	°C							04/19/2011			
58-03	5803-MW06R	SW330	330	Turbidity	532.40	NTU							04/19/2011			
58-03	5803-MW06R	SW318	318	Depth to Water	4.60	ft TOC							04/19/2011			
58-03	5803-MW06R	SW411	411	Total Well Depth	25.00	ft TOC										
58-03	5803-MW06R	SW328	328	Top of Casing (TOC)	1,942.19	ft msl										
58-03	5803-MW07R	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-38-2	14	Arsenic	7.1	ug/L	J	EPA 6010	2.7	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-39-3	15	Barium	336	ug/L		EPA 6010	0.20	5.0	100	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-41-7	23	Beryllium	1.2	ug/L		EPA 6010	0.10	1.0	1	1	04/21/2011	04/29/2011	05/02/2011	40

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58-03	5803-MW07R	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-47-3	51	Chromium	**33.0**	ug/L		EPA 6010	0.40	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-48-4	53	Cobalt	**19.8**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-50-8	54	Copper	8.6	ug/L	J	EPA 6010	0.30	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/21/2011	05/03/2011	05/05/2011	40
58-03	5803-MW07R	7440-02-0	152	Nickel	11.0	ug/L	J	EPA 6010	1.7	5.0	50	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-28-0	194	Thallium	0.065	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/21/2011	04/25/2011	04/29/2011	530
58-03	5803-MW07R	7440-62-2	209	Vanadium	**47.6**	ug/L		EPA 6010	0.20	5.0	25	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-66-6	213	Zinc	95.0	ug/L		EPA 6010	0.40	10.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/21/2011		04/30/2011	12

Table 3
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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW07R	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/21/2011		04/30/2011	12
58-03	5803-MW07R	7782-44-7	356	Dissolved Oxygen	2.17	mg/L							04/21/2011			
58-03	5803-MW07R	SW336	336	Oxygen Reduction Potential	27.9	mV							04/21/2011			
58-03	5803-MW07R	SW320	320	pH	5.87	SU							04/21/2011			
58-03	5803-MW07R	SW323	323	Specific Conductivity	55	µS							04/21/2011			
58-03	5803-MW07R	SW325	325	Temperature	14.03	°C							04/21/2011			
58-03	5803-MW07R	SW330	330	Turbidity	354.6	NTU							04/21/2011			
58-03	5803-MW07R	SW318	318	Depth to Water	28.23	ft TOC							04/21/2011			
58-03	5803-MW07R	SW411	411	Total Well Depth	41.40	ft TOC										
58-03	5803-MW07R	SW328	328	Top of Casing (TOC)	1,919.34	ft msl										
58-03	5803-MW08	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-39-3	15	Barium	280	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-47-3	51	Chromium	**22.2**	ug/L		EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-48-4	53	Cobalt	**61.7**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-50-8	54	Copper	39.2	ug/L		EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-MW08	7440-02-0	152	Nickel	44.8	ug/L	J	EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-28-0	194	Thallium	0.081	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-MW08	7440-62-2	209	Vanadium	**110**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-66-6	213	Zinc	150	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12

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58-03	5803-MW08	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW08	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12

Table 3
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Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW08	7782-44-7	356	Dissolved Oxygen	3.19	mg/L							04/19/2011			
58-03	5803-MW08	SW336	336	Oxygen Reduction Potential	16.1	mV							04/19/2011			
58-03	5803-MW08	SW320	320	pH	6.92	SU							04/19/2011			
58-03	5803-MW08	SW323	323	Specific Conductivity	287	µS							04/19/2011			
58-03	5803-MW08	SW325	325	Temperature	15.09	°C							04/19/2011			
58-03	5803-MW08	SW330	330	Turbidity	267.2	NTU							04/19/2011			
58-03	5803-MW08	SW318	318	Depth to Water	17.78	ft TOC							04/19/2011			
58-03	5803-MW08	SW411	411	Total Well Depth	26.60	ft TOC										
58-03	5803-MW08	SW328	328	Top of Casing (TOC)	1,899.92	ft msl										
58-03	5803-MW09	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-39-3	15	Barium	345	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-47-3	51	Chromium	5.5	ug/L	J	EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-48-4	53	Cobalt	**19.8**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-50-8	54	Copper	11.4	ug/L		EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-MW09	7440-02-0	152	Nickel	4.9	ug/L	J	EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-28-0	194	Thallium	0.056	ug/L	J	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-MW09	7440-62-2	209	Vanadium	**40.9**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-66-6	213	Zinc	74.3	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12

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58-03	5803-MW09	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-MW09	7782-44-7	356	Dissolved Oxygen	1.09	mg/L							04/19/2011			
58-03	5803-MW09	SW336	336	Oxygen Reduction Potential	14.9	mV							04/19/2011			
58-03	5803-MW09	SW320	320	pH	6.89	SU							04/19/2011			
58-03	5803-MW09	SW323	323	Specific Conductivity	151	µS							04/19/2011			
58-03	5803-MW09	SW325	325	Temperature	14.39	°C							04/19/2011			
58-03	5803-MW09	SW330	330	Turbidity	223.1	NTU							04/19/2011			
58-03	5803-MW09	SW318	318	Depth to Water	5.71	ft							04/19/2011			
58-03	5803-MW09	SW411	411	Total Well Depth	25.34	ft										
58-03	5803-MW09	SW328	328	Top of Casing	1,949.43	ft msl										
58-03	5803-SW01	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-39-3	15	Barium	48.4	ug/L	J	EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-47-3	51	Chromium	0.62	ug/L	J	EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40

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58-03	5803-SW01	7440-48-4	53	Cobalt	1.5	ug/L	J	EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-50-8	54	Copper	1.5	ug/L	J	EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-SW01	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-SW01	7440-62-2	209	Vanadium	1.1	ug/L	J	EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	7440-66-6	213	Zinc	8.2	ug/L	J	EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12

Table 3

Analytical Data and Field Parameters – April 2011

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

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-SW01	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW01	7782-44-7	356	Dissolved Oxygen	2.67	mg/L							04/19/2011			
58-03	5803-SW01	SW336	336	Oxygen Reduction Potential	-11.9	mV							04/19/2011			
58-03	5803-SW01	SW320	320	pH	6.94	SU							04/19/2011			
58-03	5803-SW01	SW323	323	Specific Conductivity	92	µS							04/19/2011			
58-03	5803-SW01	SW325	325	Temperature	21.25	°C							04/19/2011			
58-03	5803-SW01	SW330	330	Turbidity	0.92	NTU							04/19/2011			
58-03	5803-SW02R	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-39-3	15	Barium	71.9	ug/L	J	EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-47-3	51	Chromium	1.6	ug/L	J	EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-48-4	53	Cobalt	**7.3**	ug/L	***J***	EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-50-8	54	Copper	1.5	ug/L	J	EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-SW02R	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-SW02R	7440-62-2	209	Vanadium	6.0	ug/L	J	EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	7440-66-6	213	Zinc	14.9	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-SW02R	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12

Table 3
Analytical Data and Field Parameters – April 2011
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-SW02R	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-SW02R	7782-44-7	356	Dissolved Oxygen	6.26	mg/L							04/19/2011			
58-03	5803-SW02R	SW336	336	Oxygen Reduction Potential	5.9	mV							04/19/2011			
58-03	5803-SW02R	SW320	320	pH	6.64	SU							04/19/2011			
58-03	5803-SW02R	SW323	323	Specific Conductivity	159	µS							04/19/2011			
58-03	5803-SW02R	SW325	325	Temperature	13.41	°C							04/19/2011			

Table 3
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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-SW02R	SW330	330	Turbidity	0.00	NTU							04/19/2011			
58-03	5803-LP1	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-39-3	15	Barium	88.2	ug/L	J	EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-41-7	23	Beryllium	0.10	ug/L	U	EPA 6010	0.10	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-47-3	51	Chromium	1.0	ug/L	J	EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-48-4	53	Cobalt	**8.1**	ug/L	***J***	EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-50-8	54	Copper	2.2	ug/L	J	EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	04/19/2011	05/03/2011	05/05/2011	40
58-03	5803-LP1	7440-02-0	152	Nickel	6.7	ug/L	J	EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-22-4	184	Silver	0.10	ug/L	U	EPA 6010	0.10	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 200.8	0.05	0.10	5.5	1	04/19/2011	04/25/2011	04/29/2011	530
58-03	5803-LP1	7440-62-2	209	Vanadium	**5.6**	ug/L	***J***	EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-66-6	213	Zinc	16.4	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	67-64-1	3	Acetone	3.4	ug/L	J	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12

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58-03	5803-LP1	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-LP1	SW316	316	BOD, 5 day	52,900	ug/L		SM 5210B	2,000	2,000	NE	1	04/26/2011	04/26/2011	05/01/2011	40
58-03	5803-LP1	SW317	317	Chemical Oxygen Demand	151,000	ug/L		SM 5220D	25,000	25,000	NE	1	04/19/2011	05/03/2011	05/03/2011	40
58-03	5803-LP1	SW419	419	Nitrogen, Nitrate	100	ug/L	U	EPA 353.2	100	100	NE	1	04/26/2011	04/27/2011	04/27/2011	40
58-03	5803-LP1	7723-14-0	412	Phosphorus	310	ug/L		EPA 365.1	50	50	NE	1	04/19/2011	05/03/2011	05/03/2011	40
58-03	5803-LP1	14808-79-8	315	Sulfate	76,700	ug/L		EPA 300.0	25,000	25,000	250,000	5	04/19/2011	05/04/2011	05/04/2011	40
58-03	5803-LP1	7782-44-7	356	Dissolved Oxygen	3.63	mg/L							04/19/2011			
58-03	5803-LP1	SW336	336	Oxygen Reduction Potential	-28.5	mV							04/19/2011			
58-03	5803-LP1	SW320	320	pH	10.70	SU							04/19/2011			
58-03	5803-LP1	SW323	323	Specific Conductivity	613	µS							04/19/2011			
58-03	5803-LP1	SW325	325	Temperature	23.41	°C							04/19/2011			
58-03	5803-LP1	SW330	330	Turbidity	84.95	NTU							04/19/2011			
58-03	5803-TRIPBLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/19/2011		04/30/2011	12

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58-03	5803-TRIPBLANK	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	109-99-9	458	Tetrahydrofuran	3.1	ug/L	U	EPA 8260	3.1	10.0	NE	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/19/2011		04/30/2011	12
58-03	5803-TRIPBLANK	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/19/2011		04/30/2011	12

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).
3. "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.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
5. "Method" is the analytical method used to analyze the constituents. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
6. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

Table 3
Analytical Data and Field Parameters – April 2011
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER

7. 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 assigned by the laboratory for parameters detected at estimated concentrations above the MDL but below the laboratory's Method Reporting Limit (MRL) and the SWSL. An italicized *J*-flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than the MDL and the laboratory's MRL but less than the SWSL.
8. "Dilution Factor" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "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. 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).
13. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).
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 March 18, 2011).
15. Depth to water was measured from top of casing (TOC).

