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)
Jackson County Municipal Solid Waste Landfill	US Highway 441 Dillsboro, NC 28725	50-02	.1600	April 13, 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.

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

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

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1906 GEOLOGIST Robert W. Hastings

6/28/2011

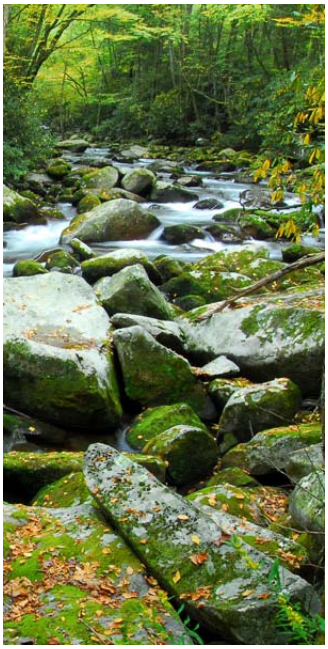
Signature — Date

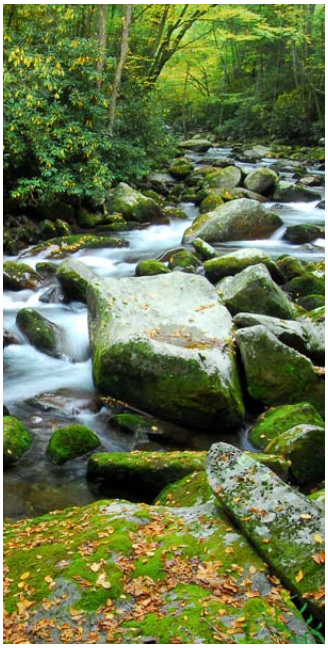
231 Haywood Street, Asheville, North Carolina 28801

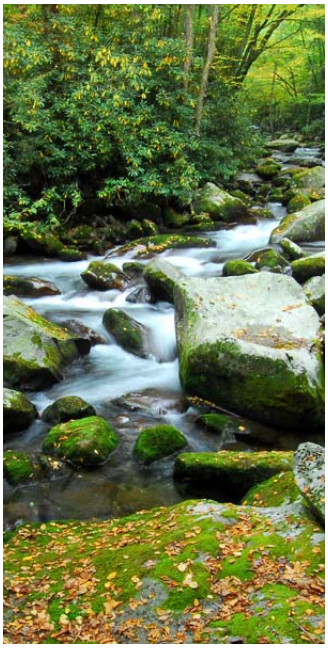
Facility Representative Address

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

Revised 6/2009







ALTAMONT ENVIRONMENTAL, INC.

ENGINEERING & HYDROGEOLOGY

Spring 2011 Semiannual Water Quality Monitoring Report

Jackson County Municipal Solid Waste Landfill

Permit # 50-02

June 28, 2011

Prepared for
Jackson County Solid Waste Department
Project Number 2040.3021

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

Spring 2011 Semiannual Water Quality Monitoring Report

Jackson County Municipal Solid Waste Landfill Permit # 50-02

June 28, 2011

Robert Hastings, P.G.
Project Geologist

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1.0 Introduction

The Jackson County Solid Waste Department maintains a closed Municipal Solid Waste Landfill (MSWLF) located approximately 0.75 miles west of Dillsboro, North Carolina, on the northeast side of Old Dillsboro Road (Old U.S. Highway 74; Figure 1). The water quality monitoring at the landfill is governed by the North Carolina Department of Environment and Natural Resources (DENR), Division of Waste Management (DWM), Solid Waste Section (SWS), under Permit No. 50-02 issued to Jackson County. The landfill permit requires semiannual monitoring of groundwater and surface water quality.

This report serves as the first semiannual water quality monitoring report for 2011 and provides an evaluation of groundwater and surface water quality. The generalized groundwater flow direction in the upper parts of the underlying aquifer system is also provided in the report.

A statistical comparison of historical groundwater data from the compliance monitoring well(s) data is not provided in this report due to the recent change of the regulations. Effective April 1, 2011, per 15A NCAC 13B.1632 (g) performing statistical analysis is no longer mandatory.

The water samples are collected from selected monitoring points during the spring and again in the fall of each year. The analytical suites associated with the current sampling event (Table 1) are as follows:

- Appendix I volatile organic compounds (VOCs)
- Appendix I metals

The spring 2011 sampling event was conducted and is being reported in accordance with requirements stipulated in the North Carolina DENR Solid Waste Management Rules codified under Title 15A Subchapter 13B of the North Carolina Administrative Code (15A NCAC 13B).

This report contains the following information:

- Groundwater and surface water sampling locations
- Depth-to-groundwater measurements and corresponding groundwater elevations in each landfill monitoring well
- Generalized groundwater flow direction in the upper water-bearing unit
- Groundwater and surface water analytical results
- Sampling logs
- Groundwater and surface water quality laboratory analytical reports with chain-of-custody forms

2.0 Semiannual Monitoring

2.1 Monitoring Well and Surface Water Sampling

The closed MSWLF monitoring wells (MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, and MW-07) and surface water sample locations (SW-01 and SW-02) were sampled on April 13, 2011 by Altamont Environmental, Inc. (Altamont). 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 is identified on the tables as 5002-MW01. In the figures, however, the identification of a well consists of the name of the well without the permit number for the facility. The monitoring wells, domestic water wells, and surface water sample locations are depicted on Figure 2. Also shown is the location of MW-07, a new bedrock well installed in July 2010. Details of this well were reported to DENR in the September 7, 2010 *Assessment of Corrective Measures*. This well was first included in the spring 2011 semiannual sampling event.

2.2 Monitoring Well Purging and Sampling Methods

Prior to sampling the monitoring wells, the static water level was gauged in each well and an initial round of field parameters consisting of pH, specific conductivity, dissolved oxygen (DO), turbidity, temperature, and oxidation reduction potential (ORP) was measured. Static water level measurements and field parameter data are included in Table 2. Well sampling logs are included in Appendix A.

Altamont personnel used a bladder pump or disposable bailer at each monitoring well to purge the well and collect a groundwater sample. Total depth, condition of the casing, and the groundwater recharge rate determined the purging and sample collection method employed at each monitoring well.

