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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Altamont Environmental, Inc.

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

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

E-mail: mvandussen@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Madison County Closed Solid Waste Facility	389 Long Branch Road Marshall, NC 28753	58-02	.0500	October 20, 2011

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

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

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

Affix NC Licensed/ Professional Geologist Seal

Signature — 1-6-12 Date

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

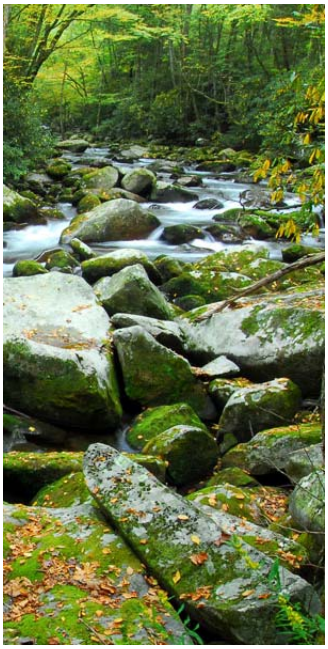
231 Haywood Street, Asheville, North Carolina 28801

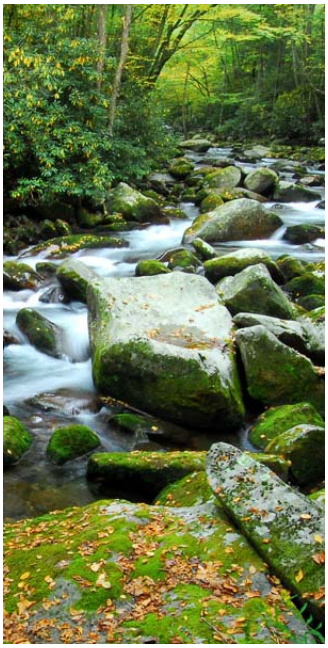
Facility Representative Address

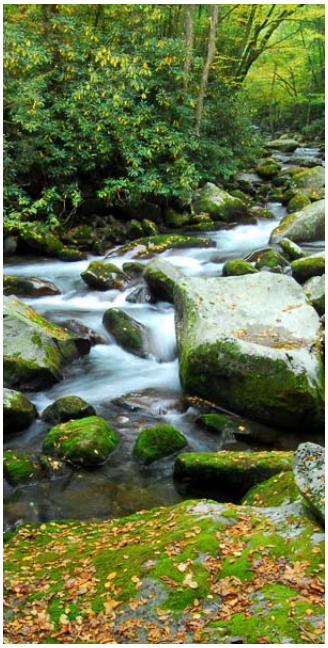
C-2185

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

Revised 6/2009







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

Fall 2011 Semiannual Water Quality Monitoring Report

Madison County Closed Solid Waste Facility

Madison County, North Carolina Permit #58-02

January 6, 2012

Prepared for
Madison County, North Carolina
Project Number 2313.1201

Prepared by
Altamont Environmental, Inc.
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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 Highway 25/70 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 second groundwater and surface water quality sampling event conducted in 2011. 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 closed landfill. Section 4 also contains a discussion of site hydrogeology.

In 2010, Madison County and the DWM developed and implemented a plan to upgrade the groundwater monitoring network at this landfill in response to tetrachloroethene (PCE) detections in groundwater samples obtained from an off-site domestic water supply well in exceedance of the 15A NCAC 2L.0202 groundwater quality standards (2L Standards). PCE was initially detected in the well in the spring of 2009 (initially reported in the *Spring 2009 Semiannual Water Quality Monitoring Report*). This well, formerly identified in DWM reports as DW-02, was located approximately 200 feet outside of the landfill parcel boundary on Mr. and Mrs. Joel Edwards' property west-southwest of monitoring wells MW-04 and MW-03 (Figure 2). The domestic well was installed by Clearwater Well Drilling, Inc. inside of the setback (500 feet) required by the North Carolina Well Construction Standards for water-supply wells (SUBCHAPTER 2C 15A NCAC 02C). The DENR Division of Water Quality (DWQ) mandated that the well be abandoned in a Notice of Violation letter sent to Clearwater Well Drilling on October 26, 2009. The well was abandoned by Clearwater Well Drilling, Inc. on August 14, 2011. Implementation of the plan to upgrade the monitoring network at the landfill resulted in the installation of two new bedrock monitoring wells (MW-03 and MW-04) just inside the landfill parcel boundary between the landfill and the former location of the water supply well. To date, PCE has not been detected in either monitoring well MW-03 or MW-04. A municipal supply of drinking water was connected to the residence in early 2011 in response to the detections of tetrachloroethene (PCE) being detected in groundwater samples collected from the Edwards' well.

2.0 Methods

Closed landfill monitoring wells (MW-01-OLD, MW-02-OLD, MW-03-OLD and MW-04-OLD), a background groundwater quality sampling location (BG-SPRING-OLD), and surface water sample locations (SW-01-OLD and SW-02-OLD) were sampled by Altamont Environmental, Inc. (Altamont) personnel on October 20, 2011 (see Appendices A and B). Monitoring wells MW-03-OLD and MW-04-OLD were installed on December 10, 2010 and December 30, 2010, respectively. Details regarding installation of both wells were reported to DENR in a summary report titled *Phased Assessment Plan and Upgrade of Monitoring Network*, dated March 2, 2011. Both monitoring wells were sampled during the spring 2011 semiannual water quality monitoring event, were sampled during this fall 2011 sampling event, and will be sampled during future water quality monitoring events.

Additionally, one domestic drinking water well (DW-01) was sampled as part of this event on October 20, 2011 (Table 1). Approximate sample locations are depicted on Figure 2.

As discussed above, the second domestic drinking water well (DW-02) was not sampled during the fall 2011 event because this well was abandoned on August 14, 2011. The well abandonment record is included in Appendix C.

In the tables associated with this report, the identification of a well ("WELL ID") consists of the name of the well prefaced by the un-hyphenated permit number for the facility. For example, monitoring well MW-01-OLD is identified on the tables as 5802-MW01OLD. In the figures and text, however, the identification of a well consists only of the name of the well and does not include the permit number for the facility.

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

- Groundwater does not discharge to the ground surface at the sampling point.
- Construction of the sample point is similar to construction of a temporary monitoring well or piezometer and is located upslope and upgradient of a springhead.
- The sampling point is constructed of a PVC casing extending below ground surface and has 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 each of the wells was measured and recorded in order to calculate the 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; and on the sampling logs, which are presented in Appendix A. Groundwater monitoring wells and sampling point BG-SPRING-OLD were then purged, each 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 a minimum of 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 one domestic well, DW-01, on October 20, 2011. The well was purged and sampled using the dedicated pump existing in the well. Groundwater obtained in order to measure field

parameters for the sample from domestic well DW-01 was accessed from a spigot in the basement of Mrs. J. V. Edwards's house because a spigot does not exist 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. A groundwater sample was collected from the domestic well using laboratory-supplied sample containers by a technician wearing a new pair of disposable nitrile gloves.

2.1.3 Surface Water Sampling Methods

Surface water samples SW-01-OLD and 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 SW-01-OLD location is assumed to represent surface water quality upstream of the closed landfill, while the surface water sample collected at the 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 included in Table 2. Altamont personnel wore new, non-reactive nitrile gloves during collection of each sample 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 laboratory certified in North Carolina and 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 US 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 was analyzed for Appendix I VOCs. Proper chain-of-custody documentation procedures were 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 DWM memorandum, non-detections were reported at the method detection limit (MDL), and all concentrations exceeding the applicable laboratory-specific MDL were reported and appropriately qualified (Tables 2, 3, and 4). The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99 percent confidence that the analyte concentration is greater than zero. All detections were compared to analyte-specific Solid Waste Section Limits (SWSLs) established by the SWS. The SWSL is the lowest concentration, 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 that are detected at estimated concentrations greater than the MDL but less than the laboratory's method reporting limit (MRL). The MRL is the minimum concentration of a target analyte that can be accurately determined by the referenced method. 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 the 2L Standards. On June 1, 2011, DENR promulgated an updated list of the interim maximum allowable concentrations (IMACs) for Class GA and GSA groundwater (in accordance with 15A NCAC 02L .0202 [c]). Detected concentrations of analytes in groundwater with no established 2L Standard were compared either to the IMACs or Groundwater Protection Standard (GWPS; pursuant to 15A NCAC 13B.1634). Detections of analytes in surface water samples were compared to the 15A NCAC 2B.0200 surface water quality standards (2B Standard).

Table 2 presents laboratory analytical results from samples collected from monitoring wells, surface water sampling locations, and the trip blank(s), as well as field parameters measured during collection of groundwater and surface water samples.

Table 3 presents all analytical results that were above the applicable SWSLs. Table 4 presents only the concentrations of analytes detected in groundwater and/or surface water samples that exceeded their respective 2L Standards, IMACs or GWPSs, and 2B Standards.

3.1.1 Groundwater Monitoring Wells

Analytical results for groundwater samples collected from monitoring wells and background sampling point 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 RCRA Metals

Barium, chromium, and lead were detected in groundwater samples in excess of the SWSLs (Table 3), as follows:

- Barium (SWSL = 100 micrograms per liter [µg/L]): MW-01-OLD at 394 µg/L , MW-03-OLD at 1,140 µg/L, MW-04-OLD at 1,030 µg/L and BG-SPRING OLD at 383 µg/L

- Chromium (SWSL = 10 µg/L) : MW-03-OLD at 34.0 µg/L, MW-04-OLD at 19.1 µg/L, and BG-SPRING-OLD at 43.1 µg/L
- Lead (SWSL = 10 µg/L): MW-03-OLD at 15.8 µg/L

No other metals were detected at concentrations above their respective SWSLs.

Concentrations of barium detected in monitoring wells MW-03-OLD and MW-04-OLD exceed the 2L Standard of 700 µg/L. Concentrations of chromium detected in the samples collected from these same wells and BG-SPRING-OLD exceed the 2L Standard of 10 µg/L. The concentration of lead found in the sample from well MW-03-OLD exceeds its 2L Standard of 15 µg/L.

3.1.1.2 Appendix I VOCs

Three VOCs (1,4-dichlorobenzene, benzene, and chlorobenzene) were detected in the groundwater samples collected from monitoring wells MW-01-OLD, MW-03-OLD, and MW-04-OLD at concentrations equal to or in excess of the established SWSLs, as follows:

- Monitoring well MW-01-OLD: 1,4-dichlorobenzene at 1.1 µg/L (SWSL = 1 µg/L)
- Monitoring well MW-03-OLD: 1,4-dichlorobenzene at 5.7 µg/L, benzene at 1.0 µg/L (SWSL = 1 µg/L), chlorobenzene at 5.5 µg/L (SWSL = 3 µg/L)
- Monitoring well MW-04-OLD: 1,4-dichlorobenzene at 7.0 µg/L, chlorobenzene at 6.3 µg/L

Two of the three VOCs listed above, 1,4-dichlorobenzene (MW-04-OLD), and benzene (MW-03-OLD) were detected at concentrations equal to or in excess of their 2L Standards established at 6 µg/L and 1 µg/L, respectively.

3.1.1.3 Field Parameters

The pH readings obtained on October 20, 2011 from all the wells were below the range for pH (6.5 to 8.5 Standard Units [SU]) established in the 2L Standard. Although values for pH were below the 2L Standard range, pH values appear to be consistent with historic measurements and are consistent with values for pH that could be reasonable expected in groundwater in this region. The values for pH range from 6.02 SU in well BG-SPRING-OLD to 6.47 SU in well MW-03-OLD (Table 4).

