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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Altamont Environmental, Inc.

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

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

E-mail: mvandussen@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Madison County Closed Solid Waste Facility	389 Long Branch Road Marshall, NC 28753	58-02	.0500	April 20 & 21, 2010

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Joel D. Lenk, PG — Project Geologist — (828) 281-3350

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

Signature — 7/19/10 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

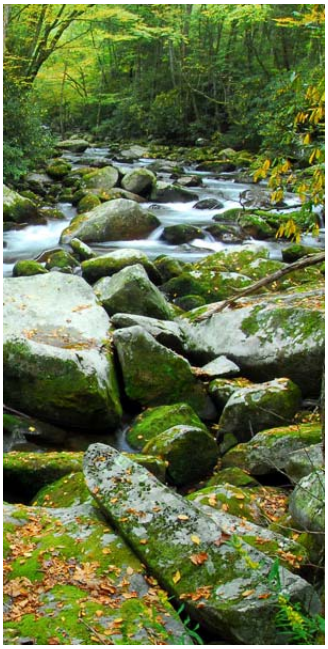
231 HAYWOOD STREET, ASHEVILLE, NC 28801

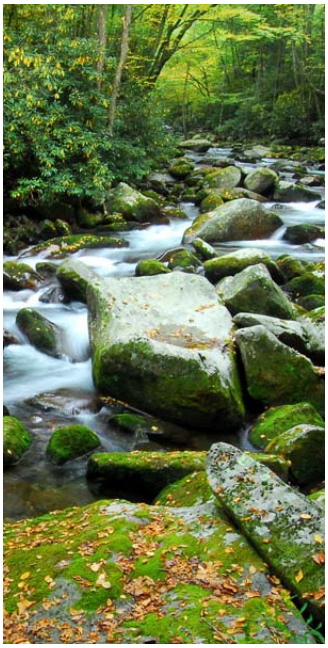
Facility Representative Address

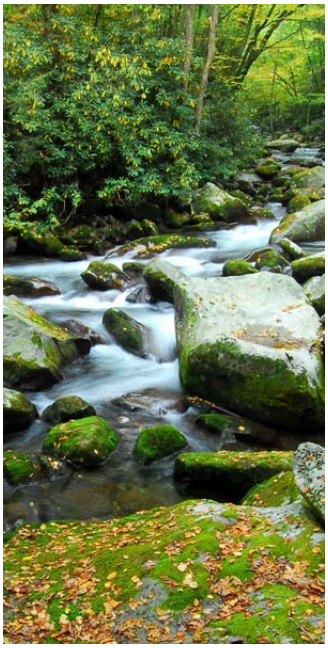
NC P.G. # 2044

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

Revised 6/2009







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

Spring 2010 Semiannual Water Quality Monitoring Report

Madison County Closed Solid Waste Facility

Madison County, North Carolina Permit #58-02

July 19, 2010

Prepared for
Madison County, North Carolina

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

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Joel Lenk, P.G.
Project Geologist

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1.0 Introduction

The Madison County Solid Waste Department maintains a closed municipal solid waste landfill (Closed Landfill) located near the intersection of US Highway25/70 Bypass and Long Branch Road (State Route 1582) in Madison County, North Carolina (Figure 1). The permit for the landfill requires semiannual monitoring of groundwater and surface water quality. This report describes the first groundwater and surface water quality sampling event conducted in 2010. This report is being submitted in accordance with monitoring requirements for closed landfills as stipulated in the North Carolina Department of Environment and Natural Resources (DENR) Division of Waste Management (DWM) Permit No. 58-02 issued to the Madison County Solid Waste Department.

This semiannual report presents analytical results for and provides an evaluation of groundwater and surface water quality for the Madison County Closed Landfill (Closed Landfill). Section 4 also contains a discussion of site hydrogeology, as well as activities conducted by Madison County in response to an impacted domestic well and associated groundwater samples discovered in the spring of 2009 (initially reported in the *Spring 2009 Semiannual Water Quality Monitoring Report*).

Madison County and the DWM are currently developing a plan of action that will upgrade the groundwater monitoring network at the landfill and is aimed at determining whether the source of the impact to the domestic well is the closed landfill. The result of the plan and upgrades will help Madison County and the DWM continue to protect the health and safety of the public and the environment.

2.0 Methods

Closed Landfill monitoring wells (5802-MW-01-OLD and 5802-MW-02-OLD), the background spring (5802-BG-SPRING-OLD), and surface water sample locations (5802-SW-01-OLD and 5802-SW-02-OLD) were sampled by Altamont Environmental, Inc. (Altamont) personnel on April 22, 2010. In addition, two domestic drinking water wells (5802-DW-01-EDWARDS and 5802-DW-02-EDWARDS) were sampled on April 22, 2010 (Table 1). Approximate sample locations are depicted on Figure 2.

The water sample collected from the 5802-BG-SPRING-OLD sampling location is treated as a groundwater sample for the following reasons:

- The sampling point does not discharge groundwater at the ground surface.
- Construction of the sample access point is similar to construction of a temporary monitoring well or piezometer.
- The sampling point is constructed of a PVC casing extending below ground surface and is assumed to have a screened interval from which groundwater is collected and recharges.

2.1 Groundwater Purging and Sampling Methods

2.1.1 Monitoring Well Sampling Methods

Prior to collecting groundwater samples from the monitoring wells, the static water level and total depth of the wells were measured and recorded in order to calculate a well volume. At each sample location, an initial round of field parameters consisting of pH, specific conductivity, dissolved oxygen, oxidation reduction potential, turbidity, and temperature was measured and recorded. Water-level measurements and field parameters are included in Table 2; sampling logs are presented in Appendix A. Groundwater monitoring wells and the sampling point 5802-BG-SPRING-OLD were then purged with a new disposable polyethylene bailer. As each consecutive well volume was removed with the bailer, an additional round of groundwater parameters was recorded. Each well was purged until three well volumes were removed and field parameters stabilized, or until the well had been bailed dry. Wells that were bailed dry were allowed to recharge prior to collecting a groundwater sample.

2.1.2 Domestic Well Sampling Methods

Altamont personnel sampled the two domestic wells, 5802-DW-01-EDWARDS and 5802-DW-02-EDWARDS, on April 22, 2010. Both domestic wells were purged and sampled using the dedicated pump existing in each of the wells. Groundwater obtained in order to measure field parameters and to collect samples from domestic well 5802-DW-01-EDWARDS was accessed from a spigot in the basement because a spigot does not exist at the wellhead. The groundwater used to measure field parameters and collect samples from domestic well 5802-DW-02-EDWARDS was obtained from a spigot at the wellhead. Altamont personnel recorded one round of field parameters prior to purging the well, and after each consecutive purge volume of 10 gallons had been pumped from the well. A final round of field parameters was recorded immediately before collecting the groundwater sample after a minimum of 30 gallons was purged from the well. Field parameters are reported in Table 2 and Appendix A. Groundwater samples were collected from each domestic well using laboratory-supplied sample containers.

2.1.3 Surface Water Sampling Methods

Surface water samples 5802-SW-01-OLD and 5802-SW-02-OLD were collected at designated locations along Profitt Branch, which flows adjacent to the southern site-boundary in an east-to-west direction (Figure 2). The surface water sample collected at the 5802-SW-01-OLD location is

assumed to represent surface water quality upstream of the closed landfill, while the surface water sample collected at the 5802-SW-02-OLD location is assumed to represent surface water quality downstream of the closed landfill. One set of field parameters, including temperature, pH, specific conductivity, dissolved oxygen, oxidation reduction potential, and turbidity, was measured and recorded at each surface water sampling location prior to sample collection (Table 2).

2.2 Sample Handling, Documentation, and Analysis

Field parameters and additional observations pertaining to the Closed Landfill sampling locations are provided on the sampling logs included in Appendix A. Water-level measurements and field parameters are also included in Table 2. Altamont personnel wore new, non-reactive nitrile gloves at each sampling location to prevent cross-contamination of water samples. Following sample collection, groundwater and surface water samples were immediately placed on ice in sample coolers for transport to Pace Analytical Laboratories (Pace), a North Carolina certified laboratory located in Asheville, North Carolina. Altamont submitted the water samples collected from the monitoring wells, domestic wells, and the surface water sampling locations to Pace for analysis as follows:

- Appendix I volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260
- Eight Resource Conservation and Recovery Act (RCRA) metals using EPA Methods 6010 and 7470

A trip blank, provided by the laboratory, was placed in the sample coolers and analyzed for Appendix I VOCs. Proper chain-of-custody documentation was followed during collection and transport of each sample. The laboratory analytical reports and chain-of-custody documentation are included in Appendix B. Laboratory analyses performed on the samples are summarized in Table 1.

3.0 Findings

3.1 Analytical Results

The laboratory analytical results for the groundwater and surface water samples collected at the Closed Landfill are compiled in Table 2, which is displayed in the Electronic Data Deliverable (EDD) format specified by the DENR Solid Waste Section (SWS) memorandum dated October 27, 2006. The laboratory analytical report issued by Pace for this sampling event is included as Appendix B.

As stipulated in the October 27, 2006 memorandum, non-detections were reported as Below Quantitation Limit (BQL), and all concentrations exceeding the laboratory-specific Method Detection Limit (MDL) were reported and appropriately qualified (Tables 2 through 4). The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99% confidence that the analyte concentration is greater than zero. The Practical Quantitation Limit (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. All detections were compared to analyte-specific Solid Waste Section Limits (SWSLs) established by the SWS. The SWSL is the lowest concentration, determined by the SWS, of an analyte in a sample that can be quantitatively determined with suitable precision and accuracy. If the reported concentration is greater than the laboratory MDL and less than the SWSL, the analytical result is qualified as estimated, and is flagged with a "*J*" qualifier (italicized J-flag). A "J" qualifier is used for parameters detected at estimated concentrations greater than the MDL but less than the laboratory's PQL (as well as the SWSL). Detected concentrations of constituents below the applicable SWSLs are summarized in Table 2, but are not reported in the text of this report, unless they exceed their applicable North Carolina water quality standards.

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

3.1.1 Groundwater Monitoring Wells

Analytical results for groundwater samples collected from monitoring wells and sampling point 5802-BG-SPRING-OLD are discussed below and are summarized in Tables 2, 3, and 4. The laboratory analytical reports are included in Appendix B.

3.1.1.1 Appendix I Metals (EPA Methods 6010 and 7470)

Metals detected in groundwater samples at concentrations above the associated SWSL but below the applicable 2L Standard or GWPS can be found in Table 3 and are described below:

- Barium (SWSL = 100 micrograms per liter [µg/L]) was detected in the groundwater samples collected from 5802-MW-01-OLD (320 µg/L) and 5802-BG-SPRING-OLD (131 µg/L).

3.1.1.2 Appendix I VOCs (EPA Method 8260)

VOCs detected in groundwater samples at concentrations above the associated SWSL but below the applicable 2L Standard or GWPS can be found in Table 3 and are described below:

- 1,4-Dichlorobenzene (SWSL = 1µg/L) was detected in the groundwater sample collected from 5802-MW-01-OLD at 1.7 µg/L.

The following VOCs were detected in groundwater wells at concentrations above the associated 2L Standards (Tables 3 and 4):

- Benzene was detected in the groundwater sample collected from 5802-MW-01-OLD at 1.5 µg/L , exceeding the 2L Standard of 1 µg/L .
- Vinyl chloride was detected in the groundwater sample collected from 5802-MW-01-OLD) at 1.1 µg/L, exceeding the 2L Standard = 0.03 µg/L.

3.1.2 Groundwater—Domestic Water Wells

Analytical results for groundwater samples collected from the domestic wells (5802-DW-01 and 5802-DW-02) are discussed below and are summarized in Tables 2, 3 and 4. The laboratory analytical reports are included in Appendix B.