2.2.1 Monitoring Well MW-05

The casing of monitoring well MW-05 is bent and the downhole pump used for the low-flow sampling could not be lowered to the appropriate depth to collect a groundwater sample. Altamont personnel used a disposable polyethylene bailer to purge three well volumes and subsequently collect a groundwater sample. Care was taken during the bailing to minimize agitation of the water within the well. Based upon Altamont's experience, the turbidity value associated with the sample measured at 0.00 nephelometric turbidity units [NTUs] is relatively low for a bailed well. Specific conductivity, pH, DO, turbidity, ORP, and temperature were recorded after each well volume was purged.

2.2.2 Remaining Monitoring Wells

A bladder pump and low-flow techniques were used to purge and sample the remaining monitoring wells, MW-01, MW-02, MW-03, MW-04, MW-06, and MW-07. The monitoring wells were purged using low-flow techniques in accordance with the procedures described in the US Environmental Protection Agency's (EPA's) *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (EPA, 1996). During purging, the pH, specific conductivity, dissolved oxygen, ORP, turbidity, and temperature were measured and recorded approximately every three minutes. Well purging continued until these parameters generally stabilized for three consecutive readings. The required stabilization criteria were as follows:

- pH values within +/- 0.1 unit
- Specific conductivity values within +/- 5 percent
- Temperature, dissolved oxygen, and turbidity values within +/- 10 percent
- ORP values within +/- 10 millivolts

Once the parameters had stabilized, a groundwater sample was collected using laboratory-supplied sample bottles by a technician wearing a new pair of nitrile gloves.

2.2.3 Surface Water Sampling Methods

Surface water samples SW-01 and SW-02 were collected at designated locations from the Tuckasegee River, which is adjacent to the landfill to the southwest. Surface water sample SW-01 is representative of surface water quality upstream of the landfill; SW-02 is representative of surface water quality downstream from the landfill. One round of field parameters, consisting of temperature, pH, specific conductivity, DO, ORP, and turbidity, were measured and recorded at each surface-water sampling location prior to collecting the sample (Table 2). The surface water samples were collected in laboratory-provided sample containers by a technician wearing a new pair of nitrile gloves.

2.3 Sample Handling, Documentation, and Analysis

Field parameters and additional observations pertaining to the MSWLF sampling locations are provided on sampling logs (Appendix A). Following sample collection, each groundwater and surface water sample was immediately placed on ice in a sample cooler for transport to Pace Analytical Laboratories (Pace), a North Carolina certified laboratory located in Asheville, North Carolina. The surface water samples and the groundwater samples collected from the monitoring wells were analyzed for the following parameters:

- Appendix I metals using EPA Methods 6010, 6020, and 7470
- Appendix I VOCs using EPA Method 8260

Proper chain-of-custody documentation procedures were followed during collection and transportation of each sample (Appendix B). A trip blank was included in the sample cooler and analyzed for Appendix I VOCs. The laboratory analytical reports are provided in Appendix B. Laboratory analyses performed on the samples are summarized in Table 1.

3.0 Findings

3.1 Analytical Results

The laboratory analytical results for the groundwater samples (from monitoring wells MW-01 through MW-07) and surface water samples (SW-01 and SW-02) collected at the MSWLF are summarized in Table 2. This table is presented in the Electronic Data Deliverable (EDD) format specified by a DENR DWM SWS memorandum dated October 27, 2006 (DENR, 2006). The laboratory analytical reports issued by Pace and chain-of-custody forms are included in Appendix B.

As stipulated in the DENR memo (DENR, 2006), all laboratory analytical results were reported and appropriately qualified. Non-detections (non-detects), which are values reported by the laboratory as below method detection limits (MDLs), are tabulated on Table 2 at MDL levels, and are qualified with the "U" qualifier. The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99 percent confidence that the constituent concentration is greater than zero. All detections (values above the MDL) were compared to constituent-specific Solid Waste Section Limits (SWSLs) established by DENR. The SWSL is defined as the lowest concentration of a constituent in a sample that can be quantitatively determined with suitable precision and accuracy. 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. 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). Detected concentrations of constituents below the applicable SWSLs are summarized in Table 2. They are not, however, reported in the text of this report, unless they exceed their applicable North Carolina water quality standards (defined below).

Detected concentrations of constituents in groundwater samples were compared to the applicable North Carolina groundwater quality standards. For most constituents, this standard is the 2L Standard, from 15A NCAC 2L.0202. Detected concentrations of constituents in groundwater with no established 2L Standard were compared to the Groundwater Protection Standards (GWPSs) pursuant to 15A NCAC 13B.1634.

Surface water sample detections were compared to the standards presented in 15A NCAC 2B (2B Standard).

3.1.1 Groundwater Monitoring Wells

Analytical results for groundwater samples collected from the monitoring wells are discussed below.

3.1.1.1 Appendix I Metals

Five metals (barium, cadmium, cobalt, mercury, and zinc) were detected in samples collected from one or more of the monitoring wells at concentrations above the associated SWSLs (Table 3), as follows:

- Barium (SWSL=100 micrograms per liter [µg/L]) at 112 µg/L in MW-01, at 154 µg/L in MW-03, at 257 µg/L in MW-04, at 195 µg/L in MW-05, and at 289 µg/L in MW-07
- Cadmium (SWSL=1 µg/L) at 2.1 µg/L in MW-05
- Cobalt (SWSL=10 µg/L) at 148 µg/L in MW-01, at 15.3 µg/L in MW-02, at 37.8 µg/L in MW-03, at 10.4 µg/L in MW-05, at 150 µg/L in MW-06
- Mercury (SWSL=0.2 µg/L) at 0.33 µg/L in MW-04
- Zinc (SWSL=10 µg/L) at 70.7 µg/L in MW-02, at 19.8 µg/L in MW-03, at 34.1 µg/L in MW-04, at 52.7 µg/L in MW-06, and at 18.5 µg/L in MW-07

Four metals (cobalt cadmium, thallium, and vanadium) were detected in samples collected from one or more of the monitoring wells at concentrations above their associated GWPSs or 2L Standards (Table 4), as follows:

- Cobalt (GWPS=1 µg/L) at 148 µg/L in MW-01, at 15.3 µg/L in MW-02, at 37.8 µg/L in MW-03, at 2.7 J µg/L in MW-04, at 10.4 µg/L in MW-05, at 150 µg/L in MW-06, and at 3.7 J µg/L in MW-07
- Cadmium (2 L Standard=2 µg/L) at 2.1 µg/L in MW-05
- Thallium (GWPS=0.28 µg/L) at 0.73 *J* µg/L in MW-01
- Vanadium (GWPS=0.3 µg/L) at 1.4 J µg/L in MW-07

3.1.1.2 Appendix I VOCs

Six VOCs (1,1-dichloroethane, 1,4-dichlorobenzene, benzene, chlorobenzene, cis-1,2-dichloroethene, and vinyl chloride) were detected at concentrations above their respective SWSLs (Table 3), as follows:

- 1,1-dichloroethane (SWSL=5 µg/L) at 5.0 µg/L in MW-01
- 1,4-dichlorobenzene (SWSL=1 µg/L) at 4.6 µg/L in MW-06, and at 3.7 µg/L in MW-07
- Benzene (SWSL=1 µg/L) at 2.7 µg/L in MW-01, at 1.5 µg/L in MW-05, at 1.8 µg/L in MW-06, and at 1.1 µg/L in MW-07
- Chlorobenzene (SWSL=3 µg/L) at 3.3 µg/L in MW-01, at 3.3 µg/L in MW-03, at 3.1 µg/L in MW-04, at 8.3 µg/L in MW-05, and at 4.9 µg/L in MW-07
- cis-1,2-dichloroethene (SWSL=5 µg/L) at 7.7 µg/L in MW-01, at 17.8 µg/L in MW-05, at 5.4 µg/L in MW-06, and 8.7 µg/L in MW-07
- Vinyl chloride (SWSL=1 µg/L) at 1.1 µg/L in MW-05

Two VOCs (benzene, and vinyl chloride) were detected at concentrations above their respective 2L Standards (Table 4), as follows:

- Benzene (2L Standard=1 µg/L) at 2.7 µg/L in MW-01, at 1.5 µg/L in MW-05, at 1.8 µg/L in MW-06, and at 1.1 µg/L in MW-07
- Vinyl chloride (2L Standard=0.03 µg/L) at 1.1 µg/L in MW-05

3.1.2 Surface Water

The following statements summarize detections of Appendix I metals and Appendix I VOCs in the two surface water samples collected during the April 2011 sampling event.

3.1.2.1 Appendix I Metals

Metals were not detected in either of the surface water samples collected during the spring 2011 monitoring event.

3.1.2.2 Appendix I VOCs

VOCs were not detected in either of the surface water samples (SW-01 and SW-02).

3.2 Hydrogeology

Groundwater quality in the saprolite and bedrock is monitored at the MSWLF. Three bedrock monitoring wells, MW-01, MW-02, and MW-06, are located in the northern and northwestern portions of the site (Figure 3 and Table 5). As discussed previously, a new bedrock monitoring well (MW-07) has been installed (Figure 3) to the southwest of the landfill. These four bedrock wells were used to determine bedrock flow directions in spring 2011.

Monitoring wells MW-03, MW-04, and MW-05 (Figure 3), located in the central, southwest, and southern parts of the landfill, are completed in the saprolite (including partially weathered rock [PWR]) water-bearing zone). Water-level data collected from these monitoring wells (Table 5) indicate that groundwater flow direction in the saprolite and PWR is generally to the southwest, toward the Tuckasegee River (Figure 3).

3.3 Statistical Evaluation

A statistical comparison of historical groundwater data from the compliance monitoring well(s) data is not provided in this report due to the recent change of the regulations. Effective April 1, 2011, per 15A NCAC 13B.1632(g), performing statistical analysis is no longer mandatory.

4.0 Summary

The first semiannual groundwater monitoring event of 2011 was conducted on April 13, 2011 at the Jackson County MSWLF.

4.1 Groundwater—Monitoring Wells

4.1.1 Appendix I Metals

Four metals (cadmium, cobalt, thallium, and vanadium) were detected at concentrations above their respective 2L Standard or GWPS in the groundwater samples collected from one or more of the monitoring wells during the spring 2011 water quality monitoring event.

Cadmium was detected in the groundwater sample collected from MW-05 at 2.1 µg/L, which is above its 2L Standard of 2 µg/L. Historically cadmium has been detected in the groundwater, above its water quality standard, with the last exceedance recorded in April 2009 at 3.4 µg/L in well MW-05.

Cobalt was detected in all seven groundwater samples at concentrations ranging between 2.7 J µg/L (the lowest) detected in MW-04 to 150 µg/L (the highest) in MW-06, exceeding its GWPS of 1 µg/L.

Thallium was only detected in the groundwater sample collected from monitoring well MW-01 at a concentration of 0.73 *J* µg/L in excess of its GWPS (0.28 µg/L). Historically, thallium has not been detected above its water quality standard in any of the groundwater monitoring wells.

Vanadium was detected in the groundwater sample collected from MW-07 (the most recently installed monitoring well) at 1.4 J µg/L. The last exceedance of vanadium was recorded in October 2008, in the groundwater sample collected from well MW-05 at 5.3 µg/L.

The turbidity of the samples measured at levels between 0.00 NTUs (for most of the wells) to 12.41 NTUs measured in MW-07.

4.1.2 Appendix I VOCs

Two VOCs (benzene and vinyl chloride) were detected at concentrations above their 2L Standards in groundwater samples collected from the monitoring wells.

Concentrations of benzene detected in four groundwater samples exceeded the compound's 2L Standard of 1 µg/L. The detected concentrations ranged from the lowest concentration at 1.1 µg/L in well MW-07 to the highest concentration at 2.7 µg/L detected in well MW-01 groundwater sample.

Vinyl chloride was detected at a concentration exceeding its 2L Standard (0.03 µg/L) in one groundwater sample (MW-05 at 1.1 µg/L). Since the October 2007 sampling event, vinyl chloride has been present in the groundwater samples collected from well MW-05 above its water quality standard. The current detected concentration is lower than the concentration detected in October 2010.