Table 4
Solid Waste Section Limit Exceedance Notification
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-MW01	7440-39-3	15	Barium	119	ug/L		EPA 6010	0.2	5.0	100	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW01	7440-66-6	213	Zinc	32.6	ug/L		EPA 6010	0.4	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-39-3	15	Barium	130	ug/L		EPA 6010	0.2	5.0	100	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-48-4	53	Cobalt	**10.7**	ug/L		EPA 6010	0.6	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW02	7440-66-6	213	Zinc	39.5	ug/L		EPA 6010	0.4	10.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-39-3	15	Barium	260	ug/L		EPA 6010	0.2	5.0	100	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-48-4	53	Cobalt	**121**	ug/L		EPA 6010	0.6	5.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW03	7440-66-6	213	Zinc	78.3	ug/L		EPA 6010	0.4	10.0	10	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW04	7440-39-3	15	Barium	132	ug/L		EPA 6010	0.2	5.0	100	1	04/19/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-39-3	15	Barium	135	ug/L		EPA 6010	0.2	5.0	100	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-48-4	53	Cobalt	**10.9**	ug/L		EPA 6010	0.6	5.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW05	7440-66-6	213	Zinc	26.4	ug/L		EPA 6010	0.4	10.0	10	1	04/21/2011	04/24/2011	04/29/2011	40
58-03	5803-MW06R	7440-39-3	15	Barium	594	ug/L		EPA 6010	0.2	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-47-3	51	Chromium	**23.7**	ug/L		EPA 6010	0.4	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-48-4	53	Cobalt	**58.5**	ug/L		EPA 6010	0.6	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-50-8	54	Copper	14.9	ug/L		EPA 6010	0.3	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-02-0	152	Nickel	78.0	ug/L		EPA 6010	1.7	5.0	50	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-62-2	209	Vanadium	**95.9**	ug/L		EPA 6010	0.2	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW06R	7440-66-6	213	Zinc	138	ug/L		EPA 6010	0.4	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-39-3	15	Barium	336	ug/L		EPA 6010	0.2	5.0	100	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-41-7	23	Beryllium	1.2	ug/L		EPA 6010	0.10	1.0	1	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-47-3	51	Chromium	**33.0**	ug/L		EPA 6010	0.40	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-48-4	53	Cobalt	**19.8**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-62-2	209	Vanadium	**47.6**	ug/L		EPA 6010	0.20	5.0	25	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW07R	7440-66-6	213	Zinc	95.0	ug/L		EPA 6010	0.40	10.0	10	1	04/21/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-39-3	15	Barium	280	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-47-3	51	Chromium	**22.2**	ug/L		EPA 6010	0.40	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-48-4	53	Cobalt	**61.7**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-50-8	54	Copper	39.2	ug/L		EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-62-2	209	Vanadium	**110**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW08	7440-66-6	213	Zinc	150	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-39-3	15	Barium	345	ug/L		EPA 6010	0.20	5.0	100	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-48-4	53	Cobalt	**19.8**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-50-8	54	Copper	11.4	ug/L		EPA 6010	0.30	5.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-62-2	209	Vanadium	**40.9**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-MW09	7440-66-6	213	Zinc	74.3	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40

Table 4
Solid Waste Section Limit Exceedance Notification
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-03	5803-SW02R	7440-66-6	213	Zinc	14.9	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40
58-03	5803-LP1	7440-66-6	213	Zinc	16.4	ug/L		EPA 6010	0.40	10.0	10	1	04/19/2011	04/29/2011	05/02/2011	40

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).
3. "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.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the analytical report.
5. "Method" is the analytical method used to analyze the constituents. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
6. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
7. 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 assigned by the laboratory for parameters detected at estimated concentrations above the MDL but below the laboratory's Method Reporting Limit (MRL) and the SWSL. An italicized *J*-flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than the MDL and the laboratory's MRL but less than the SWSL.
8. "Dilution Factor" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "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. 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).
13. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).
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 March 18, 2011).
15. Depth to water was measured from top of casing (TOC).

Table 5
Water Quality Standards Exceedance Notification
Madison County Operating Solid Waste Facility, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	WATER QUALITY STANDARD	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	ANALYSIS DATE	CAUSE AND SIGNIFICANCE
GROUNDWATER SAMPLES - 2L STANDARD OR GWPS (ug/L)																
58-03	5803-MW01	7440-48-4	53	Cobalt	1	**4.9**	ug/L	J	EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	Possibly naturally occurring.
58-03	5803-MW01	7440-62-2	209	Vanadium	0.3	**2.1**	ug/L	J	EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	Turbidity of sample at 25.93 NTU.
58-03	5803-MW02	7440-48-4	53	Cobalt	1	**10.7**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	04/29/2011	Possibly naturally occurring.
58-03	5803-MW02	7440-62-2	209	Vanadium	0.3	**5.1**	ug/L	J	EPA 6010	0.20	5.0	25	1	04/21/2011	04/29/2011	Turbidity of sample at 48.14 NTU.
58-03	5803-MW03	7440-48-4	53	Cobalt	1	**121**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	Possibly naturally occurring. Turbidity of sample at 162.0 NTU.
58-03	5803-MW04	7440-48-4	53	Cobalt	1	**3.3**	ug/L	J	EPA 6010	0.60	5.0	10	1	04/19/2011	04/29/2011	Possibly naturally occurring.
58-03	5803-MW04	7440-62-2	209	Vanadium	0.3	**3.2**	ug/L	J	EPA 6010	0.20	5.0	25	1	04/19/2011	04/29/2011	Turbidity of sample at 0.00 NTU.
58-03	5803-MW05	7440-48-4	53	Cobalt	1	**10.9**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	04/29/2011	Possibly naturally occurring.
58-03	5803-MW05	7440-62-2	209	Vanadium	0.3	**7.7**	ug/L	J	EPA 6010	0.20	5.0	25	1	04/21/2011	04/29/2011	Turbidity of sample at 13.07 NTU.
58-03	5803-MW06R	7440-47-3	51	Chromium	10	**23.7**	ug/L		EPA 6010	0.40	5.0	10	1	04/19/2011	05/02/2011	Possibly naturally occurring.
58-03	5803-MW06R	7440-48-4	53	Cobalt	1	**58.5**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	05/02/2011	Turbidity of sample at 532.4 NTU.
58-03	5803-MW06R	7440-62-2	209	Vanadium	0.3	**95.9**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	05/02/2011	
58-03	5803-MW07R	7440-47-3	51	Chromium	10	**33.0**	ug/L		EPA 6010	0.40	5.0	10	1	04/21/2011	05/02/2011	Possibly naturally occurring.
58-03	5803-MW07R	7440-48-4	53	Cobalt	1	**19.8**	ug/L		EPA 6010	0.60	5.0	10	1	04/21/2011	05/02/2011	Turbidity of sample at 354.6 NTU.
58-03	5803-MW07R	7440-62-2	209	Vanadium	0.3	**47.6**	ug/L		EPA 6010	0.20	5.0	25	1	04/21/2011	05/02/2011	
58-03	5803-MW08	7440-47-3	51	Chromium	10	**22.2**	ug/L		EPA 6010	0.40	5.0	10	1	04/19/2011	05/02/2011	Possibly naturally occurring.
58-03	5803-MW08	7440-48-4	53	Cobalt	1	**61.7**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	05/02/2011	Turbidity of sample at 267.2 NTU.
58-03	5803-MW08	7440-62-2	209	Vanadium	0.3	**110**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	05/02/2011	
58-03	5803-MW09	7440-48-4	53	Cobalt	1	**19.8**	ug/L		EPA 6010	0.60	5.0	10	1	04/19/2011	05/02/2011	Possibly naturally occurring.
58-03	5803-MW09	7440-62-2	209	Vanadium	0.3	**40.9**	ug/L		EPA 6010	0.20	5.0	25	1	04/19/2011	05/02/2011	Turbidity of sample at 223.1 NTU.
58-03	5803-LP1	7440-48-4	53	Cobalt	1	**8.1**	ug/L	J	EPA 6010	0.60	5.0	10	1	04/19/2011	05/02/2011	Possibly naturally occurring.
58-03	5803-LP1	7440-62-2	209	Vanadium	0.3	**5.6**	ug/L	J	EPA 6010	0.20	5.0	25	1	04/19/2011	05/02/2011	Turbidity of sample at 84.95 NTU.
SURFACE WATER SAMPLES - 2B STANDARD OR NATIONAL CRITERIA PER EPA FOR CLASS C WATERS (ug/L)																
58-03	5803-SW02R	7440-48-4	53	Cobalt	4	**7.3**	ug/L	J	EPA 6010	0.60	5.0	10	1	04/19/2011	05/02/2011	Possibly naturally occurring. Turbidity of sample at 0.00 NTU.

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).
3. "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.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
5. "Method" is the analytical method used to analyze the constituents. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
6. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

Table 5
Water Quality Standards Exceedance Notification
Madison County Operating Solid Waste Facility, Madison County, North Carolina

7. 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 assigned by the laboratory for parameters detected at estimated concentrations above the MDL but below the laboratory's Method Reporting Limit (MRL) and the SWSL. An italicized *J* -flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than the MDL and the laboratory's MRL but less than the SWSL.
8. "Dilution Factor" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "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. 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).
13. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).
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 March 18, 2011).
15. National Criteria per EPA for class C waters are obtained from NC & EPA Criteria Table current as of February 5, 2010.
15. Depth to water was measured from top of casing (TOC).