3.1.2.1 Appendix I Metals (EPA Methods 6010 and 7470)

Barium was the only metal detected in domestic well samples 5802-DW-01 and 5802-DW-02 at concentrations of 203 µg/L and 123 µg/L respectively, which are above the SWSL of 100 µg/L for barium, but are below the 2L Standard for barium.

3.1.2.2 Appendix I VOCs (EPA Method 8260)

Tetrachloroethene was detected in domestic well 5802-DW-02 at 0.89 µg/L (J-qualified), exceeding the 2L standard of 0.7 µg/L.

Madison County has been in open communication with the DENR SWS about the PCE detected in 5802-DW-02 and has been proactively working, as described in Section 4.3, to protect the health and safety of the Edwards's, protect the water supply, and identify the source of PCE impacting the well. Madison County is currently corresponding with the SWS to develop a plan to upgrade their monitoring well network to determine if the landfill is the source of PCE.

3.1.3 Surface Water

Analytical results for surface water samples collected from Profitt Branch are discussed below and are summarized in Table 2. The laboratory reports are included in Appendix B.

3.1.3.1 Appendix I Metals (EPA Methods 6010 and 7470)

There were no metals detected in surface water samples at concentrations above the associated SWSL. No metals were present at concentrations above their applicable 2B Standard.

3.1.3.2 Appendix I VOCs (EPA Method 8260)

VOCs were not detected in either of the surface water samples at concentrations higher than associated SWSLs.

4.0 Summary and Discussion

The following discussion generally describes the site hydrogeology of the Closed Landfill and summarizes the results of the spring 2010 semiannual water quality monitoring event. The discussion also includes background information on the activities that Madison County has conducted with regard to the detected PCE in samples collected from the Edwards's domestic well.

4.1 Site Hydrogeology

Groundwater was measured in the two monitoring wells (MW-01-OLD and MW-02-OLD) at the Closed Landfill at a depth of approximately 5 feet bgs. Both of these monitoring wells are located in topographic drainages. Depths to groundwater are likely greater within the waste cells of the Closed Landfill, which are located upslope from these monitoring wells. Within the unconsolidated soil, the shallow groundwater is interpreted to generally flow in directions that mimic the topography, which is generally south toward Profitt Branch. The site is situated on the southwest side of a knoll with an elevation of approximately 2800 feet above mean sea level.

4.2 Groundwater Quality—Monitoring Wells

Barium was the only metal detected at a concentration above its SWSLs (100 µg/L) in the groundwater samples collected from monitoring points associated with the landfill. Barium was detected at concentrations above its SWSL in the samples collected from monitoring well 5802-MW-01-OLD at a concentration of 320 µg/L, and from the background spring BG-SPRING-OLD at a concentration of 131 µg/L. No metals were detected in the groundwater sample collected from the monitoring well 5802-MW-02-OLD at concentrations that exceeded the associated 2L Standards or GWPSs.

One VOC, 1,4-dichlorobenzene, was detected in the groundwater sample from 5802-MW-01-OLD, at a concentration (1.7 µg/L) above its associated SWSL (1 µg/L), but below its applicable 2L Standard (6.0 µg/L).

An additional VOC, vinyl chloride, was detected in the groundwater sample collected from the same well, 5802-MW-01-OLD at a concentration (1.1 µg/L) that exceeded both the 2L Standard (0.03 µg/L) and the SWSL (1 µg/L).

4.3 Groundwater Quality—Domestic Wells

On April 22, 2010, Altamont collected groundwater samples from two domestic wells (5802-DW-01 and 5802-DW-02). Barium was detected at concentrations above its SWSL (100 µg/L) in both groundwater samples. However, the detected concentration of barium did not exceed its respective 2L Standard in either of the samples.

One VOC, PCE, was detected at a concentration 0.89 µg/L (J-qualified) in the sample collected from well 5802-DW-02. This concentration exceeded the 2L Standard for PCE of 0.70 µg/L.

As discussed in the *Spring 2009 Water Quality Monitoring Report* for the Closed Landfill, one VOC, PCE, was detected in the groundwater sample collected from the domestic well 5802-DW-02 for the first time on April 17, 2009. PCE was detected during that sampling event in the 5802-DW-02 groundwater sample at a concentration of 15.5 µg/L. No other compounds were detected in the referenced groundwater sample. The well was re-sampled on June 15, 2009 and again on July 15, 2009 to confirm the previous PCE detection. PCE was again the only VOC detected in those samples, at concentrations of 5.0 µg/L and 4.8 µg/L, respectively. Since that time the Edwardses have been drinking bottled water. The reduction in the concentration of PCE and the fact that only one VOC was detected in the groundwater sample raised the following questions:

- Why is only one VOC (PCE) being detected in groundwater, and why are other associated daughter compounds (trichlorethene, 1, 2, dichloroethene, and vinyl chloride) not being detected?
- Why does the concentration of PCE appear to be decreasing, rather than increasing, with time and when larger volumes of water are purged during sampling?
- What is the source(s) of the PCE detected in the groundwater samples collected from the Joel Edwards well?

Since July 2009, in an effort to protect the health and safety of the Edwards family, to protect their water supply, and in an attempt to better understand these questions, Madison County has taken the following actions:

- Confirmed that the Edwards family is drinking bottled water
- Increased groundwater sampling frequency at Joel Edwards's well from semiannual to monthly, weekly, and biweekly during the summer of 2009.
    - Since October 2008, 13 groundwater samples have been collected on the following dates. PCE was detected in the samples at the concentrations indicated:

Date	PCE in µg/L	Collected By
October 15, 2008	Non detect (ND) at a method reporting limit of 1.0 µg/L	Altamont
April 17, 2009	15.5 µg/L	Altamont
June 15, 2009	5.0 µg/L	Altamont
July 15, 2009	4.8 µg/L	Altamont
August 4, 2009	3.0 µg/L (1,2-DCE at 0.26 µg/L)	Altamont
August 12, 2009-morning	ND, day long over-pumping event described below	Altamont
August 12, 2009-middle day	ND, day long over-pumping event described below	Altamont
August 12, 2009-evening	ND, day long over-pumping event described below	Altamont
August 20, 2009	ND	Altamont
August 27, 2009	2.4 µg/L	Altamont
September 14, 2009	ND	Altamont

September 21, 2009	1.1 µg/L	Altamont
October 30, 2009	2.7 µg/L	Altamont
February 23, 2010	0.8 µg/L	Madison County Health Department
April 7, 2010	1.0 µg/L	Madison County Health Department
April 22, 2010	0.89 µg/L	Altamont
June 12, 2010	0.6 µg/L	Madison County Health Department
June 29, 2010	0.6 µg/L	Madison County Health Department

- Conducted an over-pumping event of the Edwards's well
  - The well was pumped at an average flow rate of approximately 17.5 gallons per minute for eight hours. Approximately 8,400 gallons of water was pumped from the well.
  - Groundwater samples were collected from the well in the morning before the pumping event began, at midday halfway through the pumping event, and in the evening at the conclusion of the pumping event.
  - PCE was not detected above laboratory method reporting limits of 1 µg/L in any of the three samples.
- Recorded a downhole video of the well

The following statements summarize Altamont's observations of the well:

  - The six-inch inside diameter (ID) polyvinyl chloride (PVC) surface casing extends approximately 0.7 feet above ground surface. The downhole camera was calibrated to measure the depths from the top of casing (TOC), so all depths referenced below are measured from the top of casing.
  - The surface casing is flush-coupled at 10 and 30 feet below the TOC. Some PVC glue appeared to be visible on the inside of the pipe below the couplings.
  - Except for the bottom of the casing (described in the next bullet), the casing appears competent. No cracks or breaks were observed that may allow formation material or shallow-water groundwater to enter the well. Scratches were observed on the inside of the lower part of the casing (below 40 feet). The scratches did not appear to affect the casing's integrity.
  - The bottom of the surface casing was identified at 50 feet below TOC. Water was observed to be dripping into the well from behind the casing. The bottom edge of the casing was observed to be damaged. The edge appeared to be broken (scalloped) off, possibly from pushing the casing during its installation.
  - At approximately 53 feet below TOC, about three feet below the bottom of the surface casing, water was flowing into the open-rock borehole. As the camera was lowered to the water table, water was continuously running down the sides of the borehole. It is

unclear whether all of this water came from behind the surface casing and the minor fracture at 53 feet below TOC or if other minor water bearing fractures are present lower in the borehole.

  - The water table (under non-pumping conditions) was observed at 104 feet below TOC.
  - Below the surface casing, the well is an open-rock borehole, approximately six inches in diameter. Bedrock below the bottom of the casing to the depth of the downhole camera work (approximately 293 feet below TOC) appears to be competent. No dominant water-bearing fractures were observed within this interval.
  - While the downhole camera work was taking place, water was entering the well from around the bottom of the surface casing and from depths below the surface casing but above the water table. This suggests that surface water percolating or moving downward in the area of the Joel Edwards well could enter the well at depths near the bottom of the surface casing.
  - According to information on the well tag at the Joel Edwards well, the total depth of the well is 380 feet below ground surface (bgs) and the pump is hung at 360 feet bgs. According to a Residential Well Construction Record provided to Mr. Landon Davidson of the DENR Aquifer Protection Section (APS) by Clearwater Drilling Company, the total depth of the well is 385 feet bgs, unconsolidated material exists from zero to 50 feet bgs and rock exists from 50 feet to 385 bgs. The well construction record indicates that a socket was not drilled into bedrock before installing the surface casing, and furthermore that grout was only installed from one foot bgs to 20 feet bgs. If the record for the well is correct, the aforementioned condition could allow surface water and or shallow groundwater to enter the well through unconsolidated material surrounding the bottom of the surface casing.
  - The Edwardses have indicated, and the referenced record for the well corroborates, that a large water-bearing fracture was encountered just above the total depth of the well at an interval between 360 and 362 feet bgs.

- Planned potential future work to protect the Edwards's health and water supply, includes but is not limited to:
  - Installing a k-packer or liner in the referenced well to effectively seal out surface water and or shallow groundwater from the major water bearing fractures that exist near the bottom of the borehole
  - Installing a granulated activated carbon filtration system at the referenced wellhead
  - Installing a new well further than 500 feet from the landfill property line

On December 21, 2009 a work plan was submitted to Madison County describing potential work that could take place in order to determine the following:

- Whether the source of PCE impacting the well is located on the Edwards's property
- Whether shallow surface water and or shallow groundwater is the source of PCE impacting domestic well 5802-DW-02-EDWARDS.

The referenced work plan was submitted to Madison County in order to assist the County with a response to a letter from Ms. Jaclynne Drummond of the SWS to Mr. Steve Garrison (dated November 23, 2009).

The work plan was approved by the SWS in a letter from Ms. Jaclynne Drummond dated January 7, 2010.

The work plan was implemented by Madison County in February and the results were reported to the SWS in the *PCE Investigation Summary Report* dated April 14, 2010.

The SWS responded to the submittal of the *PCE Investigation Summary Report* in a letter from Ms. Drummond dated May 11, 2010. The letter specified that Madison County is required to upgrade the groundwater monitoring network by to establishing a compliance boundary 250 feet from the waste boundary or 50 feet with the property boundary, whichever is closer to landfill waste.