A review of historical groundwater data indicates that four volatile organic compounds (1,1-dichloroethane, 1,4-dichlorobenzene, benzene, and vinyl chloride) have been detected at comparable concentrations for the past several years. Historical surface water samples from the Tuckasegee River, which likely receives discharge from the saprolite groundwater bearing zone, have consistently shown no detections of these compounds, or any other VOCs.

4.2 Surface Water

Metals and VOCs were not present in the surface water samples collected from SW-01 (upstream of the landfill) and SW-02 (downstream of the landfill) locations.

On the basis of these data it appears that the groundwater likely discharging from under the landfill into the Tuckasegee River is not impacting the surface water quality in the Tuckasegee River with regard to metals and VOCs.

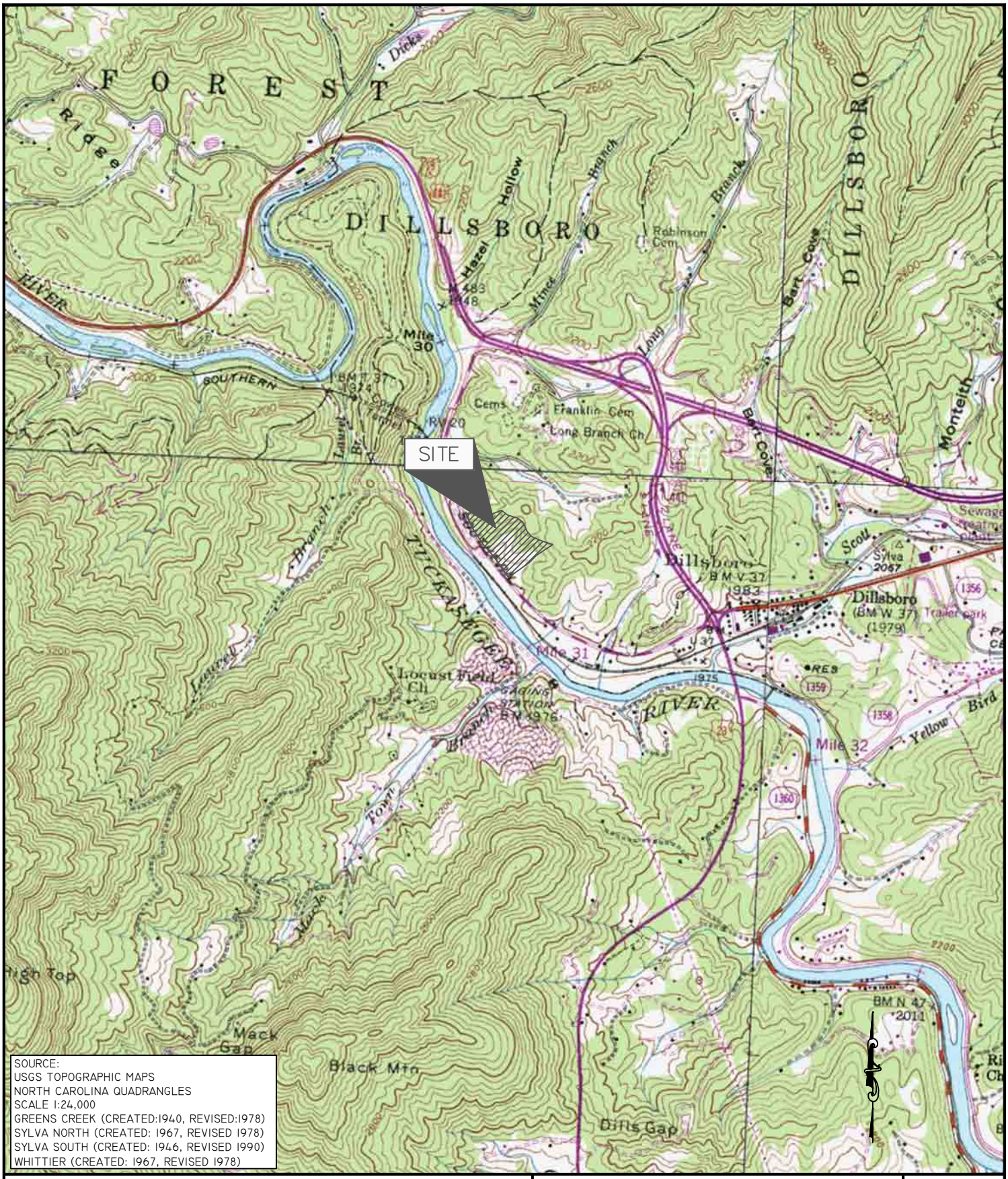
Altamont will continue to monitor the water quality on a semiannual basis at the MSWLF. The next semiannual sampling event is scheduled for October 2011.

5.0 References

North Carolina Department of Environment and Natural Resources (DENR), Division of Waste Management, Solid Waste Section. 2006. Memorandum to SW Director/County Manager/Consultant/Laboratory, *Re: New Guidelines for Electronic Submittal of Environmental Monitoring Data,* dated October 27, 2006.

U. S. Environmental Protection Agency (EPA). 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, OSWER, EPA/540/S-95/504.

FIGURES



ALTAMONT ENVIRONMENTAL, INC.