3.1.2 Groundwater—Domestic Water Wells

Analytical results for groundwater samples collected from the domestic well DW-01 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 RCRA Metals

Barium was detected in the groundwater sample collected from domestic well DW-01 at concentration of 214 µg/L, which is above the SWSL of 100 µg/L.

3.1.2.2 Appendix I VOCs

VOCs were not detected in the groundwater sample collected from domestic well sample.

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 RCRA Metals

There were no metals detected in surface water samples at concentrations above the associated SWSLs. Similarly, no metals were present at concentrations above their applicable 2B Standards.

3.1.3.2 Appendix I VOCs

There were no VOCs detected in surface water samples.

3.1.3.3 Field Parameters

The pH readings collected from both surface water sample locations were within the pH 2B Standard range established at 6.0 to 9.0 SU. The remaining field parameters were not present at concentrations that exceed either the respective SWSLs and/or 2B Standards where applicable.

4.0 Summary and Discussion

The following discussion generally describes the site hydrogeology of the closed landfill and summarizes the results of the fall 2011 semiannual water quality monitoring event.

4.1 Site Hydrogeology

Groundwater was measured in four monitoring wells (MW-01-OLD, MW-02-OLD, MW-03-OLD and MW-04-OLD) at the closed landfill at a depth of approximately 6.97 feet bgs, 16.25 feet bgs, 47.48 feet bgs, and 51.13 feet bgs, respectively.

Monitoring wells MW-03-OLD and MW-04-OLD were installed in bedrock east of the Edwards/Madison County property line near the top of a ridge within the landfill parcel. Monitoring wells, MW-01-OLD and MW-02-OLD are located in topographic drainages and are screened in the water table aquifer. Locations of monitoring wells at the site are not situated such that groundwater flow direction may be accurately calculated based on data from these wells. However, within the unconsolidated soil, the shallow groundwater is interpreted to generally flow in directions that mimic topography, which is generally southward toward Profitt Branch. The site is situated on the southwest side of a knoll with an elevation of approximately 2,300 feet above mean sea level and drains to Profitt Branch.

4.2 Groundwater Quality—Monitoring Wells

Barium, chromium, and lead were detected at a concentration above its SWSLs in the groundwater samples collected from monitoring points associated with the landfill.

The detected concentrations of barium detected in groundwater samples (SWSL = 100 µg/L) range from 383 µg/L (BG-SPRING-OLD) to 1,140 µg/L (MW-03-OLD). In groundwater samples collected from monitoring wells MW-03-OLD and MW-04-OLD, barium concentrations were present in excess of the 2L Standard of 700 µg/L (see Table 4).

Two VOCs, 1,4-dichlorobenzene and benzene, were detected in groundwater samples collected from the following monitoring wells at concentrations of 7.0 µg/L (MW-04-OLD) and 1.0 µg/L (MW-03-OLD) above their associated SWSLs, 2L Standards, or GWPSs.

One additional VOC, chlorobenzene, was detected at a concentration of 5.5 µg/L in the groundwater sample collected from monitoring well MW-03-OLD and at 6.3 µg/L in the groundwater sample collected from monitoring well MW-04-OLD. These values exceed their associated SWSLs but do not exceed their 2L Standards or GWPSs.

Although the pH readings obtained on October 20, 2011 were below the acceptable rage for pH established in the 2L Standard range (6.5 to 8.5 SU), they appear to be consistent with historic measurements and naturally occurring values for pH in the region.

4.3 Groundwater Quality—Domestic Wells

On October 20, 2011, Altamont collected a groundwater sample from domestic well DW-01. Barium was the only metal detected at a concentration above its SWSL (100 µg/L) in the groundwater sample. However, the detected concentration of barium did not exceed its 2L Standard (700 µg/L) in the sample.

No VOCs were detected in the groundwater sample collected from domestic well DW-01.

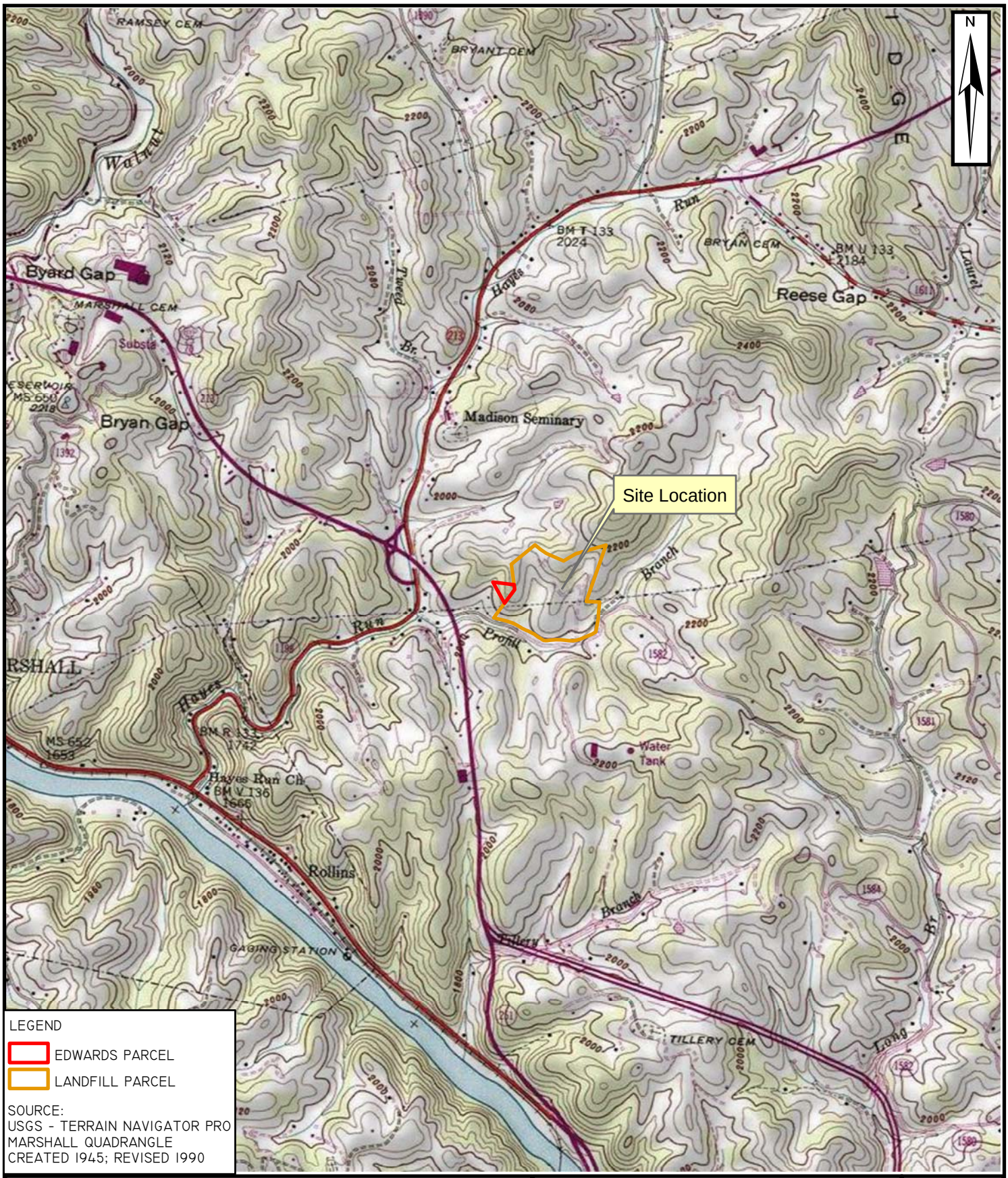
4.4 Surface Water Quality

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

Measured field parameters in surface water samples did not exceeded either the respective SWSLs and/or 2B Standards where established.

Altamont will continue to measure field parameters and monitor metals and VOCs on a semiannual basis at the Madison County Closed Solid Waste Landfill. The next sampling event is scheduled for April of 2012.

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
PERMIT # 58-02

389 LONG BRANCH ROAD
MARSHALL, NC 28753

FIGURE

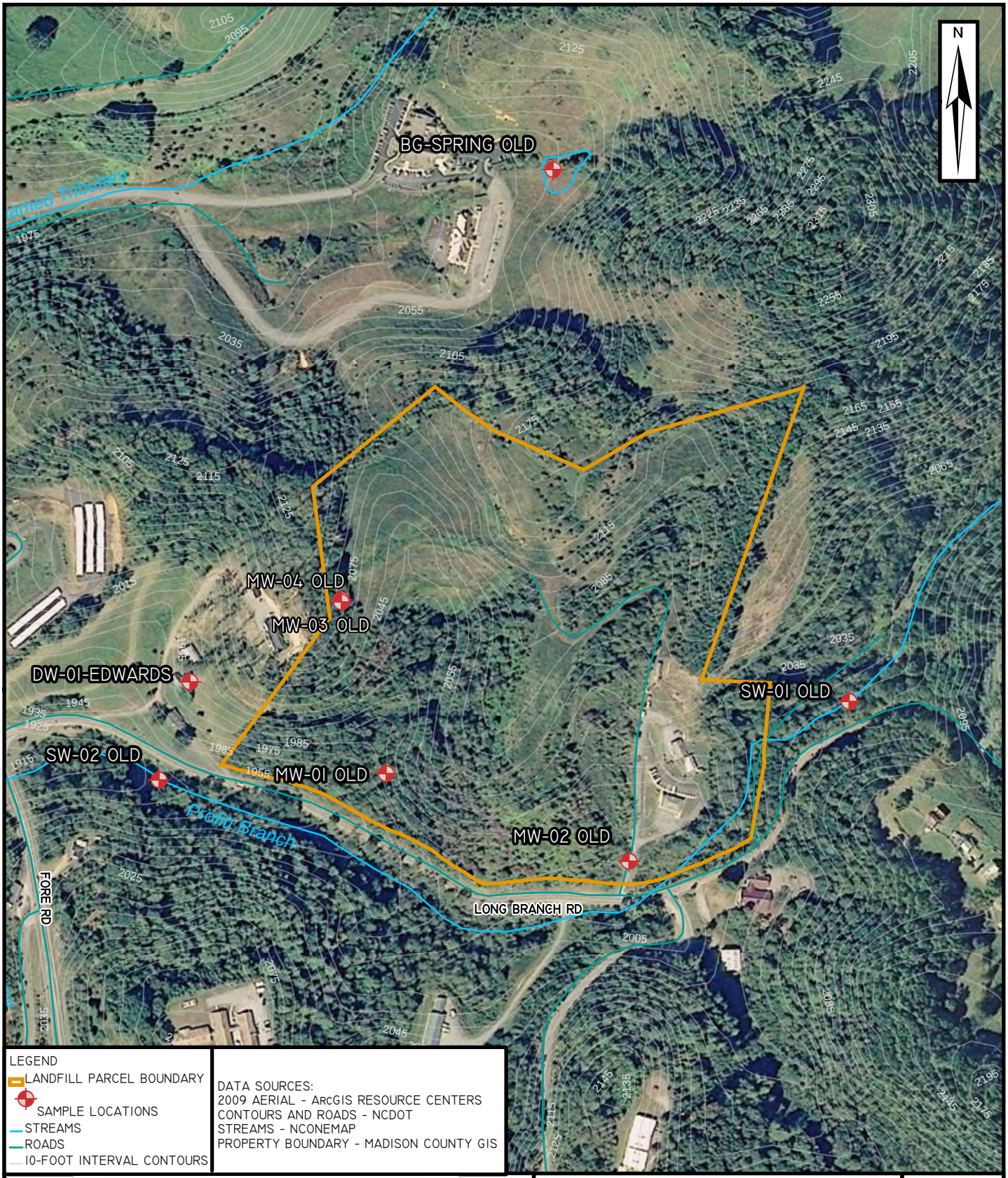
1

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 12/07/2011

SCALE

0 500 1,000 2,000 FEET

P:\MADISON COUNTY\FIGURES\GIS\GIS USER\MXDS\2011\FALL\5802-FIGURE 1-SITE LOCATION MAP CLOSED LF.MXD



LEGEND
- LANDFILL PARCEL BOUNDARY
- SAMPLE LOCATIONS
- 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
PERMIT # 58-02