APPENDICES

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

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

Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill — PROJECT NUMBER: 2313
LOCATION: Marshall, NC — DATE: 4/19/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Sunny 60°

Well ID:	MW-01	Arrive at Well:	835
Screen Interval:	2 to 17 bgs	Start Time:	851
Depth to Water:	5.21 toc	Sample Time:	911
Stickup:	2.0	Finish Sample Time:	914
Depth of Pump Intake:	14.0 toc	Leave Well:	928
Drawdown Set:	5.81 toc		

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)
853	5.81	11.08	77	16.30	5.04	41.4	101.3
856	5.81	11.20	59	6.48	3.43	101.8	42.01
859	5.81	11.06	56	3.37	3.67	82.3	41.10
902	5.81	10.98	57	2.22	4.19	64.5	33.70
905	5.81	10.99	58	1.87	4.51	54.5	30.33
908	5.81	11.01	59	1.84	4.59	53.9	27.62
911	5.81	11.02	59	1.85	4.63	56.1	25.93

Time between recharge during sample collection: 5 secs @ 30PM

Sampling Personnel Signature: [signature] Date: 4/19/11

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
DO = dissolved oxygen
mg/L = milligrams per liter
S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
PROJECT NUMBER: 2313
LOCATION: Marshall, NC
DATE: 4/21/2011
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Cloudy 60°

Well ID:	MW-02		Arrive at Well:	913
Screen Interval:	1 to 16	bgs	Start Time:	920
Depth to Water:	4.14	toc	Sample Time:	940
Stickup:	0.5		Finish Sample Time:	946
Depth of Pump Intake:	10.0	toc	Leave Well:	959
Drawdown Set:	4.44	toc		

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)
924	4.44	12.49	182	5.51	5.84	33.7	143.4
927	4.44	12.11	178	3.73	5.93	30.9	151.0
930	4.44	12.06	180	2.09	5.82	39.0	140.1
933	4.44	11.97	176	1.20	5.91	36.9	110.9
936	4.44	11.98	175	0.88	5.98	34.9	87.82
939	4.44	11.95	173	0.91	6.03	34.4	54.60
942	4.44	11.92	173	0.99	6.01	33.9	48.14

Time between recharge during sample collection: 15 secs @ 3GPM

Sampling Personnel Signature: [signature]
Date: 4/21/11

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
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
LOCATION: Marshall, NC — DATE: 4/19/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Sunny 60°

Well ID:	MW-03	Arrive at Well:	1036
Screen Interval:	15.5 to 25.5 bgs	Start Time:	1047
Depth to Water:	20.76 toc	Sample Time:	1110
Stickup:	3.7	Finish Sample Time:	1114
Depth of Pump Intake:	27.5 toc	Leave Well:	1124
Drawdown Set:	21.76 toc		

COMMENTS:
Water very orange when first started purging then became more clear

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	21.06	16.24	441	5.01	6.20	8.5	>1100
1052	21.36	15.96	453	3.88	6.36	5.4	>1100
1055	21.76	15.32	462	2.16	6.46	3.7	589.9
1058	21.76	15.36	472	1.35	6.55	-1.8	398.6
1101	21.76	15.61	482	0.95	6.59	-6.2	294.9
1104	21.76	15.64	493	0.80	6.62	-10.3	237.4
1107	21.76	15.60	498	0.76	6.66	-11.6	171.9
1110	21.76	15.68	501	0.72	6.66	-12.1	162.0

Time between recharge during sample collection: 30 Secs @ 3GPM

Sampling Personnel Signature: [signature] Date: 4/19/11

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
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

27.5

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill — PROJECT NUMBER: 2313
LOCATION: Marshall, NC — DATE: 4/19/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Sunny 60°

Well ID:	MW-04	Arrive at Well:	1125
Screen Interval:	70.7 to 80.7 bgs	Start Time:	1129
Depth to Water:	27.62 toc	Sample Time:	1150
Stickup:	4.0	Finish Sample Time:	1154
Depth of Pump Intake:	77.7 toc	Leave Well:	1205
Drawdown Set:	27.92 toc		

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)
1132	27.92	19.03	199	5.15	6.51	4.1	0.98
1135	27.92	17.63	196	4.59	6.43	8.7	7.68
1138	27.92	17.28	195	3.92	6.39	11.4	7.57
1141	27.92	17.04	194	3.75	6.38	12.2	0.05
1144	27.92	17.07	194	3.50	6.41	12.2	0.00
1147	27.92	17.08	194	3.43	6.43	12.0	0.00
1150	27.92	17.02	194	3.39	6.45	11.9	0.00

Time between recharge during sample collection: 25 secs @ 3CPM

Sampling Personnel Signature: Date: 4/19/11

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
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

77.7.

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill — PROJECT NUMBER: 7313
LOCATION: Marshall, NC — DATE: 4/21/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Cloudy

Well ID:	MW-05	Arrive at Well:	1007
Screen Interval:	46.5 to 61.5 bgs	Start Time:	1038
Depth to Water:	48.22 toc	Sample Time:	1046
Stickup:	1.5	Finish Sample Time:	1051
Depth of Pump Intake:	57.0 toc	Leave Well:	1111
Drawdown Set:	50.22 toc		

COMMENTS:
Well recharged quicker than last time (Fall 2010)

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1031	49.22	14.78	217	3.90	5.91	39.6	31.89
1034	50.22	14.45	222	2.81	5.98	17.1	34.70
1037	50.22	14.31	225	1.25	6.00	14.5	22.79
1040	50.22	14.31	226	0.90	6.02	14.7	18.88
1043	50.22	14.29	227	0.85	6.03	14.4	18.30
1046	50.22	14.28	227	0.79	6.03	14.9	13.07

Time between recharge during sample collection: 25 secs @ 3 GPM

Sampling Personnel Signature: [signature] Date: 4/21/11

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
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
LOCATION: Marshall, NC — DATE: 4/19/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Sunny 65°

Well ID:	MW-06R	Arrive at Well:	1337
Screen Interval:	10 to 25 bgs	Start Time:	1356
Depth to Water:	4.60 toc	Sample Time:	1409
Stickup:	0.0	Finish Sample Time:	1413
Depth of Pump Intake:	18.0 toc	Leave Well:	1423
Drawdown Set:	4.90 toc		

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)
1351	4.70	16.13	129	4.05	6.58	-7.4	308.1
1354	4.90	13.97	125	3.05	6.66	9.9	>1000
1357	4.90	13.60	125	2.61	6.70	13.8	997.8
1400	4.90	13.34	125	2.19	6.71	17.1	782.0
1403	4.90	13.42	124	1.91	6.73	16.8	573.0
1406	4.90	13.18	125	1.88	6.71	16.4	506.2
1409	4.90	13.31	125	1.85	6.76	17.0	532.4

Time between recharge during sample collection: 1 sec @ 3:PM

Sampling Personnel Signature: [signature] Date: 4/19/11

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
DO = dissolved oxygen
mg/L = milligrams per liter
S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Low-Flow Sampling Log

PROJECT NAME: Madison Co. Operating Landfill — PROJECT NUMBER: 2313
LOCATION: Marshall, NC — DATE: 4/21/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Cloudy 55°

Well ID:	MW-07R	Arrive at Well:	810
Screen Interval:	26 to 41 bgs	Start Time:	823
Depth to Water:	28.23 toc	Sample Time:	845
Stickup:	3.0	Finish Sample Time:	854
Depth of Pump Intake:	37.0 toc	Leave Well:	910
Drawdown Set:	30.23 toc		

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)
827	28.53	14.78	58	12.06	5.79	51.3	123.4
830	30.23	14.27	56	6.55	5.03	59.6	249.7
833	30.23	14.16	55	3.37	5.41	41.9	388.6
836	30.23	14.13	55	2.48	5.64	33.9	424.6
839	30.23	14.08	55	2.24	5.76	30.5	372.7
842	30.23	14.04	55	2.21	5.82	28.7	392.1
845	30.23	14.03	55	2.17	5.87	27.9	354.6

Time between recharge during sample collection: 1 min 15 secs

Sampling Personnel Signature: [signature] Date: 4/21/11

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
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
LOCATION: Marshall, NC — DATE: 4/19/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Sunny 60°

Well ID:	MW-08		Arrive at Well:	940
Screen Interval:	16 to 26	bgs	Start Time:	950
Depth to Water:	17.78	toc	Sample Time:	1007
Stickup:	4.0		Finish Sample Time:	1015
Depth of Pump Intake:	24.0	toc	Leave Well:	1027
Drawdown Set:	18.78	toc		

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)	Turbidity (NTU)
952	18.08	14.96	291	5.77	6.64	17.5	31.14
955	18.78	14.41	287	4.00	6.84	15.1	199.3
958	18.78	14.45	287	3.54	6.88	15.6	346.2
1001	18.78	14.64	287	3.28	6.89	16.0	309.9
1004	18.78	14.92	287	3.26	6.91	16.0	294.7
1007	18.78	15.09	287	3.19	6.92	16.1	267.2

Time between recharge during sample collection: 2 min

Sampling Personnel Signature: Date: 4/19/11

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
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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
LOCATION: Marshall, NC — DATE: 4/19/2011
SAMPLING PERSONNEL: E. Yurkovich — WEATHER: Sunny 65°

Well ID:	MW-09	Arrive at Well:	1237
Screen Interval:	12.4 to 22.4 bgs	Start Time:	1250
Depth to Water:	5.71 toc	Sample Time:	1312
Stickup:	2.8	Finish Sample Time:	1318
Depth of Pump Intake:	20.4 toc	Leave Well:	1329
Drawdown Set:	7.71 toc		

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)
1251	6.01	16.72	160	4.33	8.06	-22.8	27.02
1254	7.01	14.40	157	3.35	7.54	-14.0	414.5
1257	7.71	13.58	155	2.49	7.23	6.0	402.3
1300	7.71	13.84	153	1.81	6.96	14.6	308.8
1303	7.71	13.77	152	1.52	6.97	13.1	237.0
1306	7.71	14.40	152	1.32	6.89	13.6	205.7
1309	7.71	13.85	152	1.18	6.85	14.0	234.7
1312	7.71	14.39	151	1.09	6.89	14.9	223.1

Time between recharge during sample collection: 80 secs @ 3CPM

Sampling Personnel Signature: Date: 4/19/11

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
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

4949

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Surface Water Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
DATE: 4/19/2011
PROJECT NUMBER:2313.1202
WEATHER: Sunny 65°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-01

COMMENTS: Upstream surface water sample

Sampletime 1434

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
1433	21.25	92	2.67	6.94	-11.9	0.92	

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: Date: 4/19/11

Notes: °C = degrees Celsius
mS = 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: 4/19/2011
PROJECT NUMBER:2313.1202
WEATHER: Clear, Sunny 60°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-02R

COMMENTS: Downstream surface water sample, up from pond

Sample time 935

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	13.41	159	6.26	6.64	5.9	0.00	

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC	1	Appendix I Metals 6020/7000
125 mL PLASTIC		
40 mL GLASS	3	Appendix I VOCs 8260
1 L GLASS		
OTHER		

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: Date: 4/19/2011

Notes: °C = degrees Celsius
mS = 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.

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
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Surface Water Sampling Log

PROJECT NAME: Madison Co. Operating Landfill
DATE: 4/19/2011
PROJECT NUMBER:2313.1202
WEATHER: Sunny 65°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: LP-1

COMMENTS: Sample collected from leachate pond in NW Section

Sample time: 1230

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
1230	23.41	613	3.63	10.70	-28.5	84.95	

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

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: Date: 4/19/11

Notes: °C = degrees Celsius
mS = 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	Person Conducting Calibration: E. Yurkovich
Project Number: 2313	Date of Calibration: 4/19/14
Project Location: Marshall, NC	Date of Field Measurements: 4/19/2014

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	4/19/2014
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
August 2014	200601045	Initial: 0.03	Initial: 10.0	Initial: 1008
		Cal: 0.02	Cal: 10.08	Cal: 999.7
		Time: 737	Time: 738	Time: 739

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 4.70	Cal: 8.58	mmHg: 705.9	Time: 712			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.97	pHmV:	Cal: 7.00	pHmV:	Time: 719		June 2012
pH 4 S.U. *report to 0.1 S.U.*	Initial: 4.17	pHmV:	Cal: 4.00	pHmV:	Time: 724		Sept 2014
pH 10 S.U. *report to 0.1 S.U.*	Initial: 11.03	pHmV:	Cal: 10.01	pHmV:	Time: 730		Sept 2012
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 737	Meas: 7.00	Mid Day Time:	Check:	PM Time:	Check:	June 2012
Spec. Cond. 447/84/23 mS**	Initial: 458	Cal: 447	Time: 717				July 2014
QC* 84 mS	AM Time: 735	Meas: 84	Mid Day Time:	Check:	PM Time:	Check:	
ORP 200 mV	Initial: 194.8	Cal: 200.0	Time: 733				June 2014

Comments:

Signature: Date: 4/19/2014

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 location.