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WWW.ALTAMONTENVIRONMENTAL.COM

SITE LOCATION MAP

JACKSON COUNTY MUNICIPAL
SOLID WASTE LANDFILL

JACKSON COUNTY, NORTH CAROLINA

FIGURE

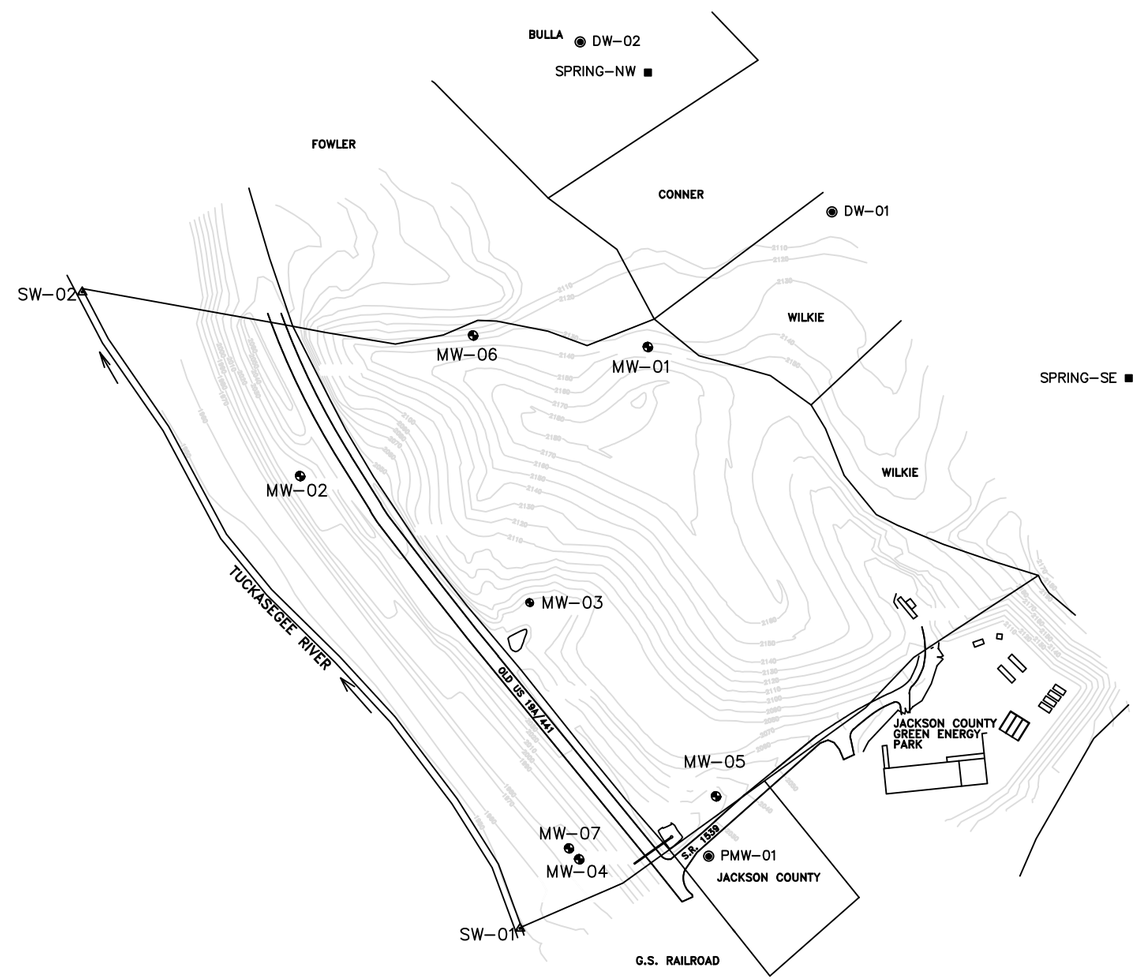
1

DRAWN BY: MARTA VANDUSSEN
PROJECT MANAGER: CHRIS GILBERT
CLIENT: JACKSON COUNTY
DATE: 05/24/2011 UPDATE

SCALE (FEET)

1000 0 1000 2000

P:\JACKSON COUNTY\DILLSBORO GW\FIGURES\CAD\2010\ FIGURE 1



LEGEND:

MW-01	MONITORING WELL LOCATION
SW-1	SURFACE WATER SAMPLE LOCATION
DW-01	APPROXIMATE DOMESTIC WATER SUPPLY WELL LOCATION
PMW-01	PRIVATE MONITORING WELL LOCATION
SPRING-NW	SPRING LOCATION
FOWLER	PROPERTY OWNER SURNAME

NOTE:

1. TOPOGRAPHIC CONTOURS WERE ACQUIRED FROM A McGILL ASSOCIATES DRAWING AND ARE FOR REPRESENTATIVE PURPOSES ONLY.
2. LOCATIONS OF DOMESTIC WATER SUPPLY WELLS DW-01 AND DW-02 ARE APPROXIMATE.

REV.	DATE	DESCRIPTION	BY	CHK	APV
12	05-24-11	UPDATE	MAV		
11	11-02-09	UPDATE	KRM	APM	
10	06-01-09	UPDATE	MAV		
9	06-09-08	UPDATE	KRM	JDH	
8	01-24-08	UPDATE	KRM	JDH	
7	11-03-06	NEW TITLE BLOCK	JK	CFG	
...	...	...	...	...	
2	05-13-02	UPDATE	SEK	JSM	
1	11-12-01	ORIGINAL	JMC	JPM	

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WWW.ALTAMONTENVIRONMENTAL.COM