389 LONG BRANCH ROAD
MARSHALL, NC 28753

FIGURE
2

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 12/07/2011

SCALE
0 100 200 400 FEET

P:\MADISON COUNTY\FIGURES\GIS\GIS USER\MXDS\2011\SPRING\FIGURE 2-SAMPLE LOCATION MAP 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	RCRA Metals	Appendix I VOCs
		EPA 6010 EPA 7470	EPA 8260
5802-MW01OLD	10/20/2011	X	X
5802-MW02OLD	10/20/2011	X	X
5802-MW03OLD	10/20/2011	X	X
5802-MW04OLD	10/20/2011	X	X
5802-BGSPRINGOLD	10/20/2011	X	X
5802-DW01	10/20/2011	X	X
5802-TRIPBLANK	10/20/2011		X
Surface Water Samples			
Sample Name	Date Collected	RCRA Metals	Appendix I VOCs
		EPA 6010 EPA 7470	EPA 8260
5802-SW01OLD	10/20/2011	X	X
5802-SW02OLD	10/20/2011	X	X

Notes:
VOCs = volatile organic compounds
RCRA Metals include the following: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver.

Table 2
Analytical Data and Field Parameters—October 2011
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-MW010LD	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	7440-39-3	15	Barium	394	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	7440-47-3	51	Chromium	8.2	ug/L	J	EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-MW010LD	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW010LD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-34-3	75	1,1-Dichloroethane	1.1	ug/L	J	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	106-46-7	71	1,4-Dichlorobenzene	1.1	ug/L		EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	108-90-7	39	Chlorobenzene	0.60	ug/L	J	EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-00-3	41	Chloroethane	0.56	ug/L	J	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	156-59-2	78	cis-1,2-Dichloroethene	1.3	ug/L	J	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12

Table 2
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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-MW010LD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW010LD	7782-44-7	356	Dissolved Oxygen	1.56	mg/L							10/20/2011			
58-02	5802-MW010LD	SW336	336	Oxygen Reduction Potential	63.8	mV							10/20/2011			
58-02	5802-MW010LD	SW320	320	pH	**6.24**	SU							10/20/2011			
58-02	5802-MW010LD	SW323	323	Specific Conductivity	471	µS							10/20/2011			
58-02	5802-MW010LD	SW325	325	Temperature	14.29	°C							10/20/2011			
58-02	5802-MW010LD	SW330	330	Turbidity	274.9	NTU							10/20/2011			
58-02	5802-MW010LD	SW318	318	Depth to Water	6.97	ft TOC							10/20/2011			
58-02	5802-MW010LD	SW411	411	Total Well Depth	20.65	ft TOC							10/20/2011			
58-02	5802-MW020LD	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	7440-39-3	15	Barium	61.3	ug/L	*J*	EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	7440-47-3	51	Chromium	2.0	ug/L	U	EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-MW020LD	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW020LD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	75-34-3	75	1,1-Dichloroethane	0.62	ug/L	J	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW020LD	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12

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58-02	5802-MW02OLD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW02OLD	7782-44-7	356	Dissolved Oxygen	4.60	mg/L							10/20/2011			
58-02	5802-MW02OLD	SW336	336	Oxygen Reduction Potential	136.5	mV							10/20/2011			
58-02	5802-MW02OLD	SW320	320	pH	**6.41**	SU							10/20/2011			
58-02	5802-MW02OLD	SW323	323	Specific Conductivity	243	µS							10/20/2011			
58-02	5802-MW02OLD	SW325	325	Temperature	13.47	°C							10/20/2011			
58-02	5802-MW02OLD	SW330	330	Turbidity	25.27	NTU							10/20/2011			
58-02	5802-MW02OLD	SW318	318	Depth to Water	16.25	ft TOC							10/20/2011			
58-02	5802-MW02OLD	SW411	411	Total Well Depth	43.48	ft TOC							10/20/2011			
58-02	5802-MW03OLD	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7440-39-3	15	Barium	**1,140**	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7440-47-3	51	Chromium	**34.0**	ug/L		EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7439-92-1	131	Lead	**15.8**	ug/L		EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40

Table 2
Analytical Data and Field Parameters—October 2011
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-MW03OLD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-MW03OLD	7782-49-2	183	Selenium	5.2	ug/L	J	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	106-46-7	71	1,4-Dichlorobenzene	5.7	ug/L		EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	591-78-6	124	2-Hexanone	0.63	ug/L	J	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	67-64-1	3	Acetone	4.1	ug/L	J	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	71-43-2	16	Benzene	**1.0**	ug/L		EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	108-90-7	39	Chlorobenzene	5.5	ug/L		EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-00-3	41	Chloroethane	1.9	ug/L	J	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	156-59-2	78	cis-1,2-Dichloroethene	0.20	ug/L	J	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	108-88-3	196	Toluene	0.27	ug/L	J	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12

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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-MW030LD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW030LD	7782-44-7	356	Dissolved Oxygen	1.89	mg/L							10/20/2011			
58-02	5802-MW030LD	SW336	336	Oxygen Reduction Potential	-84.2	mV							10/20/2011			
58-02	5802-MW030LD	SW320	320	pH	**6.47**	SU							10/20/2011			
58-02	5802-MW030LD	SW323	323	Specific Conductivity	1,413	µS							10/20/2011			
58-02	5802-MW030LD	SW325	325	Temperature	13.74	°C							10/20/2011			
58-02	5802-MW030LD	SW330	330	Turbidity	512.1	NTU							10/20/2011			
58-02	5802-MW030LD	SW318	318	Depth to Water	47.48	ft TOC							10/20/2011			
58-02	5802-MW030LD	SW411	411	Total Well Depth	52.9	ft TOC							10/20/2011			
58-02	5802-MW040LD	7440-38-2	14	Arsenic	3.0	ug/L	J	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	7440-39-3	15	Barium	**1,030**	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	7440-47-3	51	Chromium	**19.1**	ug/L		EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	7439-92-1	131	Lead	7.6	ug/L	J	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-MW040LD	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW040LD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	75-34-3	75	1,1-Dichloroethane	0.42	ug/L	J	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	J	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	106-46-7	71	1,4-Dichlorobenzene	**7.0**	ug/L		EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	67-64-1	3	Acetone	3.3	ug/L	J	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	71-43-2	16	Benzene	0.91	ug/L	J	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW040LD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12

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58-02	5802-MW04OLD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	75-15-0	35	Carbon disulfide	1.2	ug/L	J	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	108-90-7	39	Chlorobenzene	6.3	ug/L		EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	75-00-3	41	Chloroethane	2.2	ug/L	J	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	156-59-2	78	cis-1,2-Dichloroethene	0.65	ug/L	J	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	7782-44-7	356	Dissolved Oxygen	1.48	mg/L							10/20/2011			
58-02	5802-MW04OLD	SW336	336	Oxygen Reduction Potential	-105.9	mV							10/20/2011			
58-02	5802-MW04OLD	SW320	320	pH	**6.30**	SU							10/20/2011			
58-02	5802-MW04OLD	SW323	323	Specific Conductivity	1,210	µS							10/20/2011			
58-02	5802-MW04OLD	SW325	325	Temperature	14.65	°C							10/20/2011			
58-02	5802-MW04OLD	SW330	330	Turbidity	314.9	NTU							10/20/2011			
58-02	5802-MW04OLD	SW318	318	Depth to Water	51.13	ft TOC							10/20/2011			
58-02	5802-MW04OLD	SW411	411	Total Well Depth	94.50	ft TOC							10/20/2011			
58-02	5802-BGSPRINGOLD	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7440-39-3	15	Barium	383	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7440-47-3	51	Chromium	**43.1**	ug/L		EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-BGSPRINGOLD	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12

Table 2
Analytical Data and Field Parameters—October 2011
Madison County Closed Municipal Solid Waste Landfill, Madison County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-BGSPRINGOLD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	591-78-6	124	2-Hexanone	1.1	ug/L	J	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12

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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-BGSPRINGOLD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	7782-44-7	356	Dissolved Oxygen	1.46	mg/L							10/20/2011			
58-02	5802-BGSPRINGOLD	SW336	336	Oxygen Reduction Potential	-25.4	mV							10/20/2011			
58-02	5802-BGSPRINGOLD	SW320	320	pH	**6.02**	SU							10/20/2011			
58-02	5802-BGSPRINGOLD	SW323	323	Specific Conductivity	199	µS							10/20/2011			
58-02	5802-BGSPRINGOLD	SW325	325	Temperature	15.37	°C							10/20/2011			
58-02	5802-BGSPRINGOLD	SW330	330	Turbidity	135.5	NTU							10/20/2011			
58-02	5802-BGSPRINGOLD	SW318	318	Depth to Water	9.92	ft TOC							10/20/2011			
58-02	5802-BGSPRINGOLD	SW411	411	Total Well Depth	14.25	ft TOC										
58-02	5802-SW01OLD	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	7440-39-3	15	Barium	78.7	ug/L	J	EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	7440-47-3	51	Chromium	2.4	ug/L	J	EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-SW01OLD	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW01OLD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW01OLD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12

Table 2
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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-SW010LD	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW010LD	7782-44-7	356	Dissolved Oxygen	7.81	mg/L							10/20/2011			
58-02	5802-SW010LD	SW336	336	Oxygen Reduction Potential	126.3	mV							10/20/2011			
58-02	5802-SW010LD	SW320	320	pH	6.86	SU							10/20/2011			
58-02	5802-SW010LD	SW323	323	Specific Conductivity	268	µS							10/20/2011			
58-02	5802-SW010LD	SW325	325	Temperature	9.18	°C							10/20/2011			
58-02	5802-SW010LD	SW330	330	Turbidity	0.00	NTU							10/20/2011			
58-02	5802-SW020LD	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	7440-39-3	15	Barium	56.1	ug/L	J	EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	7440-47-3	51	Chromium	2.0	ug/L	U	EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/01/2011	40
58-02	5802-SW020LD	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-SW020LD	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12

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58-02	5802-SW020LD	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	108-20-3	366	Diisopropyl ether	0.12	ug/L	U	EPA 8260	0.12	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-SW020LD	7782-44-7	356	Dissolved Oxygen	9.49	mg/L							10/20/2011			
58-02	5802-SW020LD	SW336	336	Oxygen Reduction Potential	98.0	mV							10/20/2011			
58-02	5802-SW020LD	SW320	320	pH	7.61	SU							10/20/2011			