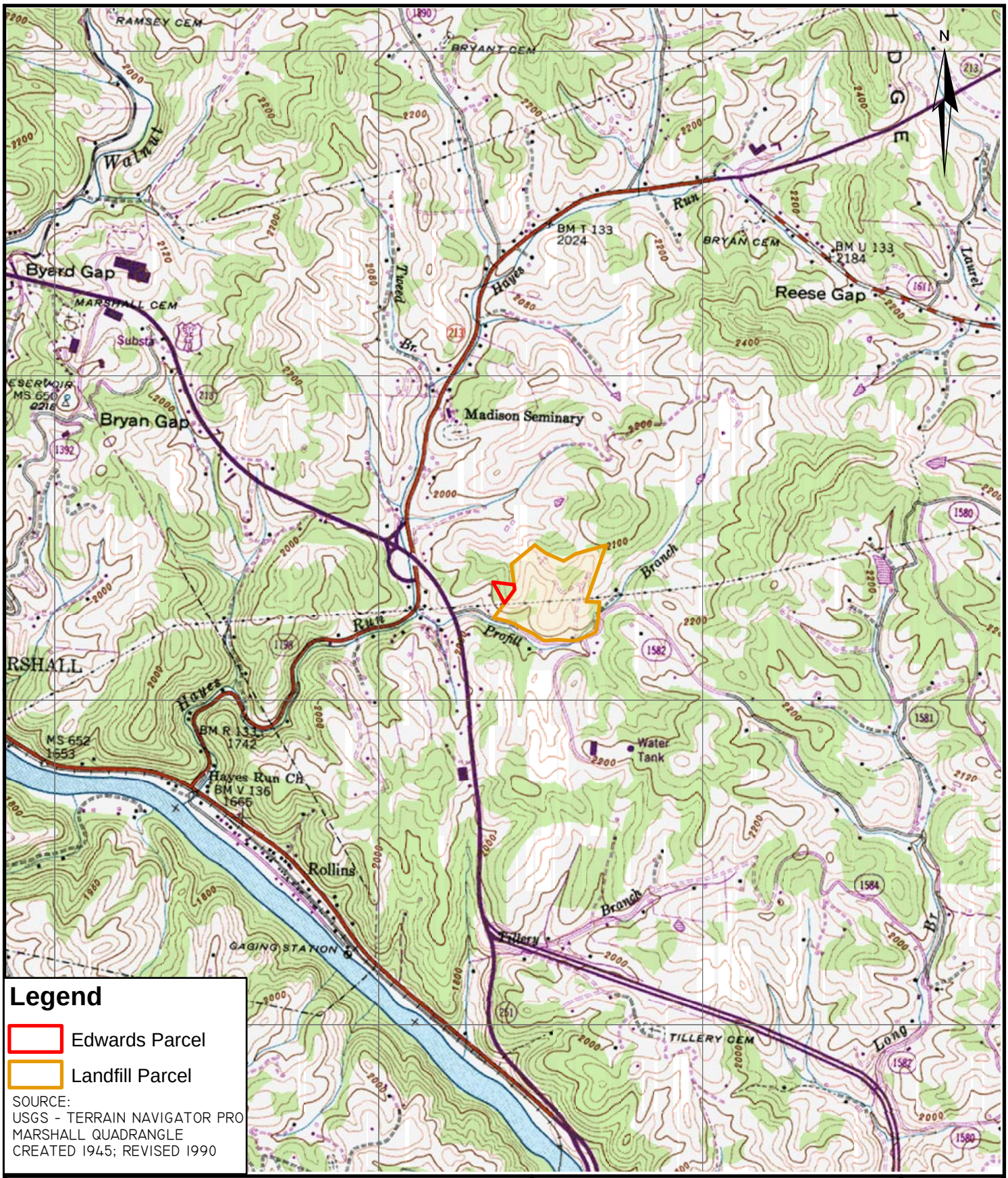
Madison County is currently in the process of responding to the May 11, 2010 letter from the SWS and developing a phased assessment plan to improve the groundwater monitoring network and to take necessary steps to insure the protection of public health and the environment.

4.4 Surface Water Quality

No metals or VOCs were detected at concentrations above their respective SWSLs in the surface water samples. Similarly, no metals or VOCs were detected at concentrations above their 2B Standards.

Altamont will continue to monitor metals and VOCs on a semiannual basis at the Madison County Closed Solid Waste Landfill. Madison County and Altamont will continue to work with the SWS in order to protect the health and safety of the public and the environment. The next sampling event is scheduled for the fall of 2010.

FIGURES



Legend

- Edwards Parcel
- Landfill Parcel

SOURCE:
USGS - TERRAIN NAVIGATOR PRO
MARSHALL QUADRANGLE
CREATED 1945; REVISED 1990

ALTAMONT ENVIRONMENTAL, INC.
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SITE LOCATION MAP
MADISON COUNTY
CLOSED MSW LANDFILL

389 LONG BRANCH ROAD
MARSHALL, NC 28753

MADISON COUNTY, NORTH CAROLINA

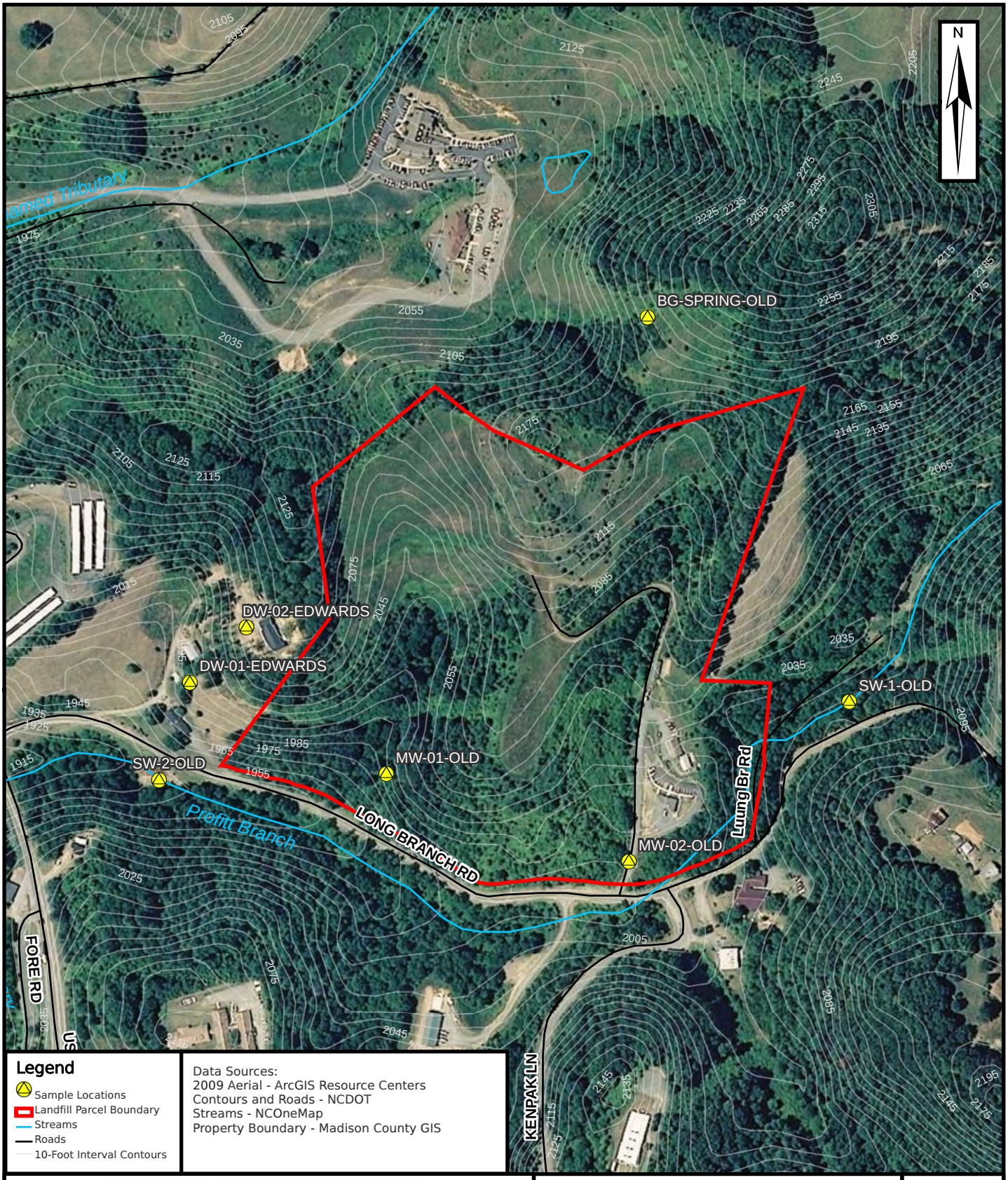
FIGURE

1

DRAWN BY: EVAN YURKOVICH
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 3/26/2010

SCALE
0 500 1,000 2,000 Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\5802-Figure 1-Site_Location_Madison Closed LF.mxd



Legend

- Sample Locations
- Landfill Parcel Boundary
- Streams
- Roads
- 10-Foot Interval Contours

Data Sources:
2009 Aerial - ArcGIS Resource Centers
Contours and Roads - NCDOT
Streams - NCOneMap
Property Boundary - Madison County GIS

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SAMPLE LOCATION MAP

Madison County Closed MSW Landfill
389 Long Branch Road
Marshall, North Carolina 28753

FIGURE 2

Drawn By: Marta VanDussen
Project Manager: Joel Lenk
Client: Madison County
Date: 05/27/2010

Scale
0 100 200 400 Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\2010\Figure 2-Sample Location Map for Closed.mxd

TABLES

Table 1
Summary of Laboratory Analyses Performed on Samples
Madison County Closed Municipal Solid Waste Landfill
Madison County, North Carolina

Groundwater Samples			
Sample Name	Date Collected	Appendix I Metals	Appendix I VOCs
		EPA 6010 EPA 7470	EPA 8260
5802-MW01OLD	04/22/2010	X	X
5802-MW02OLD	04/22/2010	X	X
5802-BGSPRINGOLD	04/22/2010	X	X
5802-DW01	04/22/2010	X	X
5802-DW02	04/22/2010	X	X
Trip Blank	04/22/2010		X
Surface Water Samples			
Sample Name	Date Collected	Appendix I Metals	Appendix I VOCs
		EPA 6010 EPA 7470	EPA 8260
5802-SW01OLD	04/22/2010	X	X
5802-SW02OLD	04/22/2010	X	X