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Madison Co. Operating Landfill
Project Number: 2313
Project Location: Marshall, NC

Calibration Documentation
Person Conducting Calibration: E. Yurkovich
Date of Calibration: 4/20/2011
Date of Field Measurements: 4/20/2011

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	4/20/11
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
	200601045	Initial: 1.04	Initial: 9.81	Initial: 996.1
		Cal: 0.02	Cal: 10.02	Cal: 1007
		Time: 741	Time: 742	Time: 743

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 1.90	Cal: 8.34	mmHg: 705.1	Time: 718			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 7.21	pHmV:	Cal: 7.00	pHmV:	Time: 727		June 2012
pH 4 S.U. *report to 0.1 S.U.*	Initial: 3.99	pHmV:	Cal: 4.00	pHmV:	Time: 730		Sept 2011
pH 10 S.U. *report to 0.1 S.U.*	Initial: 9.98	pHmV:	Cal: 10.00	pHmV:	Time: 734		Sept 2012
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 744	Meas: 6.99	Mid Day Time:	Check:	PM Time:	Check:	June 2012
Spec. Cond. 447/84/23 mS**	Initial: 431	Cal: 447	Time: 722				July 2011
QC* 84 mS	AM Time: 741	Meas: 84	Mid Day Time:	Check:	PM Time:	Check:	May 2011
ORP 200 mV	Initial: 197.4	Cal: 200.0	Time: 739				June 2011

Comments:

Signature: Date: 4/20/11

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 location.

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

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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2225 Riverside Dr.
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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 12, 2011

Mr. Joel Lenk
Altamont Environmental
321 Haywood Street
Asheville, NC 28801

RE: Project: Madison Co. Operating LF
Pace Project No.: 9292575

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory between April 21, 2011 and April 26, 2011. 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.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Charlotte Certification IDs

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
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
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 #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9292575001	**MW-01**	Water	04/19/11 09:11	04/21/11 16:25
9292575002	**MW-02**	Water	04/21/11 09:42	04/21/11 16:25
9292575003	**MW-03**	Water	04/19/11 11:10	04/21/11 16:25
9292575004	**MW-04**	Water	04/19/11 11:50	04/21/11 16:25
9292575005	**MW-05**	Water	04/21/11 10:46	04/21/11 16:25
9292575006	**MW-06R**	Water	04/19/11 14:09	04/21/11 16:25
9292575007	**MW-07R**	Water	04/21/11 08:45	04/21/11 16:25
9292575008	**MW-08**	Water	04/19/11 10:07	04/21/11 16:25
9292575009	**MW-09**	Water	04/19/11 13:12	04/21/11 16:25
9292575010	**SW-01**	Water	04/19/11 14:34	04/21/11 16:25
9292575011	**SW-02R**	Water	04/19/11 09:35	04/21/11 16:25
9292575012	**LP-1**	Water	04/19/11 12:30	04/21/11 16:25
9292575013	**TRIP BLANK**	Water	04/19/11 00:00	04/21/11 16:25
9292575014	**LP-1**	Water	04/26/11 09:35	04/26/11 10:27

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9292575001	**MW-01**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575002	**MW-02**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575003	**MW-03**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575004	**MW-04**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575005	**MW-05**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575006	**MW-06R**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575007	**MW-07R**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575008	**MW-08**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575009	**MW-09**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575010	**SW-01**	EPA 6010	JMW	14	PASI-A

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SAMPLE ANALYTE COUNT

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575011	**SW-02R**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9292575012	**LP-1**	EPA 6010	JMW	14	PASI-A
		EPA 200.8	RJS	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		EPA 300.0	EWS	1	PASI-A
		EPA 365.1	JDA	1	PASI-A
		SM 5220D	SDH	1	PASI-A
9292575013	**TRIP BLANK**	EPA 8260	MCK	54	PASI-C
9292575014	**LP-1**	SM 5210B	JKS	1	PASI-A
		EPA 353.2	SAJ	1	PASI-A