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58-02	5802-SW02OLD	SW323	323	Specific Conductivity	273	µS							10/20/2011			
58-02	5802-SW02OLD	SW325	325	Temperature	9.86	°C							10/20/2011			
58-02	5802-SW02OLD	SW330	330	Turbidity	0.00	NTU							10/20/2011			
58-02	5802-DW01	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	7440-39-3	15	Barium	214	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	7440-43-9	34	Cadmium	0.50	ug/L	U	EPA 6010	0.50	1.0	1	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	7440-47-3	51	Chromium	2.0	ug/L	U	EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	7439-97-6	132	Mercury	0.10	ug/L	U	EPA 7470	0.10	0.20	0.2	1	10/20/2011	11/01/2011	11/02/2011	40
58-02	5802-DW01	7782-49-2	183	Selenium	5.0	ug/L	U	EPA 6010	5.0	10.0	10	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	7440-22-4	184	Silver	2.5	ug/L	U	EPA 6010	2.5	5.0	10	1	10/20/2011	10/27/2011	10/28/2011	40
58-02	5802-DW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/29/2011	10/29/2011	12

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FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-DW01	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-DW01	7782-44-7	356	Dissolved Oxygen	3.57	mg/L							10/20/2011			
58-02	5802-DW01	SW336	336	Oxygen Reduction Potential	109.0	mV							10/20/2011			
58-02	5802-DW01	SW320	320	pH	**6.30**	SU							10/20/2011			
58-02	5802-DW01	SW323	323	Specific Conductivity	265	mS							10/20/2011			
58-02	5802-DW01	SW325	325	Temperature	16.78	°C							10/20/2011			
58-02	5802-DW01	SW330	330	Turbidity	0.00	NTU							10/20/2011			
58-02	5802-TRIPBLANKLAB	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	79-34-5	191	1,1,2,2-Tetrachloroethane	0.40	ug/L	U	EPA 8260	0.40	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	95-50-1	69	1,2-Dichlorobenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12

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58-02	5802-TRIPBLANKLAB	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	100-41-4	110	Ethylbenzene	0.30	ug/L	U	EPA 8260	0.30	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	110-57-6	73	trans-1,4-Dichloro-2-butene	1.0	ug/L	U	EPA 8260	1.0	1.0	100	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-69-4	203	Trichlorofluoromethane	0.20	ug/L	U	EPA 8260	0.20	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	10/20/2011	10/29/2011	10/29/2011	12
58-02	5802-TRIPBLANKLAB	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	10/20/2011	10/29/2011	10/29/2011	12

Notes:

1. "CAS NUMBER" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "RESULT" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
4. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is assigned by the laboratory for parameters detected at estimated concentrations above the MDL but below the laboratory's Method Reporting Limit (MRL) and the SWSL. An italicized *J* -flag is a data qualifier added by Altamont per DENR's requirement to reflect a detected concentration that is greater than the MDL and the laboratory's MRL but less than the SWSL. A blank cell in this column indicates that there is no data qualifier associated with the reported result.
5. "METHOD" is the analytical method used to analyze the constituents. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
6. "MDL is the method detection limit, which is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
7. "MRL" is the method reporting limit, which is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
8. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
9. "DILUTION FACTOR" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
10. "COLLECT DATE" is the date on which the sample was collected in the field.
11. "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.
12. "ANALYSIS DATE" is the date on which the sample was analyzed by the lab.
13. **Bold** numbers indicate a result equal to or in exceedance of the 2L Standard or Groundwater Protection Standard (GWPS) or 2B Standard. If no 2L Standard exists, then values are compared to the GWPS.
14. 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).
15. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on June 13, 2011).
16. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).
17. Depth to water was measured from top of casing (TOC).

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

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LABORATORY CERTIFICATION NUMBER
58-02	5802-MW01OLD	7440-39-3	15	Barium	394	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW01OLD	106-46-7	71	1,4-Dichlorobenzene	1.1	ug/L		EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	7440-39-3	15	Barium	**1,140**	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7440-47-3	51	Chromium	**34.0**	ug/L		EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	7439-92-1	131	Lead	**15.8**	ug/L		EPA 6010	4.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW03OLD	106-46-7	71	1,4-Dichlorobenzene	5.7	ug/L		EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	71-43-2	16	Benzene	**1.0**	ug/L		EPA 8260	0.25	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW03OLD	108-90-7	39	Chlorobenzene	5.5	ug/L		EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	7440-39-3	15	Barium	**1,030**	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW04OLD	7440-47-3	51	Chromium	**19.1**	ug/L		EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-MW04OLD	106-46-7	71	1,4-Dichlorobenzene	**7.0**	ug/L		EPA 8260	0.33	1.0	1	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-MW04OLD	108-90-7	39	Chlorobenzene	6.3	ug/L		EPA 8260	0.23	1.0	3	1	10/20/2011	10/26/2011	10/26/2011	12
58-02	5802-BGSPRINGOLD	7440-39-3	15	Barium	383	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-BGSPRINGOLD	7440-47-3	51	Chromium	**43.1**	ug/L		EPA 6010	2.0	5.0	10	1	10/20/2011	10/27/2011	10/27/2011	40
58-02	5802-DW01	7440-39-3	15	Barium	214	ug/L		EPA 6010	2.5	5.0	100	1	10/20/2011	10/27/2011	10/28/2011	40

Notes:

1. "CAS NUMBER" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "RESULT" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
4. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is assigned by the laboratory for parameters detected at estimated concentrations above the MDL but below the laboratory's Method Reporting Limit (MRL) and the SWSL. An italicized *J*-flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than the MDL and the laboratory's MRL but less than the SWSL. A blank cell in this column indicates that there is no data qualifier associated with the reported result.
5. "METHOD" is the analytical method used to analyze the constituents. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
6. "MDL" is the method detection limit, which is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
7. "MRL" is the method reporting limit, which is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
8. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
9. "DILUTION FACTOR" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
10. "COLLECT DATE" is the date on which the sample was collected in the field.
11. "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.
12. "ANALYSIS DATE" is the date on which the sample was analyzed by the lab.
13. **Bold** numbers indicate a result equal to or in exceedance of the 2L Standard or Groundwater Protection Standard (GWPS) or 2B Standard. If no 2L Standard exists, then values are compared to the GWPS.
14. 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).
15. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on June 13, 2011).
16. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).

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

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	GROUNDWATER QUALITY STANDARD	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	COLLECT DATE	ANALYSIS DATE	CAUSE AND SIGNIFICANCE
58-02	5802-MW01OLD	SW320	320	pH	6.5 - 8.5	**6.24**	SU						10/20/2011		Consistent with historic readings.
58-02	5802-MW02OLD	SW320	320	pH	6.5 - 8.5	**6.41**	SU						10/20/2011		Consistent with historic readings.
58-02	5802-MW03OLD	7440-39-3	15	Barium	700	**1,140**	ug/L		EPA 6010	2.5	5.0	100	10/20/2011	10/27/2011	Possibly naturally occurring.
58-02	5802-MW03OLD	7440-47-3	51	Chromium	10	**34.0**	ug/L		EPA 6010	2.0	5.0	10	10/20/2011	10/27/2011	Turbidity of sample at 512.1 NTU.
58-02	5802-MW03OLD	7439-92-1	131	Lead	15	**15.8**	ug/L		EPA 6010	4.0	5.0	10	10/20/2011	10/27/2011	
58-02	5802-MW03OLD	71-43-2	16	Benzene	1	**1.0**	ug/L		EPA 8260	0.25	1.0	1	10/20/2011	10/26/2011	Anthropogenic.
58-02	5802-MW03OLD	SW320	320	pH	6.5 - 8.5	**6.47**	SU						10/20/2011		Consistent with historic readings.
58-02	5802-MW04OLD	7440-39-3	15	Barium	700	**1,030**	ug/L		EPA 6010	2.5	5.0	100	10/20/2011	10/27/2011	Possibly naturally occurring.
58-02	5802-MW04OLD	7440-47-3	51	Chromium	10	**19.1**	ug/L		EPA 6010	2.0	5.0	10	10/20/2011	10/27/2011	Turbidity of sample at 314.9 NTU.
58-02	5802-MW04OLD	106-46-7	71	1,4-Dichlorobenzene	6	**7.0**	ug/L		EPA 8260	0.33	1.0	1	10/20/2011	10/26/2011	Anthropogenic.
58-02	5802-MW04OLD	SW320	320	pH	6.5 - 8.5	**6.30**	SU						10/20/2011		Consistent with historic readings.
58-02	5802-BGSPRINGOLD	7440-47-3	51	Chromium	10	**43.1**	ug/L		EPA 6010	2.0	5.0	10	10/20/2011	10/27/2011	Possibly naturally occurring. Turbidity of sample at 135.5 NTU.
58-02	5802-BGSPRINGOLD	SW320	320	pH	6.5 - 8.5	**6.02**	SU						10/20/2011		Consistent with historic readings.
58-02	5802-DW01	SW320	320	pH	6.5 - 8.5	**6.30**	SU						10/20/2011		Consistent with historic readings.

Notes:

1. "CAS NUMBER" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "GROUNDWATER QUALITY STANDARD" refers to the 2L Standard or Groundwater Protection Standard (GWPS) for groundwater.
4. "RESULT" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
5. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is assigned by the laboratory for parameters detected at estimated concentrations above the MDL but below the laboratory's Method Reporting Limit (MRL) and the SWSL. An italicized *J*-flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than the MDL and the laboratory's MRL but less than the SWSL. A blank cell in this column indicates that there is no data qualifier associated with the reported result.
6. "METHOD" is the analytical method used to analyze the constituents. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.
7. "MDL" is the method detection limit, which is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
8. "MRL" is the method reporting limit, which is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the laboratory analytical report.
9. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
10. "COLLECT DATE" is the date on which the sample was collected in the field.
11. "ANALYSIS DATE" is the date on which the sample was analyzed by the lab.
12. **Bold** numbers indicate a result equal to or in exceedance of the 2L Standard or GWPS (If no 2L Standard exists).
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 June 13, 2011).
15. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).

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 Landfill
PROJECT NUMBER: 2313
SAMPLING PERSONNEL: E. Yurkovich

DATE: 10/20/2011
WEATHER: Cloudy 60°
SAMPLE TIME: 1317

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): 6.97
LENGTH OF WATER COLUMN : 13.68 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.33 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.98 GALLONS
ACTUAL VOLUME PURGED: 7.0 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	1305	initial	14.29	381	6.38	6.01	77.2	12.67	
2	1309	2.5	14.39	459	2.92	6.22	68.7	114.7	
3	1313	6.0	14.37	473	1.73	6.25	64.9	266.4	
4	1317	7.0	14.29	471	1.56	6.24	63.8	274.9	
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: ok VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] Date: 10/20/11

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
PROJECT NUMBER: 2313
SAMPLING PERSONNEL: E. Yurkovich

DATE: 10/20/2011
WEATHER: Cloudy 55°
SAMPLE TIME: 1055

WELL NUMBER: MW-02-OLD
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Bailed well dry after purging 8 gallons. Allow well to recharge and then collect sample.

WELL DEPTH IN FEET (WD): 43.48
WATER LEVEL IN FEET (WL): 16.25
LENGTH OF WATER COLUMN: 27.23 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 4.63 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 13.89 GALLONS
ACTUAL VOLUME PURGED: 8.00 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	13.28	247	6.65	6.14	154.6	0.00	
2	1049	4.75	13.48	247	6.37	6.35	143.1	4.96	
3	1056	8.0	13.47	243	4.60	6.41	136.5	25.27	
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
1 L GLASS		
OTHER		

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

Sampling Personnel Signature: Date: 10/20/11

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.

P:\Templates\GW Drilling Forms\Well Sampling Log.xls

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Well Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
PROJECT NUMBER: 2313
SAMPLING PERSONNEL: E. Yurkovich

DATE: 10/20/2011
WEATHER: cloudy 55°
SAMPLE TIME: 1220

WELL NUMBER: MW-03-OLD
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Purged well dry after removing 2 well volumes, allow well to recharge and then collect sample.