Notes:
VOCs = volatile organic compounds

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-MW01OLD	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	7440-39-3	15	Barium	320	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	7440-47-3	51	Chromium	8.2	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	7439-97-6	132	Mercury	0.098	µg/L	J	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/27/2010	04/28/2010	40
58-02	5802-MW01OLD	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	7440-22-4	184	Silver	0.39	µg/L	J	EPA 6010	5.0	0.10	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-34-3	75	1,1-Dichloroethane	1.8	µg/L	J	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	106-46-7	71	1,4-Dichlorobenzene	1.7	µg/L		EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	71-43-2	16	Benzene	**1.5**	µg/L		EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	108-90-7	39	Chlorobenzene	0.96	µg/L	J	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	156-59-2	78	cis-1,2-Dichloroethene	4.9	µg/L	J	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-MW01OLD	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-01-4	211	Vinyl chloride	**1.1**	µg/L		EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD		356	Dissolved Oxygen	6.65	mg/L							04/22/2010			
58-02	5802-MW01OLD		336	Oxygen Reduction Potential	78.4	mV							04/22/2010			
58-02	5802-MW01OLD		320	pH	5.87	standard							04/22/2010			
58-02	5802-MW01OLD		323	Specific Conductivity	160	µS							04/22/2010			
58-02	5802-MW01OLD		325	Temperature	10.32	°C							04/22/2010			
58-02	5802-MW01OLD		330	Turbidity	152.1	NTU							04/22/2010			
58-02	5802-MW01OLD		318	Depth to Water	6.47	ft							04/22/2010			
58-02	5802-MW01OLD		411	Total Well Depth	20.65	ft										
58-02	5802-MW02OLD	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	7440-39-3	15	Barium	76.1	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	7440-47-3	51	Chromium	5.0	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	7439-97-6	132	Mercury	0.086	µg/L	J	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/27/2010	04/28/2010	40
58-02	5802-MW02OLD	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	7440-22-4	184	Silver	0.40	µg/L	J	EPA 6010	5.0	0.10	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW02OLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-34-3	75	1,1-Dichloroethane	0.48	µg/L	J	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-MW02OLD	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-MW02OLD		356	Dissolved Oxygen	11.75	mg/L							04/22/2010			
58-02	5802-MW02OLD		336	Oxygen Reduction Potential	146.7	mV							04/22/2010			
58-02	5802-MW02OLD		320	pH	6.51	standard							04/22/2010			
58-02	5802-MW02OLD		323	Specific Conductivity	115	µS							04/22/2010			
58-02	5802-MW02OLD		325	Temperature	13.71	°C							04/22/2010			
58-02	5802-MW02OLD		330	Turbidity	95.90	NTU							04/22/2010			
58-02	5802-MW02OLD		318	Depth to Water	7.61	ft							04/22/2010			
58-02	5802-MW02OLD		411	Total Well Depth	43.48	ft										
58-02	5802-BGSPRINGOLD	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	7440-39-3	15	Barium	131	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	7440-47-3	51	Chromium	4.6	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	7439-97-6	132	Mercury	0.084	µg/L	J	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/27/2010	04/28/2010	40
58-02	5802-BGSPRINGOLD	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	7440-22-4	184	Silver	0.33	µg/L	J	EPA 6010	5.0	0.10	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-BGSPRINGOLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-BGSPRINGOLD	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD		356	Dissolved Oxygen	4.58	mg/L							04/22/2010			
58-02	5802-BGSPRINGOLD		336	Oxygen Reduction Potential	66.5	mV							04/22/2010			
58-02	5802-BGSPRINGOLD		320	pH	5.82	standard							04/22/2010			

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-BGSPRINGOLD		323	Specific Conductivity	74	µS							04/22/2010			
58-02	5802-BGSPRINGOLD		325	Temperature	10.91	°C							04/22/2010			
58-02	5802-BGSPRINGOLD		330	Turbidity	28.33	NTU							04/22/2010			
58-02	5802-BGSPRINGOLD		318	Depth to Water	3.70	ft							04/22/2010			
58-02	5802-BGSPRINGOLD		411	Total Well Depth	11.93	ft										
58-02	5802-SW01OLD	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	7440-39-3	15	Barium	71.5	µg/L	J	EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	7440-47-3	51	Chromium	0.88	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/27/2010	04/28/2010	40
58-02	5802-SW01OLD	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	7440-22-4	184	Silver	0.31	µg/L	J	EPA 6010	5.0	0.10	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW01OLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12

Table 2
Analytical Data and Field Parameters
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Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-SW01OLD	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW01OLD		356	Dissolved Oxygen	16.49	mg/L							04/22/2010			
58-02	5802-SW01OLD		336	Oxygen Reduction Potential	99.0	mV							04/22/2010			
58-02	5802-SW01OLD		320	pH	6.62	standard							04/22/2010			
58-02	5802-SW01OLD		323	Specific Conductivity	105	µS							04/22/2010			
58-02	5802-SW01OLD		325	Temperature	9.94	°C							04/22/2010			
58-02	5802-SW01OLD		330	Turbidity	2.63	NTU							04/22/2010			
58-02	5802-SW02OLD	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	7440-39-3	15	Barium	51.0	µg/L	J	EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	7440-47-3	51	Chromium	0.46	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/27/2010	04/28/2010	40
58-02	5802-SW02OLD	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	7440-22-4	184	Silver	0.37	µg/L	J	EPA 6010	5.0	0.10	10	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-SW02OLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-SW02OLD	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-SW02OLD		356	Dissolved Oxygen	15.32	mg/L							04/22/2010			
58-02	5802-SW02OLD		336	Oxygen Reduction Potential	95.7	mV							04/22/2010			
58-02	5802-SW02OLD		320	pH	6.58	standard							04/22/2010			
58-02	5802-SW02OLD		323	Specific Conductivity	91	µS							04/22/2010			
58-02	5802-SW02OLD		325	Temperature	11.14	°C							04/22/2010			
58-02	5802-SW02OLD		330	Turbidity	1.77	NTU							04/22/2010			
58-02	5802-DW01	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	7440-39-3	15	Barium	203	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	7440-47-3	51	Chromium	1.1	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/28/2010	04/30/2010	40
58-02	5802-DW01	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12

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Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-DW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW01	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW01		356	Dissolved Oxygen	9.87	mg/L							04/22/2010			

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-DW01		336	Oxygen Reduction Potential	117.2	mV							04/22/2010			
58-02	5802-DW01		320	pH	5.98	standard							04/22/2010			
58-02	5802-DW01		323	Specific Conductivity	87	mS							04/22/2010			
58-02	5802-DW01		325	Temperature	15.27	°C							04/22/2010			
58-02	5802-DW01		330	Turbidity	0.00	NTU							04/22/2010			
58-02	5802-DW02	7440-38-2	14	Arsenic	2.7	µg/L	U	EPA 6010	5.0	2.7	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7440-39-3	15	Barium	123	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7440-43-9	34	Cadmium	0.50	µg/L	U	EPA 6010	1.0	0.50	1	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7440-47-3	51	Chromium	1.0	µg/L	J	EPA 6010	5.0	0.40	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7439-92-1	131	Lead	4.0	µg/L	U	EPA 6010	5.0	4.0	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7439-97-6	132	Mercury	0.070	µg/L	U	EPA 7470	0.20	0.070	0.2	1	04/22/2010	04/28/2010	04/30/2010	40
58-02	5802-DW02	7782-49-2	183	Selenium	3.8	µg/L	U	EPA 6010	10.0	3.8	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7440-22-4	184	Silver	0.10	µg/L	U	EPA 6010	5.0	0.10	10	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12

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Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-DW02	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	127-18-4	192	Tetrachloroethene	**0.89**	µg/L	J	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-DW02	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	12
58-02	5802-DW02		356	Dissolved Oxygen	11.57	mg/L							04/22/2010			
58-02	5802-DW02		336	Oxygen Reduction Potential	118.8	mV							04/22/2010			
58-02	5802-DW02		320	pH	6.20	standard							04/22/2010			
58-02	5802-DW02		323	Specific Conductivity	91	mS							04/22/2010			
58-02	5802-DW02		325	Temperature	14.86	°C							04/22/2010			
58-02	5802-DW02		330	Turbidity	1.31	NTU							04/22/2010			
58-02	5802-TRIP BLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	µg/L	U	EPA 8260	1.0	0.33	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIP BLANK	71-55-6	200	1,1,1-Trichloroethane	0.48	µg/L	U	EPA 8260	1.0	0.48	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	µg/L	U	EPA 8260	1.0	0.40	3	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	79-00-5	202	1,1,2-Trichloroethane	0.29	µg/L	U	EPA 8260	1.0	0.29	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-34-3	75	1,1-Dichloroethane	0.32	µg/L	U	EPA 8260	1.0	0.32	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-35-4	77	1,1-Dichloroethene	0.56	µg/L	U	EPA 8260	1.0	0.56	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	96-18-4	206	1,2,3-Trichloropropane	0.41	µg/L	U	EPA 8260	1.0	0.41	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	µg/L	U	EPA 8260	3.0	2.5	13	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	95-50-1	69	1,2-Dichlorobenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	107-06-2	76	1,2-Dichloroethane	0.12	µg/L	U	EPA 8260	1.0	0.12	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	78-87-5	82	1,2-Dichloropropane	0.27	µg/L	U	EPA 8260	1.0	0.27	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	106-46-7	71	1,4-Dichlorobenzene	0.33	µg/L	U	EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	78-93-3	141	2-Butanone (MEK)	0.96	µg/L	U	EPA 8260	5.0	0.96	100	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	591-78-6	124	2-Hexanone	0.46	µg/L	U	EPA 8260	5.0	0.46	50	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	µg/L	U	EPA 8260	5.0	0.33	100	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	67-64-1	3	Acetone	2.2	µg/L	U	EPA 8260	25.0	2.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	107-13-1	8	Acrylonitrile	1.9	µg/L	U	EPA 8260	10.0	1.9	200	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	71-43-2	16	Benzene	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	74-97-5	28	Bromochloromethane	0.17	µg/L	U	EPA 8260	1.0	0.17	3	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-27-4	29	Bromodichloromethane	0.18	µg/L	U	EPA 8260	1.0	0.18	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-25-2	30	Bromoform	0.26	µg/L	U	EPA 8260	1.0	0.26	3	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	74-83-9	136	Bromomethane	0.29	µg/L	U	EPA 8260	5.0	0.29	10	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-15-0	35	Carbon disulfide	1.2	µg/L	U	EPA 8260	2.0	1.2	100	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	56-23-5	36	Carbon tetrachloride	0.25	µg/L	U	EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	108-90-7	39	Chlorobenzene	0.23	µg/L	U	EPA 8260	1.0	0.23	3	1	04/22/2010		04/24/2010	12

Table 2
Analytical Data and Field Parameters
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina
Spring 2010

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-TRIPBLANK	75-00-3	41	Chloroethane	0.54	µg/L	U	EPA 8260	1.0	0.54	10	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	67-66-3	44	Chloroform	0.14	µg/L	U	EPA 8260	1.0	0.14	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	74-87-3	137	Chloromethane	0.11	µg/L	U	EPA 8260	1.0	0.11	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	156-59-2	78	cis-1,2-Dichloroethene	0.19	µg/L	U	EPA 8260	1.0	0.19	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	10061-01-5	86	cis-1,3-Dichloropropene	0.13	µg/L	U	EPA 8260	1.0	0.13	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	124-48-1	66	Dibromochloromethane	0.21	µg/L	U	EPA 8260	1.0	0.21	3	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	74-95-3	139	Dibromomethane	0.21	µg/L	U	EPA 8260	1.0	0.21	10	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	100-41-4	110	Ethylbenzene	0.30	µg/L	U	EPA 8260	1.0	0.30	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	74-88-4	142	Iodomethane	0.32	µg/L	U	EPA 8260	5.0	0.32	10	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	1330-20-7	359	m&p-Xylene	0.66	µg/L	U	EPA 8260	2.0	0.66	NE	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-09-2	140	Methylene Chloride	0.97	µg/L	U	EPA 8260	2.0	0.97	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	95-47-6	408	o-Xylene	0.23	µg/L	U	EPA 8260	1.0	0.23	NE	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	100-42-5	186	Styrene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	127-18-4	192	Tetrachloroethene	0.46	µg/L	U	EPA 8260	1.0	0.46	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	108-88-3	196	Toluene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	156-60-5	79	trans-1,2-Dichloroethene	0.49	µg/L	U	EPA 8260	1.0	0.49	5	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	10061-02-6	87	trans-1,3-Dichloropropene	0.26	µg/L	U	EPA 8260	1.0	0.26	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	µg/L	U	EPA 8260	1.0	1.0	100	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	79-01-6	201	Trichloroethene	0.47	µg/L	U	EPA 8260	1.0	0.47	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-69-4	203	Trichlorofluoromethane	0.20	µg/L	U	EPA 8260	1.0	0.20	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	108-05-4	210	Vinyl acetate	0.35	µg/L	U	EPA 8260	2.0	0.35	50	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	75-01-4	211	Vinyl chloride	0.62	µg/L	U	EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-TRIPBLANK	1330-20-7	346	Xylene (Total)	0.66	µg/L	U	EPA 8260	2.0	0.66	5	1	04/22/2010		04/24/2010	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). "BQL" indicates that the analytical result was Below Quantitation Limits.
3. "Practical Quantitaion Limit" (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions."
4. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Practical Quantitation Limit (PQL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentration that is greater than the PQL and MDL but less than the SWSL.
7. "SWSL" is the Solid Waste Section Limit. This limit, established by DENR, is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collection Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on February 5, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 3
Solid Waste Section Limit Exceedance Notification
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
58-02	5802-MW01OLD	7440-39-3	15	Barium	320	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-MW01OLD	106-46-7	71	1,4-Dichlorobenzene	1.7	µg/L		EPA 8260	1.0	0.33	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	71-43-2	16	Benzene	**1.5**	µg/L		EPA 8260	1.0	0.25	1	1	04/22/2010		04/24/2010	12
58-02	5802-MW01OLD	75-01-4	211	Vinyl chloride	**1.1**	µg/L		EPA 8260	1.0	0.62	1	1	04/22/2010		04/24/2010	12
58-02	5802-BGSPRINGOLD	7440-39-3	15	Barium	131	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/29/2010	05/01/2010	40
58-02	5802-DW01	7440-39-3	15	Barium	203	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/30/2010	05/04/2010	40
58-02	5802-DW02	7440-39-3	15	Barium	123	µg/L		EPA 6010	5.0	0.20	100	1	04/22/2010	04/30/2010	05/04/2010	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). "BQL" indicates that the analytical result was Below Quantitation Limits.
3. "Practical Quantitaion Limit" (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions."
4. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Practical Quantitation Limit (PQL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentration that is greater than the PQL and MDL but less than the SWSL.
7. "SWSL" is the Solid Waste Section Limit. This limit, established by DENR, is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collection Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on February 5, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 4
Water Quality Standard Exccedance Notification
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina

Facility Permit	Sample ID	CAS Number	SWS ID	Parameter	Results	Units	Qualifiers	Method	PQL	MDL	SWSL	Dilution Factor	2L Standard	GWPS	Collect Date	Analysis Date	Cause and Significance
58-02	5802-MW01OLD	71-43-2	16	Benzene	**1.5**	µg/L		EPA 8260	1.0	0.25	1	1	1	NE	04/22/2010	04/24/2010	anthropogenic
58-02	5802-MW01OLD	75-01-4	211	Vinyl chloride	**1.1**	µg/L		EPA 8260	1.0	0.62	1	1	0.03	NE	04/22/2010	04/24/2010	anthropogenic
58-02	5802-DW02	127-18-4	192	Tetrachloroethene	**0.89**	µg/L	J	EPA 8260	1.0	0.46	1	1	0.7	NE	04/22/2010	04/24/2010	anthropogenic, determination of source pending ongoing investigation

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L). "BQL" indicates that the analytical result was Below Quantitation Limits.
3. "Practical Quantitaion Limit" (PQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions."
4. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Practical Quantitation Limit (PQL) and the Solid Waste Section Limit (SWSL). An italicized *J*-flag is a data qualifier that reflects a detected concentration that is greater than the PQL and MDL but less than the SWSL.
7. "SWSL" is the Solid Waste Section Limit. This limit, established by DENR, is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
8. "Dilution Factor" is reported as single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collection Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," DENR and EPA standards summary table (last amended on May 1, 2007).
13. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on February 5, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

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

Well Sampling Log

PROJECT NAME: Madison Co. Closed LF
DATE: 4/22/2010
PROJECT NUMBER: 2313.1201
WEATHER: Sunny 60°
SAMPLING PERSONNEL: E. Yurkovich 1224

WELL NUMBER: MW-01-OLD
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 20.65
WATER LEVEL IN FEET (WL): 6.47
LENGTH OF WATER COLUMN: 14.18 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.41 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 7.23 GALLONS
ACTUAL VOLUME PURGED: 7.25 GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	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
1	1227	initial	11.33	184	10.46	6.12	75.3	8.69	
2	1232	2.50	10.51	187	9.54	5.93	73.8	45.36	
3	1235	5.0	10.37	~~106~~ 70	6.03	6.03	84.8	190.7	
4	1240	7.25	10.32	160	6.65	5.87	78.4	152.1	
5									
6									
7									
8									
9									
10									

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] Date: 4/22/10

Notes: °C = degrees Celsius
µS = micro-Siemen
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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WWW.ALTAMONTENVIRONMENTAL.COM

Well Sampling Log

PROJECT NAME: Madison Co. Closed LF
DATE: 4/22/2010
PROJECT NUMBER: 2313.1201
WEATHER: Sunny 60°
SAMPLING PERSONNEL: E. Yurkovich
1205

WELL NUMBER: MW-02-010
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Bailed well dry after purging 10 gallons. Allow well to recharge and then collect sample

WELL DEPTH IN FEET (WD): 43.48
WATER LEVEL IN FEET (WL): 7.61
LENGTH OF WATER COLUMN: 35.87 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 6.10 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 18.29 GALLONS
ACTUAL VOLUME PURGED: 10.0 GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	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
1	1139	initial	12.33	116	13.72	6.42	194.7	0.96	
2	1152	6.25	13.82	114	12.84	6.38	170.5	8.85	
3	1205	10.0	13.71	115	11.75	6.51	146.7	95.90	
4									
5									
6									
7									
8									
9									
10									

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: Good

Sampling Personnel Signature: [signature] Date: 4/22/10

Notes: °C = degrees Celsius
µS = micro-Siemen
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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WWW.ALTAMONTENVIRONMENTAL.COM

Well Sampling Log

PROJECT NAME: Madison Co. Closed LF
PROJECT NUMBER: 2313.1701
SAMPLING PERSONNEL: E. Yurkovich

DATE: 4/22/2010
WEATHER: Clear, Sunny 55°
915

WELL NUMBER: BG-SPRING-OLD
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Spring located behind Madison Co. Health Dept., downgradient of closed Landfill

WELL DEPTH IN FEET (WD): 11.93
WATER LEVEL IN FEET (WL): 3.70
LENGTH OF WATER COLUMN: 8.23 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 1.39 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 4.20 GALLONS
ACTUAL VOLUME PURGED: 4.25 GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: (BAILER-DISP) BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: (BAILER-DISP) BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	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
1	904	initial	11.05	94	10.49	7.27	126.1	241.2	
2	908	1.50	11.44	71	6.76	6.42	84.6	349.91	
3	911	3.00	11.12	74	6.10	6.09	68.0	45.41	
4	915	4.25	10.91	74	4.58	5.82	66.5	28.33	
5									
6									
7									
8									
9									
10									

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

PROTECTIVE CASING: NA PAD: ok LOCK: ok VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] Date: 4/22/10

Notes: °C = degrees Celsius
µS = micro-Siemen
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
231 HAYWOOD STREET, ASHEVILLE, NC 28801
TEL.828.281.3350 FAC.828.281.3351
WWW.ALTAMONTENVIRONMENTAL.COM

Surface Water Sampling Log

PROJECT NAME: Madison Co. Closed LF
DATE: 4/22/2010
PROJECT NUMBER: 2313.1201
WEATHER: Sunny 60°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-01-OLD

COMMENTS: Upstream surface water sample

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

TIME	TEMP (°C)	SPECIFIC COND. (µS)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1120	9.94	105	16.49	6.62	99.0	2.63	

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

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: Date: 4/22/10

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

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Surface Water Sampling Log

PROJECT NAME: Madison Co. Closed LF
DATE: 4/22/10
PROJECT NUMBER: 2313.1201
WEATHER: Sunny 60°
SAMPLING PERSONNEL: E. Yurkovich
1105

SAMPLE NAME: SW-22-OLD

COMMENTS: Downstream surface water sample
- Collected across from Edward's Residence

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
1105	11.14	91	15.32	6.58	96.7	1.77	

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

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] Date: 4/22/10

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

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Well Sampling Log

PROJECT NAME: Madison Co. Closed LF
DATE: 4/22/2010
PROJECT NUMBER: 2313.1201
WEATHER: Clear, Sunny 40°
SAMPLING PERSONNEL: E. Yurkovich
1025

WELL NUMBER: DW-01
WELL DIAMETER: —
TYPE OF CASING: —
MEASURING POINT: —
FLUSH MOUNT / STICK-UP
COMMENTS: J.V. Edwards Domestic Well
collect sample from spigot in basement

WELL DEPTH IN FEET (WD): —
WATER LEVEL IN FEET (WL): —
LENGTH OF WATER COLUMN: — FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: — GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: — GALLONS
ACTUAL VOLUME PURGED: 50 GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	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
1	1017	initial	17.48	91	8.90	6.12	79.6	8.99	
2	1020	10	15.41	89	10.57	6.09	94.7	0.01	
3	1023	20	16.26	90	10.63	6.05	106.1	0.06	
4	1025	30	16.27	87	9.87	5.98	117.2	0.00	
5									
6									
7									
8									
9									
10									

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

PROTECTIVE CASING: NA PAD: NA LOCK: NA VEGETATION: NA ACCESS: o/c

Sampling Personnel Signature: [signature] Date: 4/22/10

Notes: °C = degrees Celsius
µS = micro-Siemen
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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Well Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
DATE: 4/22/10
PROJECT NUMBER: 2313.1001
WEATHER: Sunny 60°
SAMPLING PERSONNEL: E. Yurkevich
1050

WELL NUMBER: DW-02
WELL DIAMETER: –
TYPE OF CASING: –
MEASURING POINT: –
FLUSH MOUNT / STICK-UP
COMMENTS: Sample collected from wellhead

WELL DEPTH IN FEET (WD): –
WATER LEVEL IN FEET (WL): –
LENGTH OF WATER COLUMN: – FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: – GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: – GALLONS
ACTUAL VOLUME PURGED: 30 GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	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
1	1042	initial	13.51	92	11.94	6.20	101.6	1.71	
2	1045	10	14.15	91	11.03	6.16	113.8	0.18	
3	1047	20	14.59	91	11.40	6.18	116.2	1.99	
4	1050	30	14.86	91	11.57	6.20	118.8	1.31	
5									
6									
7									
8									
9									
10									

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

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

Sampling Personnel Signature: Date: 4/22/10

Notes: °C = degrees Celsius
µS = micro-Siemen
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. Closed Landfill
Person Conducting Calibration: E. Yurkovich
Project Number: 2313.1701
Date of Calibration: 4/22/2010
Project Location: Marshall, NC
Date of Field Measurements: 4/22/2010

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

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

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
August 2011	200601045	Initial: 0.00	Initial: 2.99	Initial: 71100
		Cal: 0.03	Cal: 9.92	Cal: 1001
		Time: 741	Time: 742	Time: 743

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 7.58	Cal: 9.01	mmHg: 703.2	Time: 708			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.79	Cal: 7.00	Time: 720				Sept 2011
pH 4 S.U. *report to 0.1 S.U.*	Initial: 4.11	Cal: 3.99	Time: 726				June 2010
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.33	Cal: 10.02	Time: 731				March 2011
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 738	Meas: 7.01	Mid Day Time:	Check:	PM Time:	Check:	Sept 2011
Spec. Cond. 447/84/23 mS**	Initial: 455	Cal: 447	Time: 712				August 2010
QC* 84 mS	AM Time: 740	Meas: 84	Mid Day Time:	Check:	PM Time:	Check:	July 2010
ORP 200 mV	Initial: 201.5	Cal: 200.0	Time: 735				July 2010

Comments:
Signature: [signature] Date: 4/22/2010

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

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

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

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

May 04, 2010

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

RE: Project: Madison Co. Closed LF
Pace Project No.: 9267993

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Charlotte Certification IDs

Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
Connecticut Certification #: PH-0104