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-01 **Lab ID: 9292575001** Collected: 04/19/11 09:11 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/11 12:00	04/29/11 07:46	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/11 12:00	04/29/11 07:46	7440-38-2	
Barium	**119**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:46	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/24/11 12:00	04/29/11 07:46	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/11 12:00	04/29/11 07:46	7440-43-9	
Chromium	**1.7J**	ug/L	5.0	0.40	1	04/24/11 12:00	04/29/11 07:46	7440-47-3	
Cobalt	**4.9J**	ug/L	5.0	0.60	1	04/24/11 12:00	04/29/11 07:46	7440-48-4	
Copper	**1.9J**	ug/L	5.0	0.30	1	04/24/11 12:00	04/29/11 07:46	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/11 12:00	04/29/11 07:46	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/11 12:00	04/29/11 07:46	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/11 12:00	04/29/11 07:46	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/24/11 12:00	04/29/11 07:46	7440-22-4	
Vanadium	**2.1J**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:46	7440-62-2	
Zinc	**32.6**	ug/L	10.0	0.40	1	04/24/11 12:00	04/29/11 07:46	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.22**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 02:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:03	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 07:44	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 07:44	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 07:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 07:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 07:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 07:44	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 07:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 07:44	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 07:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 07:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 07:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 07:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 07:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 07:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 07:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 07:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 07:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 07:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 07:44	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 07:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 07:44	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 07:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 07:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 07:44	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-01 **Lab ID: 9292575001** Collected: 04/19/11 09:11 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 07:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 07:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 07:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 07:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 07:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 07:44	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 07:44	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 07:44	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 07:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 07:44	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 07:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 07:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 07:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 07:44	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 07:44	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 07:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 07:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 07:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 07:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 07:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 07:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 07:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 07:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 07:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 07:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 07:44	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/30/11 07:44	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/30/11 07:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		04/30/11 07:44	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/11 07:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-02 **Lab ID: 9292575002** Collected: 04/21/11 09:42 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/11 12:00	04/29/11 07:50	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/11 12:00	04/29/11 07:50	7440-38-2	
Barium	**130**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:50	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/24/11 12:00	04/29/11 07:50	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/11 12:00	04/29/11 07:50	7440-43-9	
Chromium	**1.4J**	ug/L	5.0	0.40	1	04/24/11 12:00	04/29/11 07:50	7440-47-3	
Cobalt	**10.7**	ug/L	5.0	0.60	1	04/24/11 12:00	04/29/11 07:50	7440-48-4	
Copper	**1.3J**	ug/L	5.0	0.30	1	04/24/11 12:00	04/29/11 07:50	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/11 12:00	04/29/11 07:50	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/11 12:00	04/29/11 07:50	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/11 12:00	04/29/11 07:50	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/24/11 12:00	04/29/11 07:50	7440-22-4	
Vanadium	**5.1**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:50	7440-62-2	
Zinc	**39.5**	ug/L	10.0	0.40	1	04/24/11 12:00	04/29/11 07:50	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.12**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 02:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:05	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 08:09	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 08:09	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 08:09	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 08:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 08:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 08:09	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 08:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 08:09	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 08:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 08:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 08:09	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 08:09	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 08:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 08:09	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 08:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 08:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 08:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 08:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 08:09	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 08:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 08:09	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 08:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 08:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 08:09	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-02 **Lab ID: 9292575002** Collected: 04/21/11 09:42 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 08:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 08:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 08:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 08:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 08:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 08:09	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 08:09	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 08:09	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 08:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 08:09	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 08:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 08:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 08:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 08:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 08:09	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 08:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 08:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 08:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 08:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 08:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 08:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 08:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 08:09	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 08:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 08:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 08:09	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 08:09	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		04/30/11 08:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1		04/30/11 08:09	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/11 08:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-03 **Lab ID: 9292575003** Collected: 04/19/11 11:10 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/11 12:00	04/29/11 07:53	7440-36-0	
Arsenic	**2.7J**	ug/L	5.0	2.7	1	04/24/11 12:00	04/29/11 07:53	7440-38-2	
Barium	**260**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:53	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/24/11 12:00	04/29/11 07:53	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/11 12:00	04/29/11 07:53	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/24/11 12:00	04/29/11 07:53	7440-47-3	
Cobalt	**121**	ug/L	5.0	0.60	1	04/24/11 12:00	04/29/11 07:53	7440-48-4	
Copper	**1.8J**	ug/L	5.0	0.30	1	04/24/11 12:00	04/29/11 07:53	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/11 12:00	04/29/11 07:53	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/11 12:00	04/29/11 07:53	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/11 12:00	04/29/11 07:53	7782-49-2	
Silver	**0.20J**	ug/L	5.0	0.10	1	04/24/11 12:00	04/29/11 07:53	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:53	7440-62-2	
Zinc	**78.3**	ug/L	10.0	0.40	1	04/24/11 12:00	04/29/11 07:53	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.14**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 02:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:08	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 14:05	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 14:05	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 14:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 14:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 14:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 14:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 14:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 14:05	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 14:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 14:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 14:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 14:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 14:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 14:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 14:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 14:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 14:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 14:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 14:05	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 14:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 14:05	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 14:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 14:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 14:05	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-03 **Lab ID: 9292575003** Collected: 04/19/11 11:10 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 14:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 14:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 14:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 14:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 14:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 14:05	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 14:05	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 14:05	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 14:05	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 14:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 14:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 14:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 14:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 14:05	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 14:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 14:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 14:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 14:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 14:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 14:05	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 14:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 14:05	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 14:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 14:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 14:05	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 14:05	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		04/30/11 14:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		04/30/11 14:05	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/30/11 14:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-04 **Lab ID: 9292575004** Collected: 04/19/11 11:50 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/11 12:00	04/29/11 07:59	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/11 12:00	04/29/11 07:59	7440-38-2	
Barium	**132**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:59	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/24/11 12:00	04/29/11 07:59	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/11 12:00	04/29/11 07:59	7440-43-9	
Chromium	**1.1J**	ug/L	5.0	0.40	1	04/24/11 12:00	04/29/11 07:59	7440-47-3	
Cobalt	**3.3J**	ug/L	5.0	0.60	1	04/24/11 12:00	04/29/11 07:59	7440-48-4	
Copper	**0.43J**	ug/L	5.0	0.30	1	04/24/11 12:00	04/29/11 07:59	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/11 12:00	04/29/11 07:59	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/24/11 12:00	04/29/11 07:59	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/11 12:00	04/29/11 07:59	7782-49-2	
Silver	**0.16J**	ug/L	5.0	0.10	1	04/24/11 12:00	04/29/11 07:59	7440-22-4	
Vanadium	**3.2J**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 07:59	7440-62-2	
Zinc	**8.2J**	ug/L	10.0	0.40	1	04/24/11 12:00	04/29/11 07:59	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.065J**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 02:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:11	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 14:30	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 14:30	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 14:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 14:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 14:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 14:30	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 14:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 14:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 14:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 14:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 14:30	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 14:30	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 14:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 14:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 14:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 14:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 14:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 14:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 14:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 14:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 14:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 14:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 14:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 14:30	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-04 **Lab ID: 9292575004** Collected: 04/19/11 11:50 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 14:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 14:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 14:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 14:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 14:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 14:30	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 14:30	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 14:30	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 14:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 14:30	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 14:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 14:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 14:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 14:30	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 14:30	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 14:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 14:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 14:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 14:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 14:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 14:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 14:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 14:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 14:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 14:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 14:30	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/30/11 14:30	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/30/11 14:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		04/30/11 14:30	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/11 14:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-05 **Lab ID: 9292575005** Collected: 04/21/11 10:46 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/24/11 12:00	04/29/11 08:03	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/24/11 12:00	04/29/11 08:03	7440-38-2	
Barium	**135**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 08:03	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/24/11 12:00	04/29/11 08:03	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/24/11 12:00	04/29/11 08:03	7440-43-9	
Chromium	**6.2**	ug/L	5.0	0.40	1	04/24/11 12:00	04/29/11 08:03	7440-47-3	
Cobalt	**10.9**	ug/L	5.0	0.60	1	04/24/11 12:00	04/29/11 08:03	7440-48-4	
Copper	**3.8J**	ug/L	5.0	0.30	1	04/24/11 12:00	04/29/11 08:03	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/24/11 12:00	04/29/11 08:03	7439-92-1	
Nickel	**4.8J**	ug/L	5.0	1.7	1	04/24/11 12:00	04/29/11 08:03	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/24/11 12:00	04/29/11 08:03	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/24/11 12:00	04/29/11 08:03	7440-22-4	
Vanadium	**7.7**	ug/L	5.0	0.20	1	04/24/11 12:00	04/29/11 08:03	7440-62-2	
Zinc	**26.4**	ug/L	10.0	0.40	1	04/24/11 12:00	04/29/11 08:03	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:13	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 21:42	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 21:42	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 21:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 21:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 21:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 21:42	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 21:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 21:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 21:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 21:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 21:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 21:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 21:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 21:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 21:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 21:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 21:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 21:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 21:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 21:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 21:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 21:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 21:42	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-05 **Lab ID: 9292575005** Collected: 04/21/11 10:46 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 21:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 21:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 21:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 21:42	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 21:42	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 21:42	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 21:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 21:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 21:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 21:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 21:42	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 21:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 21:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 21:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 21:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 21:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 21:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 21:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 21:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 21:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 21:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 21:42	95-47-6	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/30/11 21:42	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/30/11 21:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	128	%	70-130		1		04/30/11 21:42	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/30/11 21:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-06R **Lab ID: 9292575006** Collected: 04/19/11 14:09 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:07	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:07	7440-38-2	
Barium	**594**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:07	7440-39-3	
Beryllium	**0.38J**	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:07	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:07	7440-43-9	
Chromium	**23.7**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:07	7440-47-3	
Cobalt	**58.5**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:07	7440-48-4	
Copper	**14.9**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:07	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:07	7439-92-1	
Nickel	**78.0**	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:07	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:07	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:07	7440-22-4	
Vanadium	**95.9**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:07	7440-62-2	
Zinc	**138**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:07	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.063J**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:16	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 14:56	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 14:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 14:56	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 14:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 14:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 14:56	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 14:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 14:56	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 14:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 14:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 14:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 14:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 14:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 14:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 14:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 14:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 14:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 14:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 14:56	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 14:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 14:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 14:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 14:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 14:56	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-06R **Lab ID: 9292575006** Collected: 04/19/11 14:09 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 14:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 14:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 14:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 14:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 14:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 14:56	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 14:56	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 14:56	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 14:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 14:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 14:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 14:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 14:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 14:56	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 14:56	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 14:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 14:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 14:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 14:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 14:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 14:56	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 14:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 14:56	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 14:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 14:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 14:56	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 14:56	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/30/11 14:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1		04/30/11 14:56	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/30/11 14:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-07R **Lab ID: 9292575007** Collected: 04/21/11 08:45 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:17	7440-36-0	
Arsenic	**7.1**	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:17	7440-38-2	
Barium	**336**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:17	7440-39-3	
Beryllium	**1.2**	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:17	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:17	7440-43-9	
Chromium	**33.0**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:17	7440-47-3	
Cobalt	**19.8**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:17	7440-48-4	
Copper	**8.6**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:17	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:17	7439-92-1	
Nickel	**11.0**	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:17	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:17	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:17	7440-22-4	
Vanadium	**47.6**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:17	7440-62-2	
Zinc	**95.0**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:17	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.065J**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:24	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 22:08	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 22:08	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 22:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 22:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 22:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 22:08	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 22:08	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 22:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 22:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 22:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 22:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 22:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 22:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 22:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 22:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 22:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 22:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 22:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 22:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 22:08	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-07R **Lab ID: 9292575007** Collected: 04/21/11 08:45 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 22:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 22:08	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 22:08	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 22:08	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 22:08	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 22:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 22:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 22:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 22:08	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 22:08	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 22:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 22:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 22:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 22:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 22:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 22:08	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 22:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 22:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 22:08	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 22:08	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/30/11 22:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	128	%	70-130		1		04/30/11 22:08	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/11 22:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-08 **Lab ID: 9292575008** Collected: 04/19/11 10:07 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:28	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:28	7440-38-2	
Barium	**280**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:28	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:28	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:28	7440-43-9	
Chromium	**22.2**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:28	7440-47-3	
Cobalt	**61.7**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:28	7440-48-4	
Copper	**39.2**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:28	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:28	7439-92-1	
Nickel	**44.8**	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:28	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:28	7440-22-4	
Vanadium	**110**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:28	7440-62-2	
Zinc	**150**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:28	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.081J**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:39	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:27	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 15:21	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 15:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 15:21	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 15:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 15:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 15:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 15:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 15:21	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 15:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 15:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 15:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 15:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 15:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 15:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 15:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 15:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 15:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 15:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 15:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 15:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 15:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 15:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 15:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 15:21	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-08 **Lab ID: 9292575008** Collected: 04/19/11 10:07 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 15:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 15:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 15:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 15:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 15:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 15:21	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 15:21	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 15:21	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 15:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 15:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 15:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 15:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 15:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 15:21	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 15:21	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 15:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 15:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 15:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 15:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 15:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 15:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 15:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 15:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 15:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 15:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 15:21	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 15:21	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		04/30/11 15:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1		04/30/11 15:21	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/11 15:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-09 **Lab ID: 9292575009** Collected: 04/19/11 13:12 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:32	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:32	7440-38-2	
Barium	**345**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:32	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:32	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:32	7440-43-9	
Chromium	**5.5**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:32	7440-47-3	
Cobalt	**19.8**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:32	7440-48-4	
Copper	**11.4**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:32	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:32	7439-92-1	
Nickel	**4.9J**	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:32	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:32	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:32	7440-22-4	
Vanadium	**40.9**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:32	7440-62-2	
Zinc	**74.3**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:32	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	**0.056J**	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:30	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 15:47	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 15:47	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 15:47	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 15:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 15:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 15:47	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 15:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 15:47	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 15:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 15:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 15:47	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 15:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 15:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 15:47	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 15:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 15:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 15:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 15:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 15:47	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 15:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 15:47	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 15:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 15:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 15:47	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: MW-09 **Lab ID: 9292575009** Collected: 04/19/11 13:12 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 15:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 15:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 15:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 15:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 15:47	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 15:47	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 15:47	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 15:47	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 15:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 15:47	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 15:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 15:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 15:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 15:47	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 15:47	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 15:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 15:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 15:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 15:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 15:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 15:47	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 15:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 15:47	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 15:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 15:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 15:47	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/30/11 15:47	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/30/11 15:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		04/30/11 15:47	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/30/11 15:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: SW-01 **Lab ID: 9292575010** Collected: 04/19/11 14:34 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:36	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:36	7440-38-2	
Barium	**48.4**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:36	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:36	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:36	7440-43-9	
Chromium	**0.62J**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:36	7440-47-3	
Cobalt	**1.5J**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:36	7440-48-4	
Copper	**1.5J**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:36	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:36	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:36	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:36	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:36	7440-22-4	
Vanadium	**1.1J**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:36	7440-62-2	
Zinc	**8.2J**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:36	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:32	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 16:12	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 16:12	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 16:12	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 16:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 16:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 16:12	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 16:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 16:12	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 16:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 16:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 16:12	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 16:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 16:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 16:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 16:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 16:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 16:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 16:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 16:12	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 16:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 16:12	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 16:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 16:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 16:12	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: SW-01 **Lab ID: 9292575010** Collected: 04/19/11 14:34 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 16:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 16:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 16:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 16:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 16:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 16:12	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 16:12	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 16:12	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 16:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 16:12	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 16:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 16:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 16:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 16:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 16:12	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 16:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 16:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 16:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 16:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 16:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 16:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 16:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 16:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 16:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 16:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 16:12	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/30/11 16:12	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/30/11 16:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	127	%	70-130		1		04/30/11 16:12	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/11 16:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: SW-02R **Lab ID: 9292575011** Collected: 04/19/11 09:35 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:40	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:40	7440-38-2	
Barium	**71.9**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:40	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:40	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:40	7440-43-9	
Chromium	**1.6J**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:40	7440-47-3	
Cobalt	**7.3**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:40	7440-48-4	
Copper	**1.5J**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:40	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:40	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:40	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:40	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:40	7440-22-4	
Vanadium	**6.0**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:40	7440-62-2	
Zinc	**14.9**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:40	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:35	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 16:37	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 16:37	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 16:37	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 16:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 16:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 16:37	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 16:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 16:37	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 16:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 16:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 16:37	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 16:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 16:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 16:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 16:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 16:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 16:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 16:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 16:37	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 16:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 16:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 16:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 16:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 16:37	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: SW-02R **Lab ID: 9292575011** Collected: 04/19/11 09:35 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 16:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 16:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 16:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 16:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 16:37	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 16:37	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 16:37	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 16:37	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 16:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 16:37	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 16:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 16:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 16:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 16:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 16:37	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 16:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 16:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 16:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 16:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 16:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 16:37	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 16:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 16:37	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 16:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 16:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 16:37	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 16:37	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/30/11 16:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	127	%	70-130		1		04/30/11 16:37	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/11 16:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: LP-1 **Lab ID: 9292575012** Collected: 04/19/11 12:30 Received: 04/21/11 16:25 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	04/29/11 12:30	05/02/11 04:44	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/29/11 12:30	05/02/11 04:44	7440-38-2	
Barium	**88.2**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:44	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/29/11 12:30	05/02/11 04:44	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/11 12:30	05/02/11 04:44	7440-43-9	
Chromium	**1.0J**	ug/L	5.0	0.40	1	04/29/11 12:30	05/02/11 04:44	7440-47-3	
Cobalt	**8.1**	ug/L	5.0	0.60	1	04/29/11 12:30	05/02/11 04:44	7440-48-4	
Copper	**2.2J**	ug/L	5.0	0.30	1	04/29/11 12:30	05/02/11 04:44	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/29/11 12:30	05/02/11 04:44	7439-92-1	
Nickel	**6.7**	ug/L	5.0	1.7	1	04/29/11 12:30	05/02/11 04:44	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/29/11 12:30	05/02/11 04:44	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/29/11 12:30	05/02/11 04:44	7440-22-4	
Vanadium	**5.6**	ug/L	5.0	0.20	1	04/29/11 12:30	05/02/11 04:44	7440-62-2	
Zinc	**16.4**	ug/L	10.0	0.40	1	04/29/11 12:30	05/02/11 04:44	7440-66-6	
200.8 MET ICPMS	Analytical Method: EPA 200.8								
Thallium	ND	ug/L	0.10	0.050	1	04/25/11 18:30	04/29/11 03:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/03/11 17:45	05/05/11 13:37	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**3.4J**	ug/L	25.0	2.2	1		04/30/11 17:03	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 17:03	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 17:03	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 17:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 17:03	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 17:03	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 17:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 17:03	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 17:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 17:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 17:03	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 17:03	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 17:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 17:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 17:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 17:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 17:03	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 17:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 17:03	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 17:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 17:03	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 17:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 17:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 17:03	75-35-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: LP-1 **Lab ID: 9292575012** Collected: 04/19/11 12:30 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 17:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 17:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 17:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 17:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 17:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 17:03	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 17:03	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 17:03	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 17:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 17:03	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 17:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 17:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 17:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 17:03	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 17:03	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 17:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 17:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 17:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 17:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 17:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 17:03	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 17:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 17:03	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 17:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 17:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 17:03	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/30/11 17:03	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/30/11 17:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	127	%	70-130		1		04/30/11 17:03	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/30/11 17:03	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**76.7**	mg/L	25.0	25.0	5		05/04/11 18:43	14808-79-8	
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**0.31**	mg/L	0.050	0.050	1		05/03/11 09:19	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**151**	mg/L	25.0	25.0	1		05/03/11 14:52		