WELL DEPTH IN FEET (WD): 52.9
WATER LEVEL IN FEET (WL): 47.48
LENGTH OF WATER COLUMN: 6.42 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 0.92 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 2.76 GALLONS
ACTUAL VOLUME PURGED: 2.0 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	1207	initial	13.70	1369	4.98	6.38	-138.6	15.75	
2	1212	1.0	13.88	1392	1.41	6.37	-107.2	323.6	
3	1220	2.0	13.74	1413	1.89	6.47	-84.2	512.1	
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
1 L GLASS		
OTHER		

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

Sampling Personnel Signature: Date: 10/20/11

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.

P:\Templates\GW Drilling Forms\Well Sampling Log.xls

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Well Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
PROJECT NUMBER: 2313
SAMPLING PERSONNEL: E. Yurkovich

DATE: 10/20/2011
WEATHER: Cloudy 35°
SAMPLE TIME: 1150

WELL NUMBER: MW-04-OLD
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Bailed well dry after one purge volume, allow well to recharge and then collected sample

WELL DEPTH IN FEET (WD): 94.5
WATER LEVEL IN FEET (WL): 51.13
LENGTH OF WATER COLUMN : 43.37 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 7.37 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 22.12 GALLONS
ACTUAL VOLUME PURGED: 8.0 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	1129	initial	14.78	1146	2.90	6.29	-169.5	0.00	
2	1150	8.0	14.65	1210	1.48	6.30	-105.9	314.9	
3									
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
1 L GLASS		
OTHER		

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

Sampling Personnel Signature: [signature] Date: 10/20/11

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
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Well Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
PROJECT NUMBER: 2313
SAMPLING PERSONNEL: E. Yurkovich

DATE: 10/20/2011
WEATHER: cloudy 60°
SAMPLE TIME: 1352

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

WELL DEPTH IN FEET (WD): 14.25
WATER LEVEL IN FEET (WL): 9.92
LENGTH OF WATER COLUMN : 4.33 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 0.74 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 2.22 GALLONS
ACTUAL VOLUME PURGED: 2.25 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	1341	initial	15.05	180	8.19	5.95	98.1	14.54	
2	1344	0.75	15.29	188	2.12	5.99	-21.0	38.72	
3	1347	1.50	15.35	195	1.53	6.02	-23.9	46.57	
4	1352	2.25	15.37	199	1.46	6.02	-25.4	135.5	
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: OK VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: Date: 10/20/11

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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Surface Water Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
DATE: 10/20/2011
PROJECT NUMBER: 2313
WEATHER: Cloudy 55°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-01-OLD

COMMENTS: Upstream Surface water Sample

Sampletime: 1015

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
1015	9.18	268	7.81	6.86	126.3	0.00	

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		

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: Date: 10/20/11

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

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Surface Water Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
DATE: 10/20/2011
PROJECT NUMBER: 2313
WEATHER: Cloudy 56°
SAMPLING PERSONNEL: E. Yurkovich

SAMPLE NAME: SW-02-OLD

COMMENTS: Downstream Surfacewater Sample
- collected across from Edwards Residence

Sample time - 958

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
958	9.86	273	9.49	7.61	98.0	0.00	

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		

VEGETATION: α ACCESS: Good

Sampling Personnel Signature: Date: 10/20/11

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

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Well Sampling Log

PROJECT NAME: Madison Co. Closed Landfill
PROJECT NUMBER: 2313
SAMPLING PERSONNEL: E. Yurkovich

DATE: 10/20/2011
WEATHER: Cloudy 50°
SAMPLE TIME: 943

WELL NUMBER: DW-01
WELL DIAMETER: —
TYPE OF CASING: —
MEASURING POINT: —
FLUSH MOUNT / STICK-UP
COMMENTS: Edwards domestic well, collected from spigot in the 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: 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	931	initial	20.97	298	4.30	6.38	171.9	13.42	
2	935	10	18.43	269	3.97	6.34	147.6	0.00	
3	939	20	17.34	266	3.64	6.31	119.0	0.00	
4	943	30	16.78	265	3.57	6.30	109.0	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
1 L GLASS		
OTHER		

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

Sampling Personnel Signature: [signature] Date: 10/20/11

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
Project Number: 2313
Project Location: Marshall, NC

Person Conducting Calibration: E. Yurekovich
Date of Calibration: 10/20/11
Date of Field Measurements: 10/20/11

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	10/20/11
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
August 2013	200601045	Initial: 0.96	Initial: 11.00	Initial: 936.3
		Cal: 0.03	Cal: 10.04	Cal: 993.9
		Time: 831	Time: 832	Time: 833

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 18.71	Cal: 8.83	mmHg: 697.0	Time: 821			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.98	pHmV:	Cal: 7.00	pHmV:	Time: 827		June 2013
pH 4 S.U. *report to 0.1 S.U.*	Initial: 3.95	pHmV:	Cal: 4.00	pHmV:	Time: 829		April 2013
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.03	pHmV:	Cal: 10.00	pHmV:	Time: 832		Sept 2012
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 838	Meas: 7.00	Mid Day Time:	Check:	PM Time:	Check:	June 2013
Spec. Cond. 447/84/23 mS**	Initial: 454	Cal: 447	Time: 824				April 2012
QC* 84 mS	AM Time: 836	Meas: 84	Mid Day Time:	Check:	PM Time:	Check:	April 2012
ORP 200 mV	Initial: 205.9	Cal: 200.0	Time: 834				Oct 2011

Comments:

Signature: [signature] Date: 10/20/11

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

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

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

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

November 02, 2011

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

RE: Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92104837001	**MW-01-OLD**	Water	10/20/11 13:17	10/20/11 15:01
92104837002	**MW-02-OLD**	Water	10/20/11 10:55	10/20/11 15:01
92104837003	**MW-03-OLD**	Water	10/20/11 12:20	10/20/11 15:01
92104837004	**MW-04-OLD**	Water	10/20/11 11:50	10/20/11 15:01
92104837005	**BG-SPRING-OLD**	Water	10/20/11 13:52	10/20/11 15:01
92104837006	**SW-01-OLD**	Water	10/20/11 10:15	10/20/11 15:01
92104837007	**SW-02-OLD**	Water	10/20/11 09:58	10/20/11 15:01

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SAMPLE ANALYTE COUNT

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92104837001	**MW-01-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C
92104837002	**MW-02-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C
92104837003	**MW-03-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C
92104837004	**MW-04-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C
92104837005	**BG-SPRING-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C
92104837006	**SW-01-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C
92104837007	**SW-02-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	KJM	53	PASI-C