Asheville Certification IDs

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

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9267993001	**MW-01-OLD**	Water	04/22/10 12:40	04/22/10 14:57
9267993002	**MW-02-OLD**	Water	04/22/10 12:05	04/22/10 14:57
9267993003	**BG-SPRING-OLD**	Water	04/22/10 09:15	04/22/10 14:57
9267993004	**SW-01-OLD**	Water	04/22/10 11:20	04/22/10 14:57
9267993005	**SW-02-OLD**	Water	04/22/10 11:05	04/22/10 14:57
9267993006	**TRIP BLANK**	Water	04/22/10 00:00	04/22/10 14:57

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9267993001	**MW-01-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267993002	**MW-02-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267993003	**BG-SPRING-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267993004	**SW-01-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267993005	**SW-02-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267993006	**TRIP BLANK**	EPA 8260	MCK	53	PASI-C

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: MW-01-OLD **Lab ID: 9267993001** Collected: 04/22/10 12:40 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/29/10 12:20	05/01/10 00:30	7440-38-2	
Barium	**320**	ug/L	5.0	0.20	1	04/29/10 12:20	05/01/10 00:30	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/10 12:20	05/01/10 00:30	7440-43-9	
Chromium	**8.2**	ug/L	5.0	0.40	1	04/29/10 12:20	05/01/10 00:30	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/29/10 12:20	05/01/10 00:30	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/29/10 12:20	05/01/10 00:30	7782-49-2	
Silver	**0.39J**	ug/L	5.0	0.10	1	04/29/10 12:20	05/01/10 00:30	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.098J**	ug/L	0.20	0.070	1	04/27/10 09:15	04/28/10 15:06	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 17:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 17:55	107-13-1	
Benzene	**1.5**	ug/L	1.0	0.25	1		04/24/10 17:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 17:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 17:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 17:55	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 17:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 17:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 17:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 17:55	56-23-5	
Chlorobenzene	**0.96J**	ug/L	1.0	0.23	1		04/24/10 17:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 17:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 17:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 17:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 17:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 17:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 17:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 17:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 17:55	95-50-1	
1,4-Dichlorobenzene	**1.7**	ug/L	1.0	0.33	1		04/24/10 17:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 17:55	110-57-6	
1,1-Dichloroethane	**1.8**	ug/L	1.0	0.32	1		04/24/10 17:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 17:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 17:55	75-35-4	
cis-1,2-Dichloroethene	**4.9**	ug/L	1.0	0.19	1		04/24/10 17:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 17:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 17:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 17:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 17:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 17:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 17:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 17:55	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 17:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 17:55	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: MW-01-OLD **Lab ID: 9267993001** Collected: 04/22/10 12:40 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 17:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 17:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 17:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 17:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 17:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 17:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 17:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 17:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 17:55	108-05-4	
Vinyl chloride	**1.1**	ug/L	1.0	0.62	1		04/24/10 17:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 17:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 17:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 17:55	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/24/10 17:55	460-00-4	
Dibromofluoromethane (S)	99	%	85-115		1		04/24/10 17:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		04/24/10 17:55	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 17:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: MW-02-OLD **Lab ID: 9267993002** Collected: 04/22/10 12:05 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/29/10 12:20	05/01/10 00:34	7440-38-2	
Barium	**76.1**	ug/L	5.0	0.20	1	04/29/10 12:20	05/01/10 00:34	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/10 12:20	05/01/10 00:34	7440-43-9	
Chromium	**5.0**	ug/L	5.0	0.40	1	04/29/10 12:20	05/01/10 00:34	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/29/10 12:20	05/01/10 00:34	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/29/10 12:20	05/01/10 00:34	7782-49-2	
Silver	**0.40J**	ug/L	5.0	0.10	1	04/29/10 12:20	05/01/10 00:34	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.086J**	ug/L	0.20	0.070	1	04/27/10 09:15	04/28/10 15:08	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 18:19	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 18:19	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 18:19	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 18:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 18:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 18:19	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 18:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 18:19	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 18:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 18:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 18:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 18:19	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 18:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 18:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 18:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 18:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 18:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 18:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 18:19	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 18:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 18:19	110-57-6	
1,1-Dichloroethane	**0.48J**	ug/L	1.0	0.32	1		04/24/10 18:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 18:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 18:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 18:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 18:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 18:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 18:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 18:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 18:19	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 18:19	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 18:19	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 18:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 18:19	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: MW-02-OLD **Lab ID: 9267993002** Collected: 04/22/10 12:05 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 18:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 18:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 18:19	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 18:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 18:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 18:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 18:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 18:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 18:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 18:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 18:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 18:19	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 18:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 18:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 18:19	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/24/10 18:19	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/24/10 18:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 18:19	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 18:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: BG-SPRING-OLD **Lab ID: 9267993003** Collected: 04/22/10 09:15 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/29/10 12:20	05/01/10 00:37	7440-38-2	
Barium	**131**	ug/L	5.0	0.20	1	04/29/10 12:20	05/01/10 00:37	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/10 12:20	05/01/10 00:37	7440-43-9	
Chromium	**4.6J**	ug/L	5.0	0.40	1	04/29/10 12:20	05/01/10 00:37	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/29/10 12:20	05/01/10 00:37	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/29/10 12:20	05/01/10 00:37	7782-49-2	
Silver	**0.33J**	ug/L	5.0	0.10	1	04/29/10 12:20	05/01/10 00:37	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.084J**	ug/L	0.20	0.070	1	04/27/10 09:15	04/28/10 15:11	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 18:43	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 18:43	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 18:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 18:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 18:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 18:43	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 18:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 18:43	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 18:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 18:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 18:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 18:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 18:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 18:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 18:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 18:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 18:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 18:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 18:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 18:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 18:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 18:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 18:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 18:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 18:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 18:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 18:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 18:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 18:43	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 18:43	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 18:43	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 18:43	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: BG-SPRING-OLD **Lab ID: 9267993003** Collected: 04/22/10 09:15 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 18:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 18:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 18:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 18:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 18:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 18:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 18:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 18:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 18:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 18:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 18:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 18:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 18:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 18:43	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		04/24/10 18:43	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/24/10 18:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 18:43	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 18:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: SW-01-OLD **Lab ID: 9267993004** Collected: 04/22/10 11:20 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/29/10 12:20	05/01/10 00:40	7440-38-2	
Barium	**71.5**	ug/L	5.0	0.20	1	04/29/10 12:20	05/01/10 00:40	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/10 12:20	05/01/10 00:40	7440-43-9	
Chromium	**0.88J**	ug/L	5.0	0.40	1	04/29/10 12:20	05/01/10 00:40	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/29/10 12:20	05/01/10 00:40	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/29/10 12:20	05/01/10 00:40	7782-49-2	
Silver	**0.31J**	ug/L	5.0	0.10	1	04/29/10 12:20	05/01/10 00:40	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/27/10 09:15	04/28/10 15:13	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 19:07	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 19:07	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 19:07	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 19:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 19:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 19:07	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 19:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 19:07	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 19:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 19:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 19:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 19:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 19:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 19:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 19:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 19:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 19:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 19:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 19:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 19:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 19:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 19:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 19:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 19:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 19:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 19:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 19:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 19:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:07	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 19:07	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 19:07	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 19:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 19:07	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: SW-01-OLD **Lab ID: 9267993004** Collected: 04/22/10 11:20 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 19:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 19:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 19:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 19:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 19:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 19:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 19:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 19:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 19:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 19:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 19:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 19:07	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 19:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 19:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 19:07	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		04/24/10 19:07	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/24/10 19:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 19:07	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 19:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: SW-02-OLD **Lab ID: 9267993005** Collected: 04/22/10 11:05 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/29/10 12:20	05/01/10 00:43	7440-38-2	
Barium	**51.0**	ug/L	5.0	0.20	1	04/29/10 12:20	05/01/10 00:43	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/29/10 12:20	05/01/10 00:43	7440-43-9	
Chromium	**0.46J**	ug/L	5.0	0.40	1	04/29/10 12:20	05/01/10 00:43	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/29/10 12:20	05/01/10 00:43	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/29/10 12:20	05/01/10 00:43	7782-49-2	
Silver	**0.37J**	ug/L	5.0	0.10	1	04/29/10 12:20	05/01/10 00:43	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/27/10 09:15	04/28/10 15:16	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 19:32	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 19:32	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 19:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 19:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 19:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 19:32	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 19:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 19:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 19:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 19:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 19:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 19:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 19:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 19:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 19:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 19:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 19:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 19:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:32	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 19:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 19:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 19:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 19:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 19:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 19:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 19:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 19:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 19:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 19:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 19:32	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 19:32	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 19:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 19:32	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: SW-02-OLD **Lab ID: 9267993005** Collected: 04/22/10 11:05 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 19:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 19:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 19:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 19:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 19:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 19:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 19:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 19:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 19:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 19:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 19:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 19:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 19:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 19:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 19:32	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		04/24/10 19:32	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		04/24/10 19:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 19:32	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 19:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: TRIP BLANK **Lab ID: 9267993006** Collected: 04/22/10 00:00 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 19:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 19:55	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 19:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 19:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 19:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 19:55	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 19:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 19:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 19:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 19:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 19:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 19:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 19:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 19:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 19:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 19:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 19:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 19:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 19:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 19:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 19:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 19:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 19:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 19:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 19:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 19:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 19:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 19:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 19:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 19:55	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 19:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 19:55	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 19:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 19:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 19:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 19:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 19:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 19:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 19:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 19:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 19:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 19:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 19:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 19:55	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

Sample: TRIP BLANK **Lab ID: 9267993006** Collected: 04/22/10 00:00 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 19:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 19:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 19:55	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/24/10 19:55	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		04/24/10 19:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 19:55	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/24/10 19:55	2037-26-5	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co. Closed LF
Pace Project No.: 9267993

QC Batch: MPRP/6232 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005

METHOD BLANK: 435140 Matrix: Water
Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	04/30/10 23:11	
Barium	ug/L	ND	5.0	04/30/10 23:11	
Cadmium	ug/L	ND	1.0	04/30/10 23:11	
Chromium	ug/L	ND	5.0	04/30/10 23:11	
Lead	ug/L	ND	5.0	04/30/10 23:11	
Selenium	ug/L	ND	10.0	04/30/10 23:11	
Silver	ug/L	0.53J	5.0	04/30/10 23:11	

LABORATORY CONTROL SAMPLE: 435141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	482	96	80-120	
Barium	ug/L	500	497	99	80-120	
Cadmium	ug/L	500	479	96	80-120	
Chromium	ug/L	500	485	97	80-120	
Lead	ug/L	500	482	96	80-120	
Selenium	ug/L	500	478	96	80-120	
Silver	ug/L	250	219	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 435142 435143

Parameter	Units	9268001006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	508	507	101	101	75-125	0	20	
Barium	ug/L	47.3	500	500	541	544	99	99	75-125	1	20	
Cadmium	ug/L	ND	500	500	481	474	96	95	75-125	1	20	
Chromium	ug/L	104	500	500	588	583	97	96	75-125	1	20	
Lead	ug/L	ND	500	500	479	476	96	95	75-125	1	20	
Selenium	ug/L	ND	500	500	501	500	100	100	75-125	0	20	
Silver	ug/L	ND	250	250	225	224	90	90	75-125	0	20	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF
Pace Project No.: 9267993

QC Batch: MERP/2783 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005

METHOD BLANK: 433832 Matrix: Water
Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/28/10 18:34	

LABORATORY CONTROL SAMPLE: 433833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433834 433835

Parameter	Units	9267852008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.11J	2.5	2.5	2.9	3.0	111	114	75-125	2	25	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF
Pace Project No.: 9267993

QC Batch: MSV/10734 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005, 9267993006