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: TRIP BLANK **Lab ID: 9292575013** Collected: 04/19/11 00:00 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/30/11 17:28	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/30/11 17:28	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/30/11 17:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/30/11 17:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/30/11 17:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/30/11 17:28	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/30/11 17:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/30/11 17:28	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/30/11 17:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/30/11 17:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/30/11 17:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/30/11 17:28	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/30/11 17:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/30/11 17:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/30/11 17:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/30/11 17:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/30/11 17:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/30/11 17:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/30/11 17:28	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/30/11 17:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/30/11 17:28	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/11 17:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/30/11 17:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/30/11 17:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/30/11 17:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/30/11 17:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/30/11 17:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/30/11 17:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/30/11 17:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/11 17:28	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/30/11 17:28	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/30/11 17:28	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/30/11 17:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/30/11 17:28	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/30/11 17:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/30/11 17:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/30/11 17:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/30/11 17:28	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		04/30/11 17:28	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		04/30/11 17:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/30/11 17:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/30/11 17:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/30/11 17:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/30/11 17:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/30/11 17:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/30/11 17:28	108-05-4	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: TRIP BLANK **Lab ID: 9292575013** Collected: 04/19/11 00:00 Received: 04/21/11 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/30/11 17:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/30/11 17:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/30/11 17:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/30/11 17:28	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/30/11 17:28	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/30/11 17:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	127	%	70-130		1		04/30/11 17:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/30/11 17:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

Sample: LP-1 **Lab ID: 9292575014** Collected: 04/26/11 09:35 Received: 04/26/11 10:27 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**52.9**	mg/L	2.0	2.0	1	04/26/11 13:45	05/01/11 00:00		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	mg/L	0.10	0.10	1		04/27/11 16:20		

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: MPRP/8239 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9292575001, 9292575002, 9292575003, 9292575004, 9292575005

METHOD BLANK: 595585 Matrix: Water
Associated Lab Samples: 9292575001, 9292575002, 9292575003, 9292575004, 9292575005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	04/29/11 06:08	
Arsenic	ug/L	ND	5.0	04/29/11 06:08	
Barium	ug/L	0.82J	5.0	04/29/11 06:08	
Beryllium	ug/L	ND	1.0	04/29/11 06:08	
Cadmium	ug/L	ND	1.0	04/29/11 06:08	
Chromium	ug/L	ND	5.0	04/29/11 06:08	
Cobalt	ug/L	3.0J	5.0	04/29/11 06:08	
Copper	ug/L	ND	5.0	04/29/11 06:08	
Lead	ug/L	ND	5.0	04/29/11 06:08	
Nickel	ug/L	ND	5.0	04/29/11 06:08	
Selenium	ug/L	ND	10.0	04/29/11 06:08	
Silver	ug/L	ND	5.0	04/29/11 06:08	
Vanadium	ug/L	ND	5.0	04/29/11 06:08	
Zinc	ug/L	4.0J	10.0	04/29/11 06:08	

LABORATORY CONTROL SAMPLE: 595586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	492	98	80-120	
Arsenic	ug/L	500	501	100	80-120	
Barium	ug/L	500	502	100	80-120	
Beryllium	ug/L	500	507	101	80-120	
Cadmium	ug/L	500	504	101	80-120	
Chromium	ug/L	500	505	101	80-120	
Cobalt	ug/L	500	507	101	80-120	
Copper	ug/L	500	497	99	80-120	
Lead	ug/L	500	500	100	80-120	
Nickel	ug/L	500	499	100	80-120	
Selenium	ug/L	500	493	99	80-120	
Silver	ug/L	250	256	102	80-120	
Vanadium	ug/L	500	500	100	80-120	
Zinc	ug/L	500	502	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 595587 595588

Parameter	Units	9292154001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	487	496	97	99	75-125	2	25	
Arsenic	ug/L	ND	500	500	502	513	100	103	75-125	2	25	
Barium	ug/L	35.9J	500	500	529	542	99	101	75-125	2	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 595587 595588

Parameter	Units	9292154001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Beryllium	ug/L	ND	500	500	505	516	101	103	75-125	2	25	
Cadmium	ug/L	ND	500	500	497	505	99	101	75-125	2	25	
Chromium	ug/L	3.2J	500	500	504	512	100	102	75-125	2	25	
Cobalt	ug/L	0.81J	500	500	503	504	100	101	75-125	0	25	
Copper	ug/L	2.9J	500	500	503	515	100	102	75-125	2	25	
Lead	ug/L	ND	500	500	485	495	97	99	75-125	2	25	
Nickel	ug/L	ND	500	500	492	502	98	100	75-125	2	25	
Selenium	ug/L	ND	500	500	489	506	98	101	75-125	3	25	
Silver	ug/L	0.22J	250	250	255	258	102	103	75-125	1	25	
Vanadium	ug/L	6.0J	500	500	504	512	100	101	75-125	2	25	
Zinc	ug/L	11.3	500	500	517	524	101	103	75-125	1	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: MPRP/8281 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012

METHOD BLANK: 598452 Matrix: Water
Associated Lab Samples: 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	05/02/11 03:49	
Arsenic	ug/L	ND	5.0	05/02/11 03:49	
Barium	ug/L	ND	5.0	05/02/11 03:49	
Beryllium	ug/L	ND	1.0	05/02/11 03:49	
Cadmium	ug/L	ND	1.0	05/02/11 03:49	
Chromium	ug/L	ND	5.0	05/02/11 03:49	
Cobalt	ug/L	ND	5.0	05/02/11 03:49	
Copper	ug/L	0.67J	5.0	05/02/11 03:49	
Lead	ug/L	ND	5.0	05/02/11 03:49	
Nickel	ug/L	ND	5.0	05/02/11 03:49	
Selenium	ug/L	ND	10.0	05/02/11 03:49	
Silver	ug/L	ND	5.0	05/02/11 03:49	
Vanadium	ug/L	ND	5.0	05/02/11 03:49	
Zinc	ug/L	3.7J	10.0	05/02/11 03:49	

LABORATORY CONTROL SAMPLE: 598453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	497	99	80-120	
Arsenic	ug/L	500	506	101	80-120	
Barium	ug/L	500	508	102	80-120	
Beryllium	ug/L	500	501	100	80-120	
Cadmium	ug/L	500	499	100	80-120	
Chromium	ug/L	500	492	98	80-120	
Cobalt	ug/L	500	504	101	80-120	
Copper	ug/L	500	513	103	80-120	
Lead	ug/L	500	505	101	80-120	
Nickel	ug/L	500	505	101	80-120	
Selenium	ug/L	500	500	100	80-120	
Silver	ug/L	250	248	99	80-120	
Vanadium	ug/L	500	504	101	80-120	
Zinc	ug/L	500	495	99	80-120	

MATRIX SPIKE SAMPLE: 598454

Parameter	Units	9292575006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	411	82	75-125	
Arsenic	ug/L	ND	500	501	100	75-125	
Barium	ug/L	594	500	1100	102	75-125	
Beryllium	ug/L	0.38J	500	484	97	75-125	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

MATRIX SPIKE SAMPLE: 598454

Parameter	Units	9292575006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	ND	500	463	93	75-125	
Chromium	ug/L	23.7	500	492	94	75-125	
Cobalt	ug/L	58.5	500	521	92	75-125	
Copper	ug/L	14.9	500	533	104	75-125	
Lead	ug/L	ND	500	443	89	75-125	
Nickel	ug/L	78.0	500	553	95	75-125	
Selenium	ug/L	ND	500	503	101	75-125	
Silver	ug/L	ND	250	244	98	75-125	
Vanadium	ug/L	95.9	500	576	96	75-125	
Zinc	ug/L	138	500	622	97	75-125	

SAMPLE DUPLICATE: 598455

Parameter	Units	9292575007 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	7.1	9.0	23	25	
Barium	ug/L	336	340	1	25	
Beryllium	ug/L	1.2	1.2	1	25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	33.0	33.0	0	25	
Cobalt	ug/L	19.8	19.7	1	25	
Copper	ug/L	8.6	8.5	1	25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	11.0	10.4	6	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Vanadium	ug/L	47.6	47.1	1	25	
Zinc	ug/L	95.0	96.0	1	25	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: ICPM/25732 — Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 — Analysis Description: 200.8 MET
Associated Lab Samples: 9292575001, 9292575002, 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012

METHOD BLANK: 964954 — Matrix: Water
Associated Lab Samples: 9292575001, 9292575002, 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.10	04/29/11 02:50	

LABORATORY CONTROL SAMPLE: 964955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	80.8	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 964956 964957

Parameter	Units	9292546001 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	82.3	82.2	103	103	70-130	.2	20	

MATRIX SPIKE SAMPLE: 964958

Parameter	Units	9292575010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	84.3	105	70-130	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: MERP/3454 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9292575001, 9292575002, 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012