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-01-OLD **Lab ID: 92104837001** Collected: 10/20/11 13:17 Received: 10/20/11 15:01 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	10/27/11 10:10	10/27/11 23:32	7440-38-2	
Barium	**394**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:32	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:32	7440-43-9	
Chromium	**8.2**	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:32	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:32	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:32	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:32	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 14:40	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/26/11 10:41	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 10:41	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/26/11 10:41	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 10:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 10:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 10:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 10:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 10:41	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/26/11 10:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 10:41	56-23-5	
Chlorobenzene	**0.60J**	ug/L	1.0	0.23	1		10/26/11 10:41	108-90-7	
Chloroethane	**0.56J**	ug/L	1.0	0.54	1		10/26/11 10:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 10:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 10:41	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 10:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 10:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 10:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 10:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/26/11 10:41	95-50-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	0.33	1		10/26/11 10:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 10:41	110-57-6	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.32	1		10/26/11 10:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 10:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 10:41	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.19	1		10/26/11 10:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 10:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 10:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 10:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 10:41	10061-02-6	
Diisopropyl ether	**0.15J**	ug/L	1.0	0.12	1		10/26/11 10:41	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 10:41	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/26/11 10:41	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 10:41	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 10:41	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-01-OLD **Lab ID: 92104837001** Collected: 10/20/11 13:17 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 10:41	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 10:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 10:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 10:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 10:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/26/11 10:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 10:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 10:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 10:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 10:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 10:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 10:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 10:41	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 10:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 10:41	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/26/11 10:41	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		10/26/11 10:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1		10/26/11 10:41	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/26/11 10:41	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-02-OLD **Lab ID: 92104837002** Collected: 10/20/11 10:55 Received: 10/20/11 15:01 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	10/27/11 10:10	10/27/11 23:36	7440-38-2	
Barium	**61.3**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:36	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:36	7440-43-9	
Chromium	ND	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:36	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:36	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:36	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:36	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 14:48	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/26/11 11:07	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 11:07	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/26/11 11:07	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 11:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 11:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 11:07	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 11:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 11:07	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/26/11 11:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 11:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/26/11 11:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/26/11 11:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 11:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 11:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 11:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 11:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 11:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 11:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/26/11 11:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/26/11 11:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 11:07	110-57-6	
1,1-Dichloroethane	**0.62J**	ug/L	1.0	0.32	1		10/26/11 11:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 11:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 11:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/26/11 11:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 11:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 11:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 11:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 11:07	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		10/26/11 11:07	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 11:07	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/26/11 11:07	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 11:07	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 11:07	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-02-OLD **Lab ID: 92104837002** Collected: 10/20/11 10:55 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 11:07	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 11:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 11:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 11:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 11:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/26/11 11:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 11:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 11:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 11:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 11:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 11:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 11:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 11:07	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 11:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 11:07	95-47-6	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/26/11 11:07	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		10/26/11 11:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1		10/26/11 11:07	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/26/11 11:07	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-03-OLD **Lab ID: 92104837003** Collected: 10/20/11 12:20 Received: 10/20/11 15:01 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	10/27/11 10:10	10/27/11 23:40	7440-38-2	
Barium	**1140**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:40	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:40	7440-43-9	
Chromium	**34.0**	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:40	7440-47-3	
Lead	**15.8**	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:40	7439-92-1	
Selenium	**5.2J**	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:40	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:40	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 14:51	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**4.1J**	ug/L	25.0	2.2	1		10/26/11 11:32	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 11:32	107-13-1	
Benzene	**1.0**	ug/L	1.0	0.25	1		10/26/11 11:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 11:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 11:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 11:32	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 11:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 11:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/26/11 11:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 11:32	56-23-5	
Chlorobenzene	**5.5**	ug/L	1.0	0.23	1		10/26/11 11:32	108-90-7	
Chloroethane	**1.9**	ug/L	1.0	0.54	1		10/26/11 11:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 11:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 11:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 11:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 11:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 11:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 11:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/26/11 11:32	95-50-1	
1,4-Dichlorobenzene	**5.7**	ug/L	1.0	0.33	1		10/26/11 11:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 11:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/26/11 11:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 11:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 11:32	75-35-4	
cis-1,2-Dichloroethene	**0.20J**	ug/L	1.0	0.19	1		10/26/11 11:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 11:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 11:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 11:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 11:32	10061-02-6	
Diisopropyl ether	**0.39J**	ug/L	1.0	0.12	1		10/26/11 11:32	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 11:32	100-41-4	
2-Hexanone	**0.63J**	ug/L	5.0	0.46	1		10/26/11 11:32	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 11:32	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 11:32	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-03-OLD **Lab ID: 92104837003** Collected: 10/20/11 12:20 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 11:32	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 11:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 11:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 11:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 11:32	127-18-4	
Toluene	**0.27J**	ug/L	1.0	0.26	1		10/26/11 11:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 11:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 11:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 11:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 11:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 11:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 11:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 11:32	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 11:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 11:32	95-47-6	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/26/11 11:32	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		10/26/11 11:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		10/26/11 11:32	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/26/11 11:32	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-04-OLD **Lab ID: 92104837004** Collected: 10/20/11 11:50 Received: 10/20/11 15:01 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	**3.0J**	ug/L	5.0	2.7	1	10/27/11 10:10	10/27/11 23:45	7440-38-2	
Barium	**1030**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:45	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:45	7440-43-9	
Chromium	**19.1**	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:45	7440-47-3	
Lead	**7.6**	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:45	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:45	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:45	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 14:54	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**3.3J**	ug/L	25.0	2.2	1		10/26/11 11:58	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 11:58	107-13-1	
Benzene	**0.91J**	ug/L	1.0	0.25	1		10/26/11 11:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 11:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 11:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 11:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 11:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 11:58	78-93-3	
Carbon disulfide	**1.2J**	ug/L	2.0	1.2	1		10/26/11 11:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 11:58	56-23-5	
Chlorobenzene	**6.3**	ug/L	1.0	0.23	1		10/26/11 11:58	108-90-7	
Chloroethane	**2.2**	ug/L	1.0	0.54	1		10/26/11 11:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 11:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 11:58	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 11:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 11:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 11:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 11:58	74-95-3	
1,2-Dichlorobenzene	**0.30J**	ug/L	1.0	0.30	1		10/26/11 11:58	95-50-1	
1,4-Dichlorobenzene	**7.0**	ug/L	1.0	0.33	1		10/26/11 11:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 11:58	110-57-6	
1,1-Dichloroethane	**0.42J**	ug/L	1.0	0.32	1		10/26/11 11:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 11:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 11:58	75-35-4	
cis-1,2-Dichloroethene	**0.65J**	ug/L	1.0	0.19	1		10/26/11 11:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 11:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 11:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 11:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 11:58	10061-02-6	
Diisopropyl ether	**0.33J**	ug/L	1.0	0.12	1		10/26/11 11:58	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 11:58	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/26/11 11:58	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 11:58	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 11:58	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: MW-04-OLD **Lab ID: 92104837004** Collected: 10/20/11 11:50 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 11:58	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 11:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 11:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 11:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 11:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/26/11 11:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 11:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 11:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 11:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 11:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 11:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 11:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 11:58	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 11:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 11:58	95-47-6	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/26/11 11:58	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		10/26/11 11:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		10/26/11 11:58	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/26/11 11:58	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: BG-SPRING-OLD **Lab ID: 92104837005** Collected: 10/20/11 13:52 Received: 10/20/11 15:01 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	10/27/11 10:10	10/27/11 23:49	7440-38-2	
Barium	**383**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:49	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:49	7440-43-9	
Chromium	**43.1**	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:49	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:49	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:49	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:49	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 14:56	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/26/11 12:23	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 12:23	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/26/11 12:23	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 12:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 12:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 12:23	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 12:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 12:23	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/26/11 12:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 12:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/26/11 12:23	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/26/11 12:23	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 12:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 12:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 12:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 12:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 12:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 12:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/26/11 12:23	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/26/11 12:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 12:23	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/26/11 12:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 12:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 12:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/26/11 12:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 12:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 12:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 12:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 12:23	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		10/26/11 12:23	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 12:23	100-41-4	
2-Hexanone	**1.1J**	ug/L	5.0	0.46	1		10/26/11 12:23	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 12:23	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 12:23	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: BG-SPRING-OLD **Lab ID: 92104837005** Collected: 10/20/11 13:52 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 12:23	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 12:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 12:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 12:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 12:23	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/26/11 12:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 12:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 12:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 12:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 12:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 12:23	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 12:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 12:23	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 12:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 12:23	95-47-6	
4-Bromofluorobenzene (S)	90	%	70-130		1		10/26/11 12:23	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		10/26/11 12:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		10/26/11 12:23	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/26/11 12:23	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: SW-01-OLD **Lab ID: 92104837006** Collected: 10/20/11 10:15 Received: 10/20/11 15:01 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	10/27/11 10:10	10/27/11 23:53	7440-38-2	
Barium	**78.7**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:53	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:53	7440-43-9	
Chromium	**2.4J**	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:53	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:53	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:53	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:53	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 14:59	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/26/11 12:49	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 12:49	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/26/11 12:49	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 12:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 12:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 12:49	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 12:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 12:49	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/26/11 12:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 12:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/26/11 12:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/26/11 12:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 12:49	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 12:49	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 12:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 12:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 12:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 12:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/26/11 12:49	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/26/11 12:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 12:49	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/26/11 12:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 12:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 12:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/26/11 12:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 12:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 12:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 12:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 12:49	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		10/26/11 12:49	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 12:49	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/26/11 12:49	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 12:49	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 12:49	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: SW-01-OLD **Lab ID: 92104837006** Collected: 10/20/11 10:15 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 12:49	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 12:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 12:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 12:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 12:49	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/26/11 12:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 12:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 12:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 12:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 12:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 12:49	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 12:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 12:49	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 12:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 12:49	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/26/11 12:49	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		10/26/11 12:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1		10/26/11 12:49	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/26/11 12:49	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: SW-02-OLD **Lab ID: 92104837007** Collected: 10/20/11 09:58 Received: 10/20/11 15:01 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	10/27/11 10:10	10/27/11 23:57	7440-38-2	
Barium	**56.1**	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:57	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/27/11 23:57	7440-43-9	
Chromium	ND	ug/L	5.0	2.0	1	10/27/11 10:10	10/27/11 23:57	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	10/27/11 10:10	10/27/11 23:57	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/27/11 23:57	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/27/11 23:57	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 10:35	11/01/11 15:02	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/26/11 13:14	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/26/11 13:14	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/26/11 13:14	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/26/11 13:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/26/11 13:14	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/26/11 13:14	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/26/11 13:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/26/11 13:14	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/26/11 13:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/26/11 13:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/26/11 13:14	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/26/11 13:14	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/26/11 13:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/26/11 13:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/26/11 13:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/26/11 13:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/26/11 13:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/26/11 13:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/26/11 13:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/26/11 13:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/26/11 13:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/26/11 13:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/26/11 13:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/26/11 13:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/26/11 13:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/26/11 13:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/26/11 13:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/26/11 13:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/26/11 13:14	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		10/26/11 13:14	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/26/11 13:14	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/26/11 13:14	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/26/11 13:14	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/26/11 13:14	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

Sample: SW-02-OLD **Lab ID: 92104837007** Collected: 10/20/11 09:58 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/26/11 13:14	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/26/11 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/26/11 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/26/11 13:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/26/11 13:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/26/11 13:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/26/11 13:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/26/11 13:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/26/11 13:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/26/11 13:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/26/11 13:14	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/26/11 13:14	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/26/11 13:14	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/26/11 13:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/26/11 13:14	95-47-6	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/26/11 13:14	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		10/26/11 13:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		10/26/11 13:14	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/26/11 13:14	2037-26-5	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

QC Batch: MPRP/9292 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

METHOD BLANK: 678459 — Matrix: Water
Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	10/27/11 22:26	
Barium	ug/L	ND	5.0	10/27/11 22:26	
Cadmium	ug/L	ND	1.0	10/27/11 22:26	
Chromium	ug/L	ND	5.0	10/27/11 22:26	
Lead	ug/L	ND	5.0	10/27/11 22:26	
Selenium	ug/L	ND	10.0	10/27/11 22:26	
Silver	ug/L	ND	5.0	10/27/11 22:26	

LABORATORY CONTROL SAMPLE: 678460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	503	101	80-120	
Barium	ug/L	500	518	104	80-120	
Cadmium	ug/L	500	493	99	80-120	
Chromium	ug/L	500	496	99	80-120	
Lead	ug/L	500	503	101	80-120	
Selenium	ug/L	500	497	99	80-120	
Silver	ug/L	250	248	99	80-120	

MATRIX SPIKE SAMPLE: 678461

Parameter	Units	92104750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	484	97	75-125	
Barium	ug/L	52.8	500	547	99	75-125	
Cadmium	ug/L	ND	500	482	96	75-125	
Chromium	ug/L	5.2	500	480	95	75-125	
Lead	ug/L	ND	500	480	96	75-125	
Selenium	ug/L	ND	500	492	98	75-125	
Silver	ug/L	ND	250	242	97	75-125	

SAMPLE DUPLICATE: 678462

Parameter	Units	92104750002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	ND		20	
Barium	ug/L	7.4	7.4	0	20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	ND		20	
Lead	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

SAMPLE DUPLICATE: 678462

Parameter	Units	92104750002 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 CLOSEDLF 10/20
Pace Project No.: 92104837

QC Batch: MERP/3832 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

METHOD BLANK: 680652 Matrix: Water
Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/01/11 13:45	

LABORATORY CONTROL SAMPLE: 680653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 680654 680655

Parameter	Units	92104928014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.4	7.9	96	316	75-125	107	25	D6,M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 680656 680657

Parameter	Units	92104833001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	98	99	75-125	0	25	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

QC Batch: MSV/17071 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

METHOD BLANK: 677543 Matrix: Water
Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/26/11 05:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/26/11 05:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/26/11 05:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/26/11 05:11	
1,1-Dichloroethane	ug/L	ND	1.0	10/26/11 05:11	
1,1-Dichloroethene	ug/L	ND	1.0	10/26/11 05:11	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/26/11 05:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/26/11 05:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/26/11 05:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/26/11 05:11	
1,2-Dichloroethane	ug/L	ND	1.0	10/26/11 05:11	
1,2-Dichloropropane	ug/L	ND	1.0	10/26/11 05:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/26/11 05:11	
2-Butanone (MEK)	ug/L	ND	5.0	10/26/11 05:11	
2-Hexanone	ug/L	ND	5.0	10/26/11 05:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/26/11 05:11	
Acetone	ug/L	ND	25.0	10/26/11 05:11	
Acrylonitrile	ug/L	ND	10.0	10/26/11 05:11	
Benzene	ug/L	ND	1.0	10/26/11 05:11	
Bromochloromethane	ug/L	ND	1.0	10/26/11 05:11	
Bromodichloromethane	ug/L	ND	1.0	10/26/11 05:11	
Bromoform	ug/L	ND	1.0	10/26/11 05:11	
Bromomethane	ug/L	ND	2.0	10/26/11 05:11	
Carbon disulfide	ug/L	ND	2.0	10/26/11 05:11	
Carbon tetrachloride	ug/L	ND	1.0	10/26/11 05:11	
Chlorobenzene	ug/L	ND	1.0	10/26/11 05:11	
Chloroethane	ug/L	ND	1.0	10/26/11 05:11	
Chloroform	ug/L	ND	1.0	10/26/11 05:11	
Chloromethane	ug/L	ND	1.0	10/26/11 05:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/26/11 05:11	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/26/11 05:11	
Dibromochloromethane	ug/L	ND	1.0	10/26/11 05:11	
Dibromomethane	ug/L	ND	1.0	10/26/11 05:11	
Diisopropyl ether	ug/L	ND	1.0	10/26/11 05:11	
Ethylbenzene	ug/L	ND	1.0	10/26/11 05:11	
Iodomethane	ug/L	ND	5.0	10/26/11 05:11	
m&p-Xylene	ug/L	ND	2.0	10/26/11 05:11	
Methylene Chloride	ug/L	ND	1.0	10/26/11 05:11	
o-Xylene	ug/L	ND	1.0	10/26/11 05:11	
Styrene	ug/L	ND	1.0	10/26/11 05:11	
Tetrachloroethene	ug/L	ND	1.0	10/26/11 05:11	
Toluene	ug/L	ND	1.0	10/26/11 05:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/26/11 05:11	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