DRAWN BY: KATIE MASSIE
PROJECT MANAGER: CHRIS GILBERT
CLIENT: JACKSON COUNTY
DATE: 11/12/2001

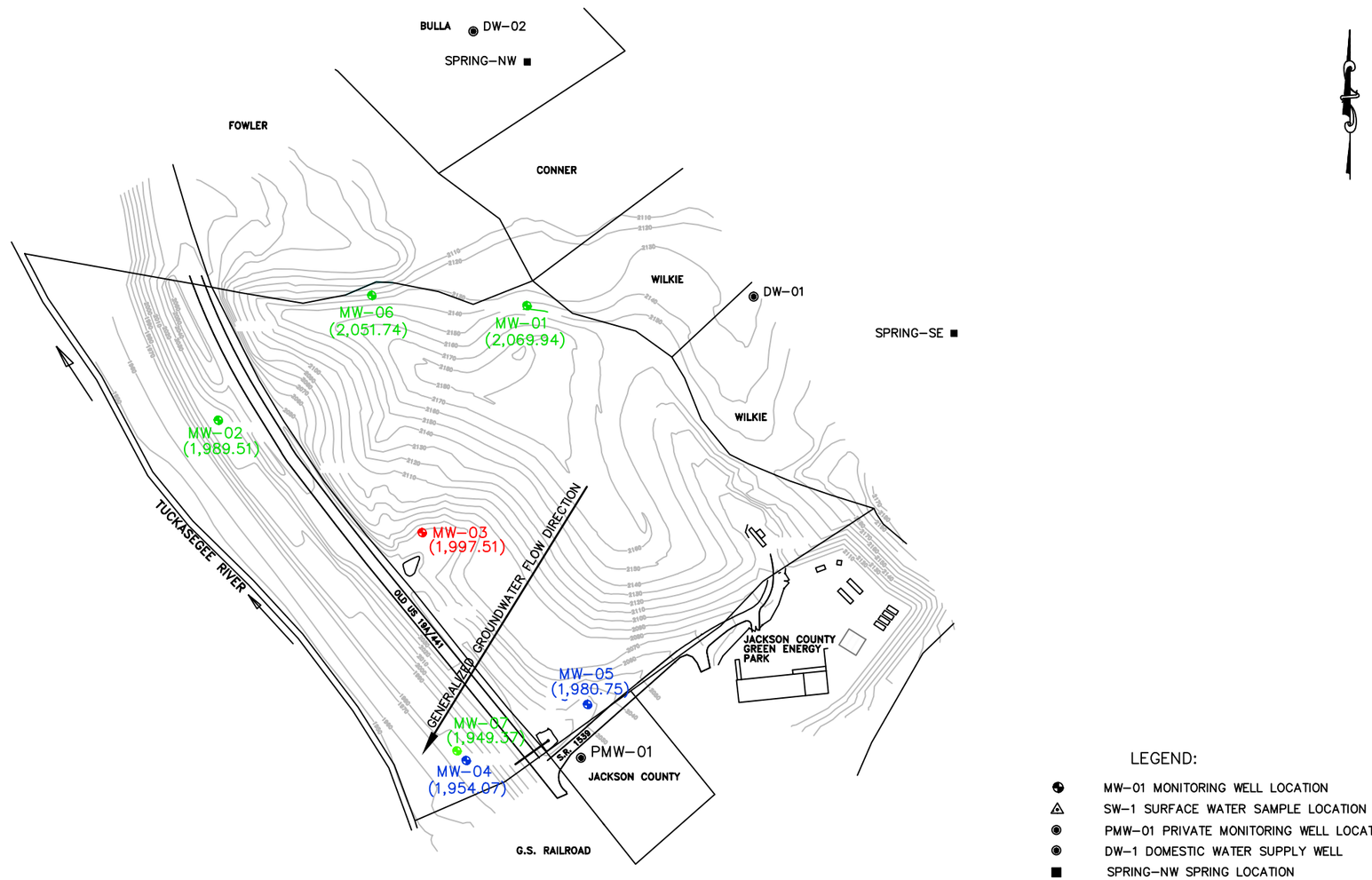
SCALE (FEET)
150 0 150 300

MONITORING WELL LOCATION MAP

JACKSON COUNTY MUNICIPAL SOLID WASTE LANDFILL
JACKSON COUNTY, NORTH CAROLINA

FIGURE 2

P:\JACKSON COUNTY\DILLSBORO GW\FIGURES\CAD\SPRING\FIGURE 2



LEGEND:

- MW-01 MONITORING WELL LOCATION
- SW-1 SURFACE WATER SAMPLE LOCATION
- PMW-01 PRIVATE MONITORING WELL LOCATION
- DW-1 DOMESTIC WATER SUPPLY WELL
- SPRING-NW SPRING LOCATION
- (2066.53) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL ON APRIL 13, 2011
- FOWLER PROPERTY OWNER SURNAME
- SAPROLITE MONITORING WELL LOCATION
- PARTIALLY WEATHERED ROCK MONITORING WELL LOCATION
- BEDROCK MONITORING WELL LOCATION

NOTE:

1. TOPOGRAPHIC CONTOURS ARE OBTAINED FROM McGILL ASSOCIATES AND ARE FOR REPRESENTATIVE PURPOSES ONLY.
2. GROUNDWATER FLOW DIRECTION BASED ON GROUNDWATER ELEVATIONS IN FEET IN MONITORING WELLS MW-03, MW-04, AND MW-05 CALCULATED BASED ON DEPTH TO WATER MEASURED ON APRIL 13, 2011.
3. GROUNDWATER ELEVATIONS AND FLOW DIRECTION ARE UPDATED ON A SEMI-ANNUAL BASIS EVERY APRIL AND OCTOBER FOLLOWING THE SAMPLE COLLECTION EVENTS.

REV.	DATE	DESCRIPTION	BY	CHK	APV
6	06-18-11	UPDATE	MVD	AKB	CFG
5	11-11-09	UPDATE	KRM	APM	
4	06-01-09	UPDATE	MAV	JDH	
3	06-09-08	UPDATE	KM	JDH	
2	10-30-06	NEW TITLE BLOCK	JK	JDH	
1	11-12-01	ORIGINAL	JMC	JPM	

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CLIENT: JACKSON COUNTY
DATE: 05/24/2011 UPDATE

SCALE (FEET)
150 0 150 300

GENERALIZED GROUNDWATER FLOW DIRECTION

SAPROLITE AND PARTIALLY WEATHERED BEDROCK ZONES

JACKSON COUNTY MUNICIPAL SOLID WASTE LANDFILL
JACKSON COUNTY, NORTH CAROLINA

FIGURE 3

P:\JACKSON COUNTY\DILLSBORO GW\FIGURES\CAD\2011\SPRING\FIGURE 3

TABLES

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

GROUNDWATER SAMPLES			
WELL ID	COLLECT DATE	Appendix I Metals	Appendix I VOCs
		EPA 6010 EPA 6020 EPA 7470	EPA 8260
5002-MW01	04/13/2011	X	X
5002-MW02	04/13/2011	X	X
5002-MW03	04/13/2011	X	X
5002-MW04	04/13/2011	X	X
5002-MW05	04/13/2011	X	X
5002-MW06	04/13/2011	X	X
5002-MW07	04/13/2011	X	X
5002-TRIPBLANK	04/13/2011		X
SURFACE WATER SAMPLES			
SAMPLE NAME	COLLECT DATE	Appendix I Metals	Appendix I VOCs
		EPA 6010 EPA 6020 EPA 7470	EPA 8260
5002-SW01	04/13/2011	X	X
5002-SW02	04/13/2011	X	X