METHOD BLANK: 599992 Matrix: Water
Associated Lab Samples: 9292575001, 9292575002, 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/05/11 12:17	

LABORATORY CONTROL SAMPLE: 599993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 599994 599995

Parameter	Units	9292563001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.9	1.9	77	77	75-125	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 599996 599997

Parameter	Units	9292563002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.4	1.3	57	52	75-125	10	25	M0

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: MSV/15020
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9292575001, 9292575002

METHOD BLANK: 598697
Matrix: Water
Associated Lab Samples: 9292575001, 9292575002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/30/11 02:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/30/11 02:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/30/11 02:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/30/11 02:39	
1,1-Dichloroethane	ug/L	ND	1.0	04/30/11 02:39	
1,1-Dichloroethene	ug/L	ND	1.0	04/30/11 02:39	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/30/11 02:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/30/11 02:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/30/11 02:39	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/30/11 02:39	
1,2-Dichloroethane	ug/L	ND	1.0	04/30/11 02:39	
1,2-Dichloropropane	ug/L	ND	1.0	04/30/11 02:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/30/11 02:39	
2-Butanone (MEK)	ug/L	ND	5.0	04/30/11 02:39	
2-Hexanone	ug/L	ND	5.0	04/30/11 02:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/30/11 02:39	
Acetone	ug/L	ND	25.0	04/30/11 02:39	
Acrylonitrile	ug/L	ND	10.0	04/30/11 02:39	
Benzene	ug/L	ND	1.0	04/30/11 02:39	
Bromochloromethane	ug/L	ND	1.0	04/30/11 02:39	
Bromodichloromethane	ug/L	ND	1.0	04/30/11 02:39	
Bromoform	ug/L	ND	1.0	04/30/11 02:39	
Bromomethane	ug/L	ND	2.0	04/30/11 02:39	
Carbon disulfide	ug/L	ND	2.0	04/30/11 02:39	
Carbon tetrachloride	ug/L	ND	1.0	04/30/11 02:39	
Chlorobenzene	ug/L	ND	1.0	04/30/11 02:39	
Chloroethane	ug/L	ND	1.0	04/30/11 02:39	
Chloroform	ug/L	ND	1.0	04/30/11 02:39	
Chloromethane	ug/L	ND	1.0	04/30/11 02:39	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/30/11 02:39	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/30/11 02:39	
Dibromochloromethane	ug/L	ND	1.0	04/30/11 02:39	
Dibromomethane	ug/L	ND	1.0	04/30/11 02:39	
Ethylbenzene	ug/L	ND	1.0	04/30/11 02:39	
Iodomethane	ug/L	ND	5.0	04/30/11 02:39	
m&p-Xylene	ug/L	ND	2.0	04/30/11 02:39	
Methylene Chloride	ug/L	ND	1.0	04/30/11 02:39	
o-Xylene	ug/L	ND	1.0	04/30/11 02:39	
Styrene	ug/L	ND	1.0	04/30/11 02:39	
Tetrachloroethene	ug/L	ND	1.0	04/30/11 02:39	
Tetrahydrofuran	ug/L	ND	10.0	04/30/11 02:39	
Toluene	ug/L	ND	1.0	04/30/11 02:39	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/30/11 02:39	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

METHOD BLANK: 598697 Matrix: Water

Associated Lab Samples: 9292575001, 9292575002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/30/11 02:39	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/30/11 02:39	
Trichloroethene	ug/L	ND	1.0	04/30/11 02:39	
Trichlorofluoromethane	ug/L	ND	1.0	04/30/11 02:39	
Vinyl acetate	ug/L	ND	2.0	04/30/11 02:39	
Vinyl chloride	ug/L	ND	1.0	04/30/11 02:39	
Xylene (Total)	ug/L	ND	2.0	04/30/11 02:39	
1,2-Dichloroethane-d4 (S)	%	118	70-130	04/30/11 02:39	
4-Bromofluorobenzene (S)	%	94	70-130	04/30/11 02:39	
Dibromofluoromethane (S)	%	118	70-130	04/30/11 02:39	
Toluene-d8 (S)	%	101	70-130	04/30/11 02:39	

LABORATORY CONTROL SAMPLE: 598698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.2	106	70-130	
1,1,1-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.6	105	70-130	
1,1,2-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethene	ug/L	50	55.7	111	70-132	
1,2,3-Trichloropropane	ug/L	50	50.5	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	54.8	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.2	108	70-130	
1,2-Dichlorobenzene	ug/L	50	52.2	104	70-130	
1,2-Dichloroethane	ug/L	50	50.5	101	70-130	
1,2-Dichloropropane	ug/L	50	50.5	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.7	99	70-130	
2-Butanone (MEK)	ug/L	100	102	102	70-145	
2-Hexanone	ug/L	100	101	101	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	70-140	
Acetone	ug/L	100	110	110	50-175	
Acrylonitrile	ug/L	250	262	105	70-143	
Benzene	ug/L	50	50.8	102	70-130	
Bromochloromethane	ug/L	50	51.0	102	70-130	
Bromodichloromethane	ug/L	50	52.5	105	70-130	
Bromoform	ug/L	50	57.0	114	70-130	
Bromomethane	ug/L	50	48.4	97	54-130	
Carbon disulfide	ug/L	50	51.1	102	70-131	
Carbon tetrachloride	ug/L	50	48.3	97	70-132	
Chlorobenzene	ug/L	50	50.0	100	70-130	
Chloroethane	ug/L	50	49.6	99	64-134	
Chloroform	ug/L	50	51.5	103	70-130	
Chloromethane	ug/L	50	61.1	122	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	70-131	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

LABORATORY CONTROL SAMPLE: 598698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	52.5	105	70-130	
Dibromomethane	ug/L	50	51.8	104	70-131	
Ethylbenzene	ug/L	50	54.6	109	70-130	
Iodomethane	ug/L	100	109	109	49-180	
m&p-Xylene	ug/L	100	114	114	70-130	
Methylene Chloride	ug/L	50	55.2	110	63-130	
o-Xylene	ug/L	50	52.9	106	70-130	
Styrene	ug/L	50	52.7	105	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Tetrahydrofuran	ug/L	500	544	109	70-130	
Toluene	ug/L	50	51.5	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.5	97	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.2	110	70-141	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	62-133	
Vinyl acetate	ug/L	100	104	104	66-157	
Vinyl chloride	ug/L	50	53.6	107	69-130	
Xylene (Total)	ug/L	150	167	111	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 598699 598700

Parameter	Units	9292579007 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	65.7	65.1	131	130	70-166	1	30	
Benzene	ug/L	ND	50	50	55.3	55.3	111	111	70-148	0	30	
Chlorobenzene	ug/L	ND	50	50	56.4	55.0	113	110	70-146	2	30	
Toluene	ug/L	ND	50	50	56.5	56.7	113	113	70-155	0	30	
Trichloroethene	ug/L	ND	50	50	50.2	49.7	100	99	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						116	117	70-130			
4-Bromofluorobenzene (S)	%						92	89	70-130			
Dibromofluoromethane (S)	%						113	115	70-130			
Toluene-d8 (S)	%						94	93	70-130			

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: MSV/15021 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012, 9292575013

METHOD BLANK: 598725 Matrix: Water
Associated Lab Samples: 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012, 9292575013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/30/11 13:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/30/11 13:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/30/11 13:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/30/11 13:39	
1,1-Dichloroethane	ug/L	ND	1.0	04/30/11 13:39	
1,1-Dichloroethene	ug/L	ND	1.0	04/30/11 13:39	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/30/11 13:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/30/11 13:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/30/11 13:39	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/30/11 13:39	
1,2-Dichloroethane	ug/L	ND	1.0	04/30/11 13:39	
1,2-Dichloropropane	ug/L	ND	1.0	04/30/11 13:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/30/11 13:39	
2-Butanone (MEK)	ug/L	ND	5.0	04/30/11 13:39	
2-Hexanone	ug/L	ND	5.0	04/30/11 13:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/30/11 13:39	
Acetone	ug/L	ND	25.0	04/30/11 13:39	
Acrylonitrile	ug/L	ND	10.0	04/30/11 13:39	
Benzene	ug/L	ND	1.0	04/30/11 13:39	
Bromochloromethane	ug/L	ND	1.0	04/30/11 13:39	
Bromodichloromethane	ug/L	ND	1.0	04/30/11 13:39	
Bromoform	ug/L	ND	1.0	04/30/11 13:39	
Bromomethane	ug/L	ND	2.0	04/30/11 13:39	
Carbon disulfide	ug/L	ND	2.0	04/30/11 13:39	
Carbon tetrachloride	ug/L	ND	1.0	04/30/11 13:39	
Chlorobenzene	ug/L	ND	1.0	04/30/11 13:39	
Chloroethane	ug/L	ND	1.0	04/30/11 13:39	
Chloroform	ug/L	ND	1.0	04/30/11 13:39	
Chloromethane	ug/L	ND	1.0	04/30/11 13:39	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/30/11 13:39	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/30/11 13:39	
Dibromochloromethane	ug/L	ND	1.0	04/30/11 13:39	
Dibromomethane	ug/L	ND	1.0	04/30/11 13:39	
Ethylbenzene	ug/L	ND	1.0	04/30/11 13:39	
Iodomethane	ug/L	ND	5.0	04/30/11 13:39	
m&p-Xylene	ug/L	ND	2.0	04/30/11 13:39	
Methylene Chloride	ug/L	ND	1.0	04/30/11 13:39	
o-Xylene	ug/L	ND	1.0	04/30/11 13:39	
Styrene	ug/L	ND	1.0	04/30/11 13:39	
Tetrachloroethene	ug/L	ND	1.0	04/30/11 13:39	
Tetrahydrofuran	ug/L	ND	10.0	04/30/11 13:39	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

METHOD BLANK: 598725 Matrix: Water

Associated Lab Samples: 9292575003, 9292575004, 9292575005, 9292575006, 9292575007, 9292575008, 9292575009, 9292575010, 9292575011, 9292575012, 9292575013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	1.0	04/30/11 13:39	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/30/11 13:39	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/30/11 13:39	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/30/11 13:39	
Trichloroethene	ug/L	ND	1.0	04/30/11 13:39	
Trichlorofluoromethane	ug/L	ND	1.0	04/30/11 13:39	
Vinyl acetate	ug/L	ND	2.0	04/30/11 13:39	
Vinyl chloride	ug/L	ND	1.0	04/30/11 13:39	
Xylene (Total)	ug/L	ND	2.0	04/30/11 13:39	
1,2-Dichloroethane-d4 (S)	%	118	70-130	04/30/11 13:39	
4-Bromofluorobenzene (S)	%	94	70-130	04/30/11 13:39	
Dibromofluoromethane (S)	%	120	70-130	04/30/11 13:39	
Toluene-d8 (S)	%	100	70-130	04/30/11 13:39	