METHOD BLANK: 677543 Matrix: Water

Associated Lab Samples: 92104837001, 92104837002, 92104837003, 92104837004, 92104837005, 92104837006, 92104837007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/26/11 05:11	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	10/26/11 05:11	
Trichloroethene	ug/L	ND	1.0	10/26/11 05:11	
Trichlorofluoromethane	ug/L	ND	1.0	10/26/11 05:11	
Vinyl acetate	ug/L	ND	2.0	10/26/11 05:11	
Vinyl chloride	ug/L	ND	1.0	10/26/11 05:11	
1,2-Dichloroethane-d4 (S)	%	114	70-130	10/26/11 05:11	
4-Bromofluorobenzene (S)	%	93	70-130	10/26/11 05:11	
Dibromofluoromethane (S)	%	119	70-130	10/26/11 05:11	
Toluene-d8 (S)	%	96	70-130	10/26/11 05:11	

LABORATORY CONTROL SAMPLE: 677544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.0	108	70-130	
1,1,1-Trichloroethane	ug/L	50	51.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	70-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethene	ug/L	50	53.5	107	70-132	
1,2,3-Trichloropropane	ug/L	50	48.6	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.2	100	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	70-130	
1,2-Dichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dichloroethane	ug/L	50	53.5	107	70-130	
1,2-Dichloropropane	ug/L	50	53.1	106	70-130	
1,4-Dichlorobenzene	ug/L	50	51.6	103	70-130	
2-Butanone (MEK)	ug/L	100	102	102	70-145	
2-Hexanone	ug/L	100	99.1	99	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	97.7	98	50-175	
Acrylonitrile	ug/L	250	253	101	70-143	
Benzene	ug/L	50	52.8	106	70-130	
Bromochloromethane	ug/L	50	50.4	101	70-130	
Bromodichloromethane	ug/L	50	52.6	105	70-130	
Bromoform	ug/L	50	53.4	107	70-130	
Bromomethane	ug/L	50	61.6	123	54-130	
Carbon disulfide	ug/L	50	49.7	99	70-131	
Carbon tetrachloride	ug/L	50	52.2	104	70-132	
Chlorobenzene	ug/L	50	52.0	104	70-130	
Chloroethane	ug/L	50	47.0	94	64-134	
Chloroform	ug/L	50	51.7	103	70-130	
Chloromethane	ug/L	50	50.2	100	64-130	
cis-1,2-Dichloroethene	ug/L	50	50.0	100	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.4	107	70-130	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

LABORATORY CONTROL SAMPLE: 677544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.8	104	70-130	
Dibromomethane	ug/L	50	53.1	106	70-131	
Diisopropyl ether	ug/L	50	48.6	97	70-130	
Ethylbenzene	ug/L	50	54.6	109	70-130	
Iodomethane	ug/L	100	116	116	49-180	
m&p-Xylene	ug/L	100	108	108	70-130	
Methylene Chloride	ug/L	50	47.5	95	63-130	
o-Xylene	ug/L	50	51.7	103	70-130	
Styrene	ug/L	50	52.8	106	70-130	
Tetrachloroethene	ug/L	50	52.2	104	70-130	
Toluene	ug/L	50	53.2	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	50.3	101	70-141	
Trichloroethene	ug/L	50	56.7	113	70-130	
Trichlorofluoromethane	ug/L	50	44.7	89	62-133	
Vinyl acetate	ug/L	100	87.1	87	66-157	
Vinyl chloride	ug/L	50	48.6	97	69-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 677545 677546

Parameter	Units	92104837001 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	62.9	62.9	126	126	70-166	0	30	
Benzene	ug/L	ND	50	50	58.9	59.5	117	119	70-148	1	30	
Chlorobenzene	ug/L	0.60J	50	50	60.4	58.9	120	117	70-146	2	30	
Toluene	ug/L	ND	50	50	57.8	58.1	116	116	70-155	0	30	
Trichloroethene	ug/L	ND	50	50	55.6	55.1	111	110	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						108	110	70-130			
4-Bromofluorobenzene (S)	%						93	92	70-130			
Dibromofluoromethane (S)	%						112	113	70-130			
Toluene-d8 (S)	%						94	94	70-130			

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QUALIFIERS

Project: MADISON CO CLOSEDLF 10/20
Pace Project No.: 92104837

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

LABORATORIES

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

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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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

1503539

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

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

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

Site Location STATE: NC

Section D Required Client Information

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

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

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	RCRA Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92104837
1	MW-01-OLD	WT	G			10/20/11	1317	14	4			X	X						X	X		92104837001
2	MW-02-OLD	WT	G			10/20/11	1055	13	4			X	X						X	X		92104837002
3	MW-03-OLD	WT	G			10/20/11	1220	14	4			X	X						X	X		92104837003
4	MW-04-OLD	WT	G			10/20/11	1150	15	4			X	X						X	X		92104837004
5	BG-SPRING-OLD	WT	G			10/20/11	1352	15	4			X	X						X	X		92104837005
6	SW-01-OLD	WT	G			10/20/11	1016	9	4			X	X						X	X		92104837006
7	SW-02-OLD	WT	G			10/20/11	958	10	4			X	X						X	X		92104837007
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
- VOCs 8260D Low Level	Evan Yurkanich / Altamont	10/20/11	15:01	[signature]	10/20/11	15:07	3.1	Y	Y	Y
- Include MDL and Qualifiers if applicable										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkanich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 10/20/11

*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.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical® www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 20, 2011 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.06	Issuing Authorities: Pace Asheville Quality Office

Client Name: Altamont Project # 92104837

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

Temp Correction Factor: Add / Subtract 0.7 C

Corrected Cooler Temp.: 3.1 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Comments:

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: 10/20

				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	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No		Initial when completed
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes	☐No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):_____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: LP **Date:** 10/21/11 **SRF Review:** LP **Date:** 10/21/11

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

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November 03, 2011

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

RE: Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92104842001	**DW-01**	Water	10/20/11 09:43	10/20/11 15:01
92104842002	**TRIP BLANK LAB**	Water	10/20/11 00:00	10/20/11 15:01

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SAMPLE ANALYTE COUNT

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92104842001	**DW-01**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
92104842002	**TRIP BLANK LAB**	EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Sample: DW-01 **Lab ID: 92104842001** Collected: 10/20/11 09:43 Received: 10/20/11 15:01 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	10/27/11 10:10	10/28/11 00:01	7440-38-2	
Barium	**214**	ug/L	5.0	2.5	1	10/27/11 10:10	10/28/11 00:01	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	10/27/11 10:10	10/28/11 00:01	7440-43-9	
Chromium	ND	ug/L	5.0	2.0	1	10/27/11 10:10	10/28/11 00:01	7440-47-3	
Lead	ND	ug/L	5.0	4.0	1	10/27/11 10:10	10/28/11 00:01	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	10/27/11 10:10	10/28/11 00:01	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	10/27/11 10:10	10/28/11 00:01	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	11/01/11 14:50	11/02/11 12:35	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/29/11 07:05	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/29/11 07:05	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/29/11 07:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/29/11 07:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/29/11 07:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/29/11 07:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/29/11 07:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/29/11 07:05	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/29/11 07:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/29/11 07:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/29/11 07:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/29/11 07:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/29/11 07:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/29/11 07:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/29/11 07:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/29/11 07:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/29/11 07:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/29/11 07:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/29/11 07:05	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/29/11 07:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/29/11 07:05	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/29/11 07:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/29/11 07:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/29/11 07:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/29/11 07:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/29/11 07:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/29/11 07:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/29/11 07:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/29/11 07:05	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		10/29/11 07:05	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/29/11 07:05	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/29/11 07:05	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/29/11 07:05	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/29/11 07:05	75-09-2	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Sample: DW-01 **Lab ID: 92104842001** Collected: 10/20/11 09:43 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/29/11 07:05	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/29/11 07:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/29/11 07:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/29/11 07:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/29/11 07:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/29/11 07:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/29/11 07:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/29/11 07:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/29/11 07:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/29/11 07:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/29/11 07:05	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/29/11 07:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/29/11 07:05	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/29/11 07:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/29/11 07:05	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/29/11 07:05	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		10/29/11 07:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1		10/29/11 07:05	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/29/11 07:05	2037-26-5	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Sample: TRIP BLANK LAB **Lab ID: 92104842002** Collected: 10/20/11 00:00 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		10/29/11 07:30	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		10/29/11 07:30	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		10/29/11 07:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		10/29/11 07:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		10/29/11 07:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		10/29/11 07:30	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		10/29/11 07:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		10/29/11 07:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		10/29/11 07:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		10/29/11 07:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		10/29/11 07:30	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		10/29/11 07:30	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		10/29/11 07:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		10/29/11 07:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		10/29/11 07:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		10/29/11 07:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		10/29/11 07:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		10/29/11 07:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		10/29/11 07:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/29/11 07:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		10/29/11 07:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		10/29/11 07:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		10/29/11 07:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		10/29/11 07:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		10/29/11 07:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		10/29/11 07:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		10/29/11 07:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		10/29/11 07:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		10/29/11 07:30	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		10/29/11 07:30	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/29/11 07:30	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		10/29/11 07:30	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		10/29/11 07:30	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		10/29/11 07:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		10/29/11 07:30	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		10/29/11 07:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		10/29/11 07:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		10/29/11 07:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		10/29/11 07:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		10/29/11 07:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		10/29/11 07:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		10/29/11 07:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		10/29/11 07:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		10/29/11 07:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		10/29/11 07:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		10/29/11 07:30	108-05-4	

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ANALYTICAL RESULTS

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

Sample: TRIP BLANK LAB **Lab ID: 92104842002** Collected: 10/20/11 00:00 Received: 10/20/11 15:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		10/29/11 07:30	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		10/29/11 07:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		10/29/11 07:30	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/29/11 07:30	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		10/29/11 07:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		10/29/11 07:30	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		10/29/11 07:30	2037-26-5	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

QC Batch: MPRP/9292
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 92104842001

METHOD BLANK: 678459
Matrix: Water
Associated Lab Samples: 92104842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	10/27/11 22:26	
Barium	ug/L	ND	5.0	10/27/11 22:26	
Cadmium	ug/L	ND	1.0	10/27/11 22:26	
Chromium	ug/L	ND	5.0	10/27/11 22:26	
Lead	ug/L	ND	5.0	10/27/11 22:26	
Selenium	ug/L	ND	10.0	10/27/11 22:26	
Silver	ug/L	ND	5.0	10/27/11 22:26	

LABORATORY CONTROL SAMPLE: 678460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	503	101	80-120	
Barium	ug/L	500	518	104	80-120	
Cadmium	ug/L	500	493	99	80-120	
Chromium	ug/L	500	496	99	80-120	
Lead	ug/L	500	503	101	80-120	
Selenium	ug/L	500	497	99	80-120	
Silver	ug/L	250	248	99	80-120	

MATRIX SPIKE SAMPLE: 678461

Parameter	Units	92104750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	484	97	75-125	
Barium	ug/L	52.8	500	547	99	75-125	
Cadmium	ug/L	ND	500	482	96	75-125	
Chromium	ug/L	5.2	500	480	95	75-125	
Lead	ug/L	ND	500	480	96	75-125	
Selenium	ug/L	ND	500	492	98	75-125	
Silver	ug/L	ND	250	242	97	75-125	

SAMPLE DUPLICATE: 678462

Parameter	Units	92104750002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	ND		20	
Barium	ug/L	7.4	7.4	0	20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	ND		20	
Lead	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