METHOD BLANK: 433622 Matrix: Water
Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005, 9267993006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1-Dichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1-Dichloroethene	ug/L	ND	1.0	04/24/10 16:19	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/24/10 16:19	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dichloropropane	ug/L	ND	1.0	04/24/10 16:19	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/24/10 16:19	
2-Butanone (MEK)	ug/L	ND	5.0	04/24/10 16:19	
2-Hexanone	ug/L	ND	5.0	04/24/10 16:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/24/10 16:19	
Acetone	ug/L	ND	25.0	04/24/10 16:19	
Acrylonitrile	ug/L	ND	10.0	04/24/10 16:19	
Benzene	ug/L	ND	1.0	04/24/10 16:19	
Bromochloromethane	ug/L	ND	1.0	04/24/10 16:19	
Bromodichloromethane	ug/L	ND	1.0	04/24/10 16:19	
Bromoform	ug/L	ND	1.0	04/24/10 16:19	
Bromomethane	ug/L	ND	5.0	04/24/10 16:19	
Carbon disulfide	ug/L	ND	2.0	04/24/10 16:19	
Carbon tetrachloride	ug/L	ND	1.0	04/24/10 16:19	
Chlorobenzene	ug/L	ND	1.0	04/24/10 16:19	
Chloroethane	ug/L	ND	1.0	04/24/10 16:19	
Chloroform	ug/L	ND	1.0	04/24/10 16:19	
Chloromethane	ug/L	ND	1.0	04/24/10 16:19	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 16:19	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/24/10 16:19	
Dibromochloromethane	ug/L	ND	1.0	04/24/10 16:19	
Dibromomethane	ug/L	ND	1.0	04/24/10 16:19	
Ethylbenzene	ug/L	ND	1.0	04/24/10 16:19	
Iodomethane	ug/L	ND	5.0	04/24/10 16:19	
m&p-Xylene	ug/L	ND	2.0	04/24/10 16:19	
Methylene Chloride	ug/L	3.5	2.0	04/24/10 16:19	C9
o-Xylene	ug/L	ND	1.0	04/24/10 16:19	
Styrene	ug/L	ND	1.0	04/24/10 16:19	
Tetrachloroethene	ug/L	ND	1.0	04/24/10 16:19	
Toluene	ug/L	ND	1.0	04/24/10 16:19	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 16:19	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/24/10 16:19	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF
Pace Project No.: 9267993

METHOD BLANK: 433622 Matrix: Water

Associated Lab Samples: 9267993001, 9267993002, 9267993003, 9267993004, 9267993005, 9267993006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/24/10 16:19	
Trichloroethene	ug/L	ND	1.0	04/24/10 16:19	
Trichlorofluoromethane	ug/L	ND	1.0	04/24/10 16:19	
Vinyl acetate	ug/L	ND	2.0	04/24/10 16:19	
Vinyl chloride	ug/L	ND	1.0	04/24/10 16:19	
Xylene (Total)	ug/L	ND	2.0	04/24/10 16:19	
1,2-Dichloroethane-d4 (S)	%	95	79-120	04/24/10 16:19	
4-Bromofluorobenzene (S)	%	98	87-109	04/24/10 16:19	
Dibromofluoromethane (S)	%	100	85-115	04/24/10 16:19	
Toluene-d8 (S)	%	99	70-120	04/24/10 16:19	

LABORATORY CONTROL SAMPLE: 433623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.3	109	83-125	
1,1,1-Trichloroethane	ug/L	50	52.3	105	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	73-127	
1,1,2-Trichloroethane	ug/L	50	55.0	110	77-123	
1,1-Dichloroethane	ug/L	50	53.5	107	76-129	
1,1-Dichloroethene	ug/L	50	49.3	99	78-146	
1,2,3-Trichloropropane	ug/L	50	54.4	109	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	47.6	95	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	48.1	96	81-125	
1,2-Dichlorobenzene	ug/L	50	54.6	109	82-126	
1,2-Dichloroethane	ug/L	50	51.8	104	72-126	
1,2-Dichloropropane	ug/L	50	52.2	104	80-127	
1,4-Dichlorobenzene	ug/L	50	53.7	107	79-125	
2-Butanone (MEK)	ug/L	100	109	109	50-134	
2-Hexanone	ug/L	100	113	113	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	70-131	
Acetone	ug/L	100	111	111	50-146	
Acrylonitrile	ug/L	250	292	117	66-124	
Benzene	ug/L	50	50.5	101	78-128	
Bromochloromethane	ug/L	50	49.6	99	73-124	
Bromodichloromethane	ug/L	50	50.4	101	81-125	
Bromoform	ug/L	50	46.6	93	71-125	
Bromomethane	ug/L	50	31.2	62	50-150	
Carbon disulfide	ug/L	50	47.9	96	54-150	
Carbon tetrachloride	ug/L	50	59.4	119	81-137	
Chlorobenzene	ug/L	50	53.5	107	82-126	
Chloroethane	ug/L	50	48.6	97	69-140	
Chloroform	ug/L	50	51.0	102	77-129	
Chloromethane	ug/L	50	29.6	59	54-139	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	76-133	
cis-1,3-Dichloropropene	ug/L	50	44.0	88	76-127	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF
Pace Project No.: 9267993

LABORATORY CONTROL SAMPLE: 433623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.9	104	77-125	
Dibromomethane	ug/L	50	53.2	106	77-125	
Ethylbenzene	ug/L	50	52.9	106	80-127	
Iodomethane	ug/L	100	71.7	72	65-172	
m&p-Xylene	ug/L	100	110	110	82-127	
Methylene Chloride	ug/L	50	46.6	93	67-133	
o-Xylene	ug/L	50	54.2	108	83-124	
Styrene	ug/L	50	55.0	110	80-130	
Tetrachloroethene	ug/L	50	53.1	106	78-128	
Toluene	ug/L	50	52.0	104	76-126	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	78-134	
trans-1,3-Dichloropropene	ug/L	50	44.9	90	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	40.2	80	51-140	
Trichloroethene	ug/L	50	54.0	108	79-127	
Trichlorofluoromethane	ug/L	50	45.3	91	76-148	
Vinyl acetate	ug/L	100	99.9	100	50-150	
Vinyl chloride	ug/L	50	41.6	83	67-143	
Xylene (Total)	ug/L	150	164	110	83-125	
1,2-Dichloroethane-d4 (S)	%			97	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			97	85-115	
Toluene-d8 (S)	%			98	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433624 433625

Parameter	Units	9267909014 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	58.8	57.0	118	114	60-150	3	30	
Benzene	ug/L	ND	50	50	57.9	56.6	116	113	74-136	2	30	
Chlorobenzene	ug/L	ND	50	50	59.6	58.2	119	116	79-135	2	30	
Toluene	ug/L	ND	50	50	59.2	58.1	118	116	73-131	2	30	
Trichloroethene	ug/L	ND	50	50	60.7	59.2	121	118	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						99	99	79-120			
4-Bromofluorobenzene (S)	%						98	98	87-109			
Dibromofluoromethane (S)	%						99	101	85-115			
Toluene-d8 (S)	%						99	99	70-120			

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QUALIFIERS

Project: Madison Co. Closed LF
Pace Project No.: 9267993

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

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

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1349769

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Hayward Street
Asheville NC 28801
Email To: JLenk@altamontenvironmental.com
Phone: 828-281-3358 Fax: 828-281-3357
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Joel Lenk
Copy To:
Purchase Order No.:
Project Name: Madison Co. Closed LF
Project Number: 2313.1201

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager: Lorri Patton
Pace Profile #:

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Appendix I VOCs 8260	10RA Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-01-OLD	WT	G			4/22/10	1240	10	4			X	X						X	X		001
2	MW-02-OLD	WT	G			4/22/10	1205	14	4			X	X						X	X		002
3	BG-SPRING-OLD	WT	G			4/22/10	915	11	4			X	X						X	X		003
4	SW-01-OLD	WT	G			4/22/10	1120	10	4			X	X						X	X		004
5	SW-02-OLD	WT	G			4/22/10	1105	11	4			X	X						X	X		005
6	TRIP BLANK LAB →								2				X						X			006
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- VOCs 8260 Low level	Evan Yurkovich / Altamont	4/22/10	1457	[signature]	4/22/10	1457	1.8	Y	N	Y
- Include MDL and qualifiers if applicable										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/22/10

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

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: Altamont Project # 9267993

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Temp Correction Factor: Add / Subtract 0.8 C

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

Temp should be above freezing to 6°C

Date and Initials of person examining contents: PW 4/22/10

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RP **Date:** 4/22/10

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

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May 05, 2010

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

RE: Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

CERTIFICATIONS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Charlotte Certification IDs

Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
Connecticut Certification #: PH-0104

Asheville Certification IDs

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

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SAMPLE SUMMARY

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9267994001	**DW-01**	Water	04/22/10 10:25	04/22/10 14:57
9267994002	**DW-02**	Water	04/22/10 10:50	04/22/10 14:57
9267994003	**TRIP BLANK**	Water	04/22/10 00:00	04/22/10 14:57

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SAMPLE ANALYTE COUNT

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9267994001	**DW-01**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267994002	**DW-02**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9267994003	**TRIP BLANK**	EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Sample: DW-01 **Lab ID: 9267994001** Collected: 04/22/10 10:25 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/30/10 14:15	05/04/10 15:15	7440-38-2	
Barium	**203**	ug/L	5.0	0.20	1	04/30/10 14:15	05/04/10 15:15	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/30/10 14:15	05/04/10 15:15	7440-43-9	
Chromium	**1.1J**	ug/L	5.0	0.40	1	04/30/10 14:15	05/04/10 15:15	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/30/10 14:15	05/04/10 15:15	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/30/10 14:15	05/04/10 15:15	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/30/10 14:15	05/04/10 15:15	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/28/10 18:50	04/30/10 15:21	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 20:19	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 20:19	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 20:19	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 20:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 20:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 20:19	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 20:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 20:19	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 20:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 20:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 20:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 20:19	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 20:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 20:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 20:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 20:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 20:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 20:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 20:19	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 20:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 20:19	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 20:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 20:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 20:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 20:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 20:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 20:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 20:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 20:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 20:19	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 20:19	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 20:19	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 20:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 20:19	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Sample: DW-01 **Lab ID: 9267994001** Collected: 04/22/10 10:25 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 20:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 20:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 20:19	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 20:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 20:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 20:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 20:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 20:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 20:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 20:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 20:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 20:19	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 20:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 20:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 20:19	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/24/10 20:19	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/24/10 20:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		04/24/10 20:19	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 20:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Sample: DW-02 **Lab ID: 9267994002** Collected: 04/22/10 10:50 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	5.0	2.7	1	04/30/10 14:15	05/04/10 15:22	7440-38-2	
Barium	**123**	ug/L	5.0	0.20	1	04/30/10 14:15	05/04/10 15:22	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	04/30/10 14:15	05/04/10 15:22	7440-43-9	
Chromium	**1.0J**	ug/L	5.0	0.40	1	04/30/10 14:15	05/04/10 15:22	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	04/30/10 14:15	05/04/10 15:22	7439-92-1	
Selenium	ND	ug/L	10.0	3.8	1	04/30/10 14:15	05/04/10 15:22	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/30/10 14:15	05/04/10 15:22	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	04/28/10 18:50	04/30/10 15:23	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 20:43	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 20:43	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 20:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 20:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 20:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 20:43	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 20:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 20:43	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 20:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 20:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 20:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 20:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 20:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 20:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 20:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 20:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 20:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 20:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 20:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 20:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 20:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 20:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 20:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 20:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 20:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 20:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 20:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 20:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 20:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 20:43	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 20:43	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 20:43	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 20:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 20:43	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Sample: DW-02 **Lab ID: 9267994002** Collected: 04/22/10 10:50 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 20:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 20:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 20:43	79-34-5	
Tetrachloroethene	**0.89J**	ug/L	1.0	0.46	1		04/24/10 20:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 20:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 20:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 20:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 20:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 20:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 20:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 20:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 20:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 20:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 20:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 20:43	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/24/10 20:43	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		04/24/10 20:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 20:43	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		04/24/10 20:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Sample: TRIP BLANK **Lab ID: 9267994003** Collected: 04/22/10 00:00 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/24/10 19:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/24/10 19:55	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/24/10 19:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/24/10 19:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/24/10 19:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/24/10 19:55	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/24/10 19:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/24/10 19:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/24/10 19:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/24/10 19:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/24/10 19:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/24/10 19:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/24/10 19:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/24/10 19:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/24/10 19:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/24/10 19:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/10 19:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/24/10 19:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/10 19:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/24/10 19:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/10 19:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/24/10 19:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/24/10 19:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/24/10 19:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/24/10 19:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/24/10 19:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/24/10 19:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/24/10 19:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/10 19:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/24/10 19:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/24/10 19:55	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/24/10 19:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/24/10 19:55	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/24/10 19:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/24/10 19:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/24/10 19:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/24/10 19:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/24/10 19:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/24/10 19:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/24/10 19:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/24/10 19:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/24/10 19:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/24/10 19:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/24/10 19:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/24/10 19:55	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