LABORATORY CONTROL SAMPLE: 598726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.8	106	70-130	
1,1,1-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.8	104	70-130	
1,1,2-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethane	ug/L	50	52.7	105	70-130	
1,1-Dichloroethene	ug/L	50	55.5	111	70-132	
1,2,3-Trichloropropane	ug/L	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	54.4	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	51.0	102	70-130	
1,2-Dichloropropane	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.8	100	70-130	
2-Butanone (MEK)	ug/L	100	105	105	70-145	
2-Hexanone	ug/L	100	98.2	98	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.5	98	70-140	
Acetone	ug/L	100	111	111	50-175	
Acrylonitrile	ug/L	250	261	104	70-143	
Benzene	ug/L	50	50.2	100	70-130	
Bromochloromethane	ug/L	50	50.4	101	70-130	
Bromodichloromethane	ug/L	50	52.8	106	70-130	
Bromoform	ug/L	50	56.2	112	70-130	
Bromomethane	ug/L	50	44.2	88	54-130	
Carbon disulfide	ug/L	50	51.3	103	70-131	
Carbon tetrachloride	ug/L	50	47.8	96	70-132	
Chlorobenzene	ug/L	50	49.4	99	70-130	
Chloroethane	ug/L	50	47.8	96	64-134	

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(336)623-8921

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

QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

LABORATORY CONTROL SAMPLE: 598726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	50	51.6	103	70-130	
Chloromethane	ug/L	50	59.5	119	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.8	110	70-131	
cis-1,3-Dichloropropene	ug/L	50	49.8	100	70-130	
Dibromochloromethane	ug/L	50	52.0	104	70-130	
Dibromomethane	ug/L	50	51.0	102	70-131	
Ethylbenzene	ug/L	50	54.4	109	70-130	
Iodomethane	ug/L	100	107	107	49-180	
m&p-Xylene	ug/L	100	114	114	70-130	
Methylene Chloride	ug/L	50	56.6	113	63-130	
o-Xylene	ug/L	50	52.7	105	70-130	
Styrene	ug/L	50	52.8	106	70-130	
Tetrachloroethene	ug/L	50	51.1	102	70-130	
Tetrahydrofuran	ug/L	500	530	106	70-130	
Toluene	ug/L	50	51.1	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.0	100	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	47.5	95	70-141	
Trichloroethene	ug/L	50	50.7	101	70-130	
Trichlorofluoromethane	ug/L	50	52.0	104	62-133	
Vinyl acetate	ug/L	100	109	109	66-157	
Vinyl chloride	ug/L	50	53.2	106	69-130	
Xylene (Total)	ug/L	150	166	111	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 598727 598728

Parameter	Units	9292575010 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	67.9	65.8	136	132	70-166	3	30	
Benzene	ug/L	ND	50	50	55.6	54.9	111	110	70-148	1	30	
Chlorobenzene	ug/L	ND	50	50	55.7	55.5	111	111	70-146	0	30	
Toluene	ug/L	ND	50	50	57.2	56.1	114	112	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	50.1	48.3	100	97	69-151	4	30	
1,2-Dichloroethane-d4 (S)	%						119	116	70-130			
4-Bromofluorobenzene (S)	%						90	90	70-130			
Dibromofluoromethane (S)	%						115	115	70-130			
Toluene-d8 (S)	%						95	94	70-130			

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: WET/16164
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 9292575014

METHOD BLANK: 596472
Matrix: Water
Associated Lab Samples: 9292575014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	05/01/11 00:00	

LABORATORY CONTROL SAMPLE: 596473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	184	93	84-115	

SAMPLE DUPLICATE: 596474

Parameter	Units	9292668001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	6.7	7.0	4	20	B2

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: WETA/9614
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 9292575012

METHOD BLANK: 599443
Matrix: Water
Associated Lab Samples: 9292575012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	05/04/11 14:06	

LABORATORY CONTROL SAMPLE: 599444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.1	95	90-110	

MATRIX SPIKE SAMPLE: 599445

Parameter	Units	9292587009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	17.7	88	90-110	M1

MATRIX SPIKE SAMPLE: 599447

Parameter	Units	9292484002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	742	20	727	-75	90-110	M6

SAMPLE DUPLICATE: 599446

Parameter	Units	9292587009 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 599448

Parameter	Units	9292484002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	742	700	6	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: WETA/9585
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9292575014

METHOD BLANK: 597179
Matrix: Water
Associated Lab Samples: 9292575014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	04/27/11 16:11	

LABORATORY CONTROL SAMPLE: 597180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 597181

Parameter	Units	9292743002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	4.8	5	9.7	98	90-110	

SAMPLE DUPLICATE: 597182

Parameter	Units	9292575014 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: WETA/9611
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Phosphorus, Total
Associated Lab Samples: 9292575012

METHOD BLANK: 599347
Matrix: Water
Associated Lab Samples: 9292575012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	05/03/11 09:14	

LABORATORY CONTROL SAMPLE: 599348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE SAMPLE: 599349

Parameter	Units	9292497001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	3.5	2.5	6.1	101	90-110	

MATRIX SPIKE SAMPLE: 599351

Parameter	Units	9292824006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.21	2.5	2.8	102	90-110	

SAMPLE DUPLICATE: 599350

Parameter	Units	9292536006 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.19	0.18	6	20	

SAMPLE DUPLICATE: 599352

Parameter	Units	9292824007 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.92	0.93	0	20	

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QUALITY CONTROL DATA

Project: Madison Co. Operating LF
Pace Project No.: 9292575

QC Batch: WETA/9624
QC Batch Method: SM 5220D
Analysis Method: SM 5220D
Analysis Description: 5220D COD
Associated Lab Samples: 9292575012

METHOD BLANK: 599719
Matrix: Water
Associated Lab Samples: 9292575012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	05/03/11 14:52	

LABORATORY CONTROL SAMPLE: 599720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	725	97	90-110	

MATRIX SPIKE SAMPLE: 599722

Parameter	Units	9292416018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	149000 ug/L	750	964	109	75-125	

MATRIX SPIKE SAMPLE: 599724

Parameter	Units	9292882001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	253	750	863	81	75-125	

SAMPLE DUPLICATE: 599721

Parameter	Units	9292416018 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	149000 ug/L	153	3	20	

SAMPLE DUPLICATE: 599723

Parameter	Units	9292529001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	83.0	86.0	4	20	

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QUALIFIERS

Project: Madison Co. Operating LF
Pace Project No.: 9292575

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.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

LABORATORIES

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

ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

1474822

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood St.
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: 2313.1002

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager:
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 8260; Appendix I Metals

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED 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 8260	Appendix I Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9292575
1	MW-01	WT	G			4/19/11	911	11	4			X	X						X	X		-001
2	MW-02	WT	G			4/21/11	942	12	4			X	X						X	X		-002
3	MW-03	WT	G			4/19/11	1110	16	4			X	X						X	X		-003
4	MW-04	WT	G			4/19/11	1150	17	4			X	X						X	X		-004
5	MW-05	WT	G			4/21/11	1046	14	4			X	X						X	X		-005
6	MW-06R	WT	G			4/19/11	1409	13	4			X	X						X	X		-006
7	MW-07R	WT	G			4/21/11	845	14	4			X	X						X	X		-007
8	MW-08	WT	G			4/19/11	1007	15	4			X	X						X	X		-008
9	MW-09	WT	G			4/19/11	1312	14	4			X	X						X	X		-009
10	SW-01	WT	G			4/19/11	1434	21	4			X	X						X	X		-010
11	SW-02R	WT	G			4/19/11	935	13	4			X	X						X	X		-011
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- Include MDL and Qualifiers if applicable	Evan Yurovich / Altamont	4/21/11	1625	[signature]	4/21/11	1625	3.5	Y	N	Y
- Include Tetrahydrofuran w/ VOCs										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurovich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/21/11

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

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

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1474822

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood St. Asheville NC 28801
Email To: JLenk@altamontenvironmental.com
Phone: 828-284-3350 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:
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 8260; Appendix I Metals

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Appendix I VOCs 8260	Appendix I Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9292575
1	MW-01	WT	G			4/19/11	911	11	4			X	X						X	X		-001
2	MW-02	WT	G			4/21/11	942	12	4			X	X						X	X		-002
3	MW-03	WT	G			4/19/11	1110	16	4			X	X						X	X		-003
4	MW-04	WT	G			4/19/11	1150	17	4			X	X						X	X		-004
5	MW-05	WT	G			4/21/11	1046	14	4			X	X						X	X		-005
6	MW-06R	WT	G			4/19/11	1409	13	4			X	X						X	X		-006
7	MW-07R	WT	G			4/21/11	845	14	4			X	X						X	X		-007
8	MW-08	WT	G			4/19/11	1007	15	4			X	X						X	X		-008
9	MW-09	WT	G			4/19/11	1312	14	4			X	X						X	X		-009
10	SW-01	WT	G			4/19/11	1434	21	4			X	X						X	X		-010
11	SW-02R	WT	G			4/19/11	935	13	4			X	X						X	X		-011
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Include MDL and Qualifiers if applicable	Evan Yurkovich / Altamont	4/21/11	1625	[signature]	4/21/11	1625	3.5	Y	N	Y
Include Tetrahydrofuran w/ VOCs										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/21/11

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

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

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1474826

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:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Appendix I VOCs 8260	Appendix I Metals	BOD	COD	Total Phosphorus	Nitrate	Sulfate	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9292575
1	LP-1	WT	G			4/19/11	1230	23	8	X	X	X	X					X	X	X	X	X	X	X		-012
2	TRIP BLANK LAB →								2				X					X								-013
3																										
4																										
5																										
6																										
7																										
8																										
9																										
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11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Evan Yurexovich / Altamont	4/21/11	1625	[signature]	4/21/11	1625	5.5	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurexovich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/21/11

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 # 9292575

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 -80844039 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.5 C

Corrected Cooler Temp.: 3.5 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: DW 4/21/11

				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. BOD + Nitrate out of hold
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	DW
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: Altamont Joel Lenk Date/Time: 4/21/11 1700

Comments/ Resolution: Called + left message for Joel Lenk about BOD + nitrate out of hold. Client will resample

SCURF Review: LP **Date:** 4/26/11 **SRF Review:** LP **Date:** 4/26/11

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)

Pace Analytical®
www.pacelabs.com

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

1447155

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood St 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:
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	COLLECTED Composite Start Time	COLLECTED Composite End/Grab Date	COLLECTED Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BOD	Nitrate	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. (9292575)
1	LP-1	WT	G			4/26/11	935		2	X								X	X		92925750141
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Parker Brooks / Altamont	4/26/11	1027	[signature]	4/26/11	10:27	1.8	Y	—	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Brooks
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/26/11

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 # 9292575

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 80344039~~ **Type of Ice:** ~~Wet~~ Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add (Subtract) 0.5 C

Corrected Cooler Temp.: 1.8 C **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: 4/26/11

Temp should be above freezing to 6°C

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/NOx
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.
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: _____

SCURF Review: [signature] Date: 4/26/11 **SRF Review:** [signature] Date: 4/26/11

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)