SAMPLE DUPLICATE: 678462

Parameter	Units	92104750002 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 CLOSEDLF DW 10/20
Pace Project No.: 92104842

QC Batch: MERP/3833
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 92104842001

METHOD BLANK: 680658
Matrix: Water
Associated Lab Samples: 92104842001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/02/11 12:30	

LABORATORY CONTROL SAMPLE: 680659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 680660 680661

Parameter	Units	92104842001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.4	2.4	95	97	75-125	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 680662 680663

Parameter	Units	92105121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.4	2.2	94	87	75-125	7	25	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

QC Batch: MSV/17122
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92104842001, 92104842002

METHOD BLANK: 679525
Matrix: Water
Associated Lab Samples: 92104842001, 92104842002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/29/11 03:16	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/29/11 03:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/29/11 03:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/29/11 03:16	
1,1-Dichloroethane	ug/L	ND	1.0	10/29/11 03:16	
1,1-Dichloroethene	ug/L	ND	1.0	10/29/11 03:16	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/29/11 03:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/29/11 03:16	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/29/11 03:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/29/11 03:16	
1,2-Dichloroethane	ug/L	ND	1.0	10/29/11 03:16	
1,2-Dichloropropane	ug/L	ND	1.0	10/29/11 03:16	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/29/11 03:16	
2-Butanone (MEK)	ug/L	ND	5.0	10/29/11 03:16	
2-Hexanone	ug/L	ND	5.0	10/29/11 03:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/29/11 03:16	
Acetone	ug/L	ND	25.0	10/29/11 03:16	
Acrylonitrile	ug/L	ND	10.0	10/29/11 03:16	
Benzene	ug/L	ND	1.0	10/29/11 03:16	
Bromochloromethane	ug/L	ND	1.0	10/29/11 03:16	
Bromodichloromethane	ug/L	ND	1.0	10/29/11 03:16	
Bromoform	ug/L	ND	1.0	10/29/11 03:16	
Bromomethane	ug/L	ND	2.0	10/29/11 03:16	
Carbon disulfide	ug/L	ND	2.0	10/29/11 03:16	
Carbon tetrachloride	ug/L	ND	1.0	10/29/11 03:16	
Chlorobenzene	ug/L	ND	1.0	10/29/11 03:16	
Chloroethane	ug/L	ND	1.0	10/29/11 03:16	
Chloroform	ug/L	ND	1.0	10/29/11 03:16	
Chloromethane	ug/L	ND	1.0	10/29/11 03:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/29/11 03:16	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/29/11 03:16	
Dibromochloromethane	ug/L	ND	1.0	10/29/11 03:16	
Dibromomethane	ug/L	ND	1.0	10/29/11 03:16	
Diisopropyl ether	ug/L	ND	1.0	10/29/11 03:16	
Ethylbenzene	ug/L	ND	1.0	10/29/11 03:16	
Iodomethane	ug/L	ND	5.0	10/29/11 03:16	
m&p-Xylene	ug/L	ND	2.0	10/29/11 03:16	
Methylene Chloride	ug/L	ND	1.0	10/29/11 03:16	
o-Xylene	ug/L	ND	1.0	10/29/11 03:16	
Styrene	ug/L	ND	1.0	10/29/11 03:16	
Tetrachloroethene	ug/L	ND	1.0	10/29/11 03:16	
Toluene	ug/L	ND	1.0	10/29/11 03:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/29/11 03:16	

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QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

METHOD BLANK: 679525 Matrix: Water

Associated Lab Samples: 92104842001, 92104842002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/29/11 03:16	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	10/29/11 03:16	
Trichloroethene	ug/L	ND	1.0	10/29/11 03:16	
Trichlorofluoromethane	ug/L	ND	1.0	10/29/11 03:16	
Vinyl acetate	ug/L	ND	2.0	10/29/11 03:16	
Vinyl chloride	ug/L	ND	1.0	10/29/11 03:16	
1,2-Dichloroethane-d4 (S)	%	113	70-130	10/29/11 03:16	
4-Bromofluorobenzene (S)	%	95	70-130	10/29/11 03:16	
Dibromofluoromethane (S)	%	119	70-130	10/29/11 03:16	
Toluene-d8 (S)	%	96	70-130	10/29/11 03:16	

LABORATORY CONTROL SAMPLE: 679526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.7	105	70-130	
1,1,1-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.1	98	70-130	
1,1,2-Trichloroethane	ug/L	50	53.5	107	70-130	
1,1-Dichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethene	ug/L	50	50.2	100	70-132	
1,2,3-Trichloropropane	ug/L	50	50.1	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.3	95	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.0	104	70-130	
1,2-Dichlorobenzene	ug/L	50	55.8	112	70-130	
1,2-Dichloroethane	ug/L	50	50.2	100	70-130	
1,2-Dichloropropane	ug/L	50	50.3	101	70-130	
1,4-Dichlorobenzene	ug/L	50	52.0	104	70-130	
2-Butanone (MEK)	ug/L	100	95.2	95	70-145	
2-Hexanone	ug/L	100	93.8	94	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	70-140	
Acetone	ug/L	100	92.7	93	50-175	
Acrylonitrile	ug/L	250	238	95	70-143	
Benzene	ug/L	50	49.8	100	70-130	
Bromochloromethane	ug/L	50	49.4	99	70-130	
Bromodichloromethane	ug/L	50	51.7	103	70-130	
Bromoform	ug/L	50	52.2	104	70-130	
Bromomethane	ug/L	50	38.9	78	54-130	
Carbon disulfide	ug/L	50	41.4	83	70-131	
Carbon tetrachloride	ug/L	50	52.5	105	70-132	
Chlorobenzene	ug/L	50	53.0	106	70-130	
Chloroethane	ug/L	50	41.8	84	64-134	
Chloroform	ug/L	50	48.6	97	70-130	
Chloromethane	ug/L	50	40.6	81	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.8	94	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.8	104	70-130	

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

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

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

QUALITY CONTROL DATA

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

LABORATORY CONTROL SAMPLE: 679526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.3	103	70-130	
Dibromomethane	ug/L	50	54.0	108	70-131	
Diisopropyl ether	ug/L	50	44.6	89	70-130	
Ethylbenzene	ug/L	50	52.8	106	70-130	
Iodomethane	ug/L	100	105	105	49-180	
m&p-Xylene	ug/L	100	107	107	70-130	
Methylene Chloride	ug/L	50	43.6	87	63-130	
o-Xylene	ug/L	50	51.9	104	70-130	
Styrene	ug/L	50	53.0	106	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	51.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	49.1	98	70-141	
Trichloroethene	ug/L	50	57.4	115	70-130	
Trichlorofluoromethane	ug/L	50	43.5	87	62-133	
Vinyl acetate	ug/L	100	95.8	96	66-157	
Vinyl chloride	ug/L	50	47.2	94	69-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 679527 679528

Parameter	Units	92104833004 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	61.5	64.6	123	129	70-166	5	30	
Benzene	ug/L	ND	50	50	55.4	59.6	111	119	70-148	7	30	
Chlorobenzene	ug/L	ND	50	50	58.3	63.4	117	127	70-146	9	30	
Toluene	ug/L	ND	50	50	56.6	60.5	113	121	70-155	7	30	
Trichloroethene	ug/L	ND	50	50	53.2	57.0	106	114	69-151	7	30	
1,2-Dichloroethane-d4 (S)	%						108	107	70-130			
4-Bromofluorobenzene (S)	%						95	94	70-130			
Dibromofluoromethane (S)	%						113	111	70-130			
Toluene-d8 (S)	%						93	92	70-130			

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QUALIFIERS

Project: MADISON CO CLOSEDLF DW 10/20
Pace Project No.: 92104842

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

LABORATORIES

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

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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

1503538

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Joel Lenk
Copy To:
Purchase Order No.:
Project Name: Madison Co. Closed LF
Project Number: 2313.1001

Section C Invoice Information:

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

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

Site Location STATE: NC

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	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	RCRA Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. (92104842)
1	DW-01	WT	G			10/20/11	943	17	4			X	X						X	X		92104842001
2	TRIP BLANK LAB →								2				X						X			92104842002
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- VOCs 8260 Low Level	Evan Yurkovich / Altamont	10/20/11	15:01		10/20/11	15:01	3.1	Y	~	Y
- Include MDL and Qualifiers if applicable										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurkovich
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10/20/11

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

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

Pace Analytical® www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 20, 2011 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.06	Issuing Authorities: Pace Asheville Quality Office

Client Name: Altamont Project # 92104842

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

Temp Correction Factor: Add / Subtract 0.7 C

Corrected Cooler Temp.: 3.1 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/20/11

Optional
Proj. Due Date:
Proj. Name:

		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	
exceptions: VOA coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: LP Date: 10/20/11 **SRF Review:** LP Date: 10/20/11

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

APPENDIX C
Well Abandonment Record
for Domestic Well DW-02

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2113

1. WELL CONTRACTOR:

Rex Meadows
Well Contractor (Individual) Name

Cherokee Well Drilling Inc
Well Contractor Company Name

PO Box 71
Street Address

Hot Springs NC 28743
City or Town State Zip Code

(828) 622-7241
Area code Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) _____

STATE WELL PERMIT # (if applicable) _____

COUNTY WELL PERMIT # (if applicable) _____

DWQ or OTHER PERMIT # (if applicable) _____

WELL USE (Check applicable use) ☐ **Monitoring** ☑ **Residential**

☐ **Municipal/Public** ☐ **Industrial/Commercial** ☐ **Agricultural**

☐ **Recovery** ☐ **Injection** ☐ **Irrigation**

☐ Other (list use) _____

3. WELL LOCATION:

COUNTY Madison QUADRANGLE NAME _____

NEAREST TOWN: Marshall

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☐ Slope ☐ Valley ☐ Flat ☑ Ridge ☐ Other _____

(Check appropriate setting)

LATITUDE ~~35~~ 035 48.0684 DMS OR 3X.XXXXXXXXDD

LONGITUDE ~~78~~ 082 39.1346 DMS OR 7X.XXXXXXXXDD

Latitude/longitude source: ☐GPS ☐Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

4a. FACILITY - The name of the business where the well is located. Complete 4a :
(If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) _____

NAME OF FACILITY _____

STREET ADDRESS _____

City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Joel Edwards

STREET ADDRESS 79 Joey Brady Rd NC 28753

5. WELL DETAILS:

a. Total Depth 385' ft. Diameter: 6 1/4 in.

b. Water Level (Below Measuring Point): 81 ft.

Measuring point is 1 ft. above land surface.

6. CASING:

	Length	Diameter
a. Casing Depth (if known):	50' ft.	6 1/4 in.
b. Casing Removed:	3 ft.	6 1/4 in.

7. DISINFECTION: 14 oz GRANULAR

(Amount of 65%75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement 90 lb.
Water 18 gal.

Sand Cement

Cement _____ lb.
Water _____ gal.

Bentonite

Bentonite lb.

Type: ☐ Slurry ☐ Pellets

Water _____ gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Pressure Pumped Bottom to Top

10. WELL DIAGRAM : Draw a detailed sketch of thewell on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materialsused

11. DATE WELL ABANDONED 8-14-11

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Rex Meadows 8-14-11
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual whopersonallyabandons his/her residential well in accordance with 15A NCAC 2C .0113.)

Rex Meadows
PRINTED NAME OF PERSON ABANDONING THE WE LL

Submit a copy to the owner and the original to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-1617, Phone : (919) 807-6300

Form GW-30
Rev. 5/10