Notes:
VOCs = volatile organic compounds

Table 2
Analytical Data and Field Parameters - April 2011
Jackson County Municipal Solid Waste Landfill, Jackson 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
50-02	5002-MW01	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-39-3	15	Barium	112	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-41-7	23	Beryllium	0.16	ug/L	J	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-47-3	51	Chromium	0.4	ug/L	U	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-48-4	53	Cobalt	**148**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-50-8	54	Copper	1.9	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/15/2011	04/15/2011	40
50-02	5002-MW01	7440-02-0	152	Nickel	11.3	ug/L	J	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-28-0	194	Thallium	**0.73**	ug/L	*J*	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW01	7440-62-2	209	Vanadium	0.2	ug/L	U	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-66-6	213	Zinc	7.8	ug/L	J	EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-34-3	75	1,1-Dichloroethane	5.0	ug/L		EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	71-43-2	16	Benzene	**2.7**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	108-90-7	39	Chlorobenzene	3.3	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12

Table 2
Analytical Data and Field Parameters - April 2011
Jackson County Municipal Solid Waste Landfill, Jackson 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
50-02	5002-MW01	74-87-3	137	Chloromethane	0.12	ug/L	J	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	156-59-2	78	cis-1,2-Dichloroethene	7.7	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	79-01-6	201	Trichloroethene	0.97	ug/L	J	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	7782-44-7	356	Dissolved Oxygen	0.44	mg/L							04/13/2011			
50-02	5002-MW01	SW336	336	Oxidation Reduction Potential	-16.8	mV							04/13/2011			
50-02	5002-MW01	SW320	320	pH	5.71	SU							04/13/2011			
50-02	5002-MW01	SW323	323	Specific Conductivity	232	µS							04/13/2011			
50-02	5002-MW01	SW325	325	Temperature	15.62	°C							04/13/2011			
50-02	5002-MW01	SW330	330	Turbidity	0.00	NTU							04/13/2011			
50-02	5002-MW01	SW318	318	Depth to Water	101.48	ft TOC							04/13/2011			
50-02	5002-MW01	SW411	411	Total Well Depth	110.5	ft bgs										
50-02	5002-MW01	SW328	328	Top of Casing	2,171.42	ft msl										
50-02	5002-MW02	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-39-3	15	Barium	48.5	ug/L	J	EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-47-3	51	Chromium	1.2	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-48-4	53	Cobalt	**15.3**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-50-8	54	Copper	0.95	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/15/2011	04/15/2011	40
50-02	5002-MW02	7440-02-0	152	Nickel	2.9	ug/L	J	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40

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Jackson County Municipal Solid Waste Landfill, Jackson 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
50-02	5002-MW02	7440-28-0	194	Thallium	0.088	ug/L	J	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW02	7440-62-2	209	Vanadium	0.2	ug/L	U	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-66-6	213	Zinc	70.7	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	67-64-1	3	Acetone	6.4	ug/L	J	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	156-59-2	78	cis-1,2-Dichloroethene	0.50	ug/L	J	EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	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
50-02	5002-MW02	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	7782-44-7	356	Dissolved Oxygen	2.69	mg/L							04/13/2011			
50-02	5002-MW02	SW336	336	Oxidation Reduction Potential	20.9	mV							04/13/2011			
50-02	5002-MW02	SW320	320	pH	5.89	SU							04/13/2011			
50-02	5002-MW02	SW323	323	Specific Conductivity	180	µS							04/13/2011			
50-02	5002-MW02	SW325	325	Temperature	17.09	°C							04/13/2011			
50-02	5002-MW02	SW330	330	Turbidity	0.00	NTU							04/13/2011			
50-02	5002-MW02	SW318	318	Depth to Water	25.87	ft TOC							04/13/2011			
50-02	5002-MW02	SW411	411	Total Well Depth	63	ft bgs										
50-02	5002-MW02	SW328	328	Top of Casing	2,015.38	ft msl										
50-02	5002-MW03	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-39-3	15	Barium	154	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-47-3	51	Chromium	1.2	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-48-4	53	Cobalt	**37.8**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-50-8	54	Copper	0.95	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/15/2011	04/15/2011	40
50-02	5002-MW03	7440-02-0	152	Nickel	3.1	ug/L	J	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-28-0	194	Thallium	0.10	ug/L	J	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW03	7440-62-2	209	Vanadium	0.2	ug/L	U	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-66-6	213	Zinc	19.8	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12

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50-02	5002-MW03	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	71-43-2	16	Benzene	0.43	ug/L	J	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	108-90-7	39	Chlorobenzene	3.3	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	156-59-2	78	cis-1,2-Dichloroethene	0.70	ug/L	J	EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW03	7782-44-7	356	Dissolved Oxygen	0.47	mg/L							04/13/2011			
50-02	5002-MW03	SW336	336	Oxidation Reduction Potential	45.9	mV							04/13/2011			
50-02	5002-MW03	SW320	320	pH	5.39	SU							04/13/2011			
50-02	5002-MW03	SW323	323	Specific Conductivity	330	µS							04/13/2011			
50-02	5002-MW03	SW325	325	Temperature	15.88	°C							04/13/2011			