Sample: TRIP BLANK **Lab ID: 9267994003** Collected: 04/22/10 00:00 Received: 04/22/10 14:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/24/10 19:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/24/10 19:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/24/10 19:55	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		04/24/10 19:55	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		04/24/10 19:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		04/24/10 19:55	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		04/24/10 19:55	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

QC Batch: MPRP/6241 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 9267994001, 9267994002

METHOD BLANK: 435839 | Matrix: Water
Associated Lab Samples: 9267994001, 9267994002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	05/04/10 14:45	
Barium	ug/L	ND	5.0	05/04/10 14:45	
Cadmium	ug/L	ND	1.0	05/04/10 14:45	
Chromium	ug/L	ND	5.0	05/04/10 14:45	
Lead	ug/L	ND	5.0	05/04/10 14:45	
Selenium	ug/L	ND	10.0	05/04/10 14:45	
Silver	ug/L	ND	5.0	05/04/10 14:45	

LABORATORY CONTROL SAMPLE: 435840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	503	101	80-120	
Barium	ug/L	500	507	101	80-120	
Cadmium	ug/L	500	509	102	80-120	
Chromium	ug/L	500	511	102	80-120	
Lead	ug/L	500	510	102	80-120	
Selenium	ug/L	500	517	103	80-120	
Silver	ug/L	250	243	97	80-120	

MATRIX SPIKE SAMPLE: 435841

Parameter	Units	9267994001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	516	103	75-125	
Barium	ug/L	203	500	713	102	75-125	
Cadmium	ug/L	ND	500	514	103	75-125	
Chromium	ug/L	1.1J	500	521	104	75-125	
Lead	ug/L	ND	500	508	101	75-125	
Selenium	ug/L	ND	500	524	105	75-125	
Silver	ug/L	ND	250	248	99	75-125	

SAMPLE DUPLICATE: 435842

Parameter	Units	9267994002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	ND		20	
Barium	ug/L	123	124	1	20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	1.0J	1.0J		20	
Lead	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

SAMPLE DUPLICATE: 435842

Parameter	Units	9267994002 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	ug/L	ND	ND		20	
Silver	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

QC Batch: MERP/2786 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9267994001, 9267994002

METHOD BLANK: 434594 Matrix: Water
Associated Lab Samples: 9267994001, 9267994002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/30/10 15:14	

LABORATORY CONTROL SAMPLE: 434595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	3.0	120	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 434596 434597

Parameter	Units	9268042001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.9	2.9	116	114	75-125	1	25	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

QC Batch: MSV/10734 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9267994001, 9267994002, 9267994003

METHOD BLANK: 433622 Matrix: Water
Associated Lab Samples: 9267994001, 9267994002, 9267994003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1-Dichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,1-Dichloroethene	ug/L	ND	1.0	04/24/10 16:19	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/24/10 16:19	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dichloroethane	ug/L	ND	1.0	04/24/10 16:19	
1,2-Dichloropropane	ug/L	ND	1.0	04/24/10 16:19	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/24/10 16:19	
2-Butanone (MEK)	ug/L	ND	5.0	04/24/10 16:19	
2-Hexanone	ug/L	ND	5.0	04/24/10 16:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/24/10 16:19	
Acetone	ug/L	ND	25.0	04/24/10 16:19	
Acrylonitrile	ug/L	ND	10.0	04/24/10 16:19	
Benzene	ug/L	ND	1.0	04/24/10 16:19	
Bromochloromethane	ug/L	ND	1.0	04/24/10 16:19	
Bromodichloromethane	ug/L	ND	1.0	04/24/10 16:19	
Bromoform	ug/L	ND	1.0	04/24/10 16:19	
Bromomethane	ug/L	ND	5.0	04/24/10 16:19	
Carbon disulfide	ug/L	ND	2.0	04/24/10 16:19	
Carbon tetrachloride	ug/L	ND	1.0	04/24/10 16:19	
Chlorobenzene	ug/L	ND	1.0	04/24/10 16:19	
Chloroethane	ug/L	ND	1.0	04/24/10 16:19	
Chloroform	ug/L	ND	1.0	04/24/10 16:19	
Chloromethane	ug/L	ND	1.0	04/24/10 16:19	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 16:19	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/24/10 16:19	
Dibromochloromethane	ug/L	ND	1.0	04/24/10 16:19	
Dibromomethane	ug/L	ND	1.0	04/24/10 16:19	
Ethylbenzene	ug/L	ND	1.0	04/24/10 16:19	
Iodomethane	ug/L	ND	5.0	04/24/10 16:19	
m&p-Xylene	ug/L	ND	2.0	04/24/10 16:19	
Methylene Chloride	ug/L	3.5	2.0	04/24/10 16:19	C9
o-Xylene	ug/L	ND	1.0	04/24/10 16:19	
Styrene	ug/L	ND	1.0	04/24/10 16:19	
Tetrachloroethene	ug/L	ND	1.0	04/24/10 16:19	
Toluene	ug/L	ND	1.0	04/24/10 16:19	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 16:19	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/24/10 16:19	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

METHOD BLANK: 433622 Matrix: Water

Associated Lab Samples: 9267994001, 9267994002, 9267994003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/24/10 16:19	
Trichloroethene	ug/L	ND	1.0	04/24/10 16:19	
Trichlorofluoromethane	ug/L	ND	1.0	04/24/10 16:19	
Vinyl acetate	ug/L	ND	2.0	04/24/10 16:19	
Vinyl chloride	ug/L	ND	1.0	04/24/10 16:19	
Xylene (Total)	ug/L	ND	2.0	04/24/10 16:19	
1,2-Dichloroethane-d4 (S)	%	95	79-120	04/24/10 16:19	
4-Bromofluorobenzene (S)	%	98	87-109	04/24/10 16:19	
Dibromofluoromethane (S)	%	100	85-115	04/24/10 16:19	
Toluene-d8 (S)	%	99	70-120	04/24/10 16:19	

LABORATORY CONTROL SAMPLE: 433623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.3	109	83-125	
1,1,1-Trichloroethane	ug/L	50	52.3	105	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	73-127	
1,1,2-Trichloroethane	ug/L	50	55.0	110	77-123	
1,1-Dichloroethane	ug/L	50	53.5	107	76-129	
1,1-Dichloroethene	ug/L	50	49.3	99	78-146	
1,2,3-Trichloropropane	ug/L	50	54.4	109	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	47.6	95	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	48.1	96	81-125	
1,2-Dichlorobenzene	ug/L	50	54.6	109	82-126	
1,2-Dichloroethane	ug/L	50	51.8	104	72-126	
1,2-Dichloropropane	ug/L	50	52.2	104	80-127	
1,4-Dichlorobenzene	ug/L	50	53.7	107	79-125	
2-Butanone (MEK)	ug/L	100	109	109	50-134	
2-Hexanone	ug/L	100	113	113	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	70-131	
Acetone	ug/L	100	111	111	50-146	
Acrylonitrile	ug/L	250	292	117	66-124	
Benzene	ug/L	50	50.5	101	78-128	
Bromochloromethane	ug/L	50	49.6	99	73-124	
Bromodichloromethane	ug/L	50	50.4	101	81-125	
Bromoform	ug/L	50	46.6	93	71-125	
Bromomethane	ug/L	50	31.2	62	50-150	
Carbon disulfide	ug/L	50	47.9	96	54-150	
Carbon tetrachloride	ug/L	50	59.4	119	81-137	
Chlorobenzene	ug/L	50	53.5	107	82-126	
Chloroethane	ug/L	50	48.6	97	69-140	
Chloroform	ug/L	50	51.0	102	77-129	
Chloromethane	ug/L	50	29.6	59	54-139	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	76-133	
cis-1,3-Dichloropropene	ug/L	50	44.0	88	76-127	

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QUALITY CONTROL DATA

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

LABORATORY CONTROL SAMPLE: 433623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.9	104	77-125	
Dibromomethane	ug/L	50	53.2	106	77-125	
Ethylbenzene	ug/L	50	52.9	106	80-127	
Iodomethane	ug/L	100	71.7	72	65-172	
m&p-Xylene	ug/L	100	110	110	82-127	
Methylene Chloride	ug/L	50	46.6	93	67-133	
o-Xylene	ug/L	50	54.2	108	83-124	
Styrene	ug/L	50	55.0	110	80-130	
Tetrachloroethene	ug/L	50	53.1	106	78-128	
Toluene	ug/L	50	52.0	104	76-126	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	78-134	
trans-1,3-Dichloropropene	ug/L	50	44.9	90	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	40.2	80	51-140	
Trichloroethene	ug/L	50	54.0	108	79-127	
Trichlorofluoromethane	ug/L	50	45.3	91	76-148	
Vinyl acetate	ug/L	100	99.9	100	50-150	
Vinyl chloride	ug/L	50	41.6	83	67-143	
Xylene (Total)	ug/L	150	164	110	83-125	
1,2-Dichloroethane-d4 (S)	%			97	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			97	85-115	
Toluene-d8 (S)	%			98	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433624 433625

Parameter	Units	9267909014 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	58.8	57.0	118	114	60-150	3	30	
Benzene	ug/L	ND	50	50	57.9	56.6	116	113	74-136	2	30	
Chlorobenzene	ug/L	ND	50	50	59.6	58.2	119	116	79-135	2	30	
Toluene	ug/L	ND	50	50	59.2	58.1	118	116	73-131	2	30	
Trichloroethene	ug/L	ND	50	50	60.7	59.2	121	118	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						99	99	79-120			
4-Bromofluorobenzene (S)	%						98	98	87-109			
Dibromofluoromethane (S)	%						99	101	85-115			
Toluene-d8 (S)	%						99	99	70-120			

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QUALIFIERS

Project: Madison Co. Closed LF-DW
Pace Project No.: 9267994

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

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

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1302465

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood Street
Asheville NC 28801
Email To: JLENK@altamontenvironmental.com
Phone: 828-281-3358 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. Closed LF
Project Number: 2313.D01

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager: Lorri Patton
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Appendix IVOCs 8260	Analysis Test (Y/N): RCRA Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9267994
1	DW-01	WT	G			4/22/10	1025	15	4			X	X					X	X		-001
2	DW-02	WT	G			4/22/10	1050	15	4			X	X					X	X		-002
3	TRIP BLANK LAB								2				X					X			-003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Evan Yurkovich / Altamont	4/22/10	1457	[signature]	4/22/10	1457	1.8	Y	N	Y

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

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/22/10

*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 # 9267994

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

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

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

Temp Correction Factor: Add / Subtract 0.8 C

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

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: DMW 4/22/10

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: LP **Date:** 4/22/10

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