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50-02	5002-MW03	SW330	330	Turbidity	0.00	NTU							04/13/2011			
50-02	5002-MW03	SW318	318	Depth to Water	48.02	ft TOC							04/13/2011			
50-02	5002-MW03	SW411	411	Total Well Depth	65.5	ft bgs										
50-02	5002-MW03	SW328	328	Top of Casing	2,045.53	ft msl										
50-02	5002-MW04	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-39-3	15	Barium	257	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-47-3	51	Chromium	1.3	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-48-4	53	Cobalt	**2.7**	ug/L	**J**	EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-50-8	54	Copper	0.8	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7439-92-1	131	Lead	4.0	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7439-97-6	132	Mercury	0.33	ug/L		EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/15/2011	04/15/2011	40
50-02	5002-MW04	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-28-0	194	Thallium	0.050	ug/L	J	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW04	7440-62-2	209	Vanadium	0.2	ug/L	U	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7440-66-6	213	Zinc	34.1	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	71-43-2	16	Benzene	0.59	ug/L	J	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	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
50-02	5002-MW04	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	108-90-7	39	Chlorobenzene	3.1	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	156-59-2	78	cis-1,2-Dichloroethene	3.9	ug/L	J	EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	7782-44-7	356	Dissolved Oxygen	0.68	mg/L							04/13/2011			
50-02	5002-MW04	SW336	336	Oxidation Reduction Potential	52.4	mV							04/13/2011			
50-02	5002-MW04	SW320	320	pH	5.86	SU							04/13/2011			
50-02	5002-MW04	SW323	323	Specific Conductivity	648	µS							04/13/2011			
50-02	5002-MW04	SW325	325	Temperature	14.56	°C							04/13/2011			
50-02	5002-MW04	SW330	330	Turbidity	0.00	NTU							04/13/2011			
50-02	5002-MW04	SW318	318	Depth to Water	26.70	ft TOC							04/13/2011			
50-02	5002-MW04	SW411	411	Total Well Depth	43.0	ft bgs										
50-02	5002-MW04	SW328	328	Top of Casing	1,980.77	ft msl										
50-02	5002-MW05	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-39-3	15	Barium	195	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-43-9	34	Cadmium	**2.1**	ug/L		EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-47-3	51	Chromium	1.6	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-48-4	53	Cobalt	**10.4**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-50-8	54	Copper	2.2	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40

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50-02	5002-MW05	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/15/2011	04/15/2011	40
50-02	5002-MW05	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW05	7440-62-2	209	Vanadium	0.2	ug/L	U	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-66-6	213	Zinc	7.4	ug/L	J	EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	95-50-1	69	1,2-Dichlorobenzene	0.41	ug/L	J	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	71-43-2	16	Benzene	**1.5**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	108-90-7	39	Chlorobenzene	8.3	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	156-59-2	78	cis-1,2-Dichloroethene	17.8	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12

Table 2
Analytical Data and Field Parameters - April 2011
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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
50-02	5002-MW05	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-01-4	211	Vinyl chloride	**1.1**	ug/L		EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	1330-20-7	346	Xylene (Total)	2.0	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	7782-44-7	356	Dissolved Oxygen	2.84	mg/L							04/13/2011			
50-02	5002-MW05	SW336	336	Oxidation Reduction Potential	-16.11	mV							04/13/2011			
50-02	5002-MW05	SW320	320	pH	6.46	SU							04/13/2011			
50-02	5002-MW05	SW323	323	Specific Conductivity	853	µS							04/13/2011			
50-02	5002-MW05	SW325	325	Temperature	16.28	°C							04/13/2011			
50-02	5002-MW05	SW330	330	Turbidity	0.00	NTU							04/13/2011			
50-02	5002-MW05	SW318	318	Depth to Water	48.22	ft TOC							04/13/2011			
50-02	5002-MW05	SW411	411	Total Well Depth	60.0	ft bgs										
50-02	5002-MW05	SW328	328	Top of Casing	2,028.97	ft msl										
50-02	5002-MW06	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-39-3	15	Barium	97.2	ug/L	J	EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-47-3	51	Chromium	0.4	ug/L	U	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-48-4	53	Cobalt	**150**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-50-8	54	Copper	4.4	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/21/2011	04/21/2011	40
50-02	5002-MW06	7440-02-0	152	Nickel	21.6	ug/L	J	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7782-49-2	183	Selenium	5.0	ug/L	J	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-28-0	194	Thallium	0.16	ug/L	J	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW06	7440-62-2	209	Vanadium	0.2	ug/L	U	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-66-6	213	Zinc	52.7	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-34-3	75	1,1-Dichloroethane	0.85	ug/L	J	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	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
50-02	5002-MW06	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	106-46-7	71	1,4-Dichlorobenzene	4.6	ug/L		EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	67-64-1	3	Acetone	3.1	ug/L	J	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	71-43-2	16	Benzene	**1.8**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	108-90-7	39	Chlorobenzene	1.6	ug/L	J	EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-00-3	41	Chloroethane	1.9	ug/L	J	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	156-59-2	78	cis-1,2-Dichloroethene	5.4	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12

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50-02	5002-MW06	7782-44-7	356	Dissolved Oxygen	1.39	mg/L							04/13/2011			
50-02	5002-MW06	SW336	336	Oxidation Reduction Potential	-30.9	mV							04/13/2011			
50-02	5002-MW06	SW320	320	pH	6.23	SU							04/13/2011			
50-02	5002-MW06	SW323	323	Specific Conductivity	257	µS							04/13/2011			
50-02	5002-MW06	SW325	325	Temperature	14.94	°C							04/13/2011			
50-02	5002-MW06	SW330	330	Turbidity	2.81	NTU							04/13/2011			
50-02	5002-MW06	SW318	318	Depth to Water	87.83	ft TOC							04/13/2011			
50-02	5002-MW06	SW411	411	Total Well Depth	94.0	ft bgs										
50-02	5002-MW06	SW328	328	Top of Casing	2,139.57	ft msl										
50-02	5002-MW07	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-39-3	15	Barium	289	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-47-3	51	Chromium	3.0	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-48-4	53	Cobalt	**3.7**	ug/L	**J**	EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-50-8	54	Copper	1.2	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/21/2011	04/21/2011	40
50-02	5002-MW07	7440-02-0	152	Nickel	2.4	ug/L	J	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-22-4	184	Silver	0.33	ug/L	J	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-MW07	7440-62-2	209	Vanadium	**1.4**	ug/L	**J**	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-66-6	213	Zinc	18.5	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-34-3	75	1,1-Dichloroethane	0.54	ug/L	J	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	106-46-7	71	1,4-Dichlorobenzene	3.7	ug/L		EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	67-64-1	3	Acetone	2.8	ug/L	J	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	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
50-02	5002-MW07	71-43-2	16	Benzene	1.1	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	108-90-7	39	Chlorobenzene	4.9	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	156-59-2	78	cis-1,2-Dichloroethene	8.7	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	96-47-6	408	o-Xylene	0.92	ug/L	J	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	1330-20-7	346	Xylene (Total)	0.92	ug/L	J	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	7782-44-7	356	Dissolved Oxygen	0.71	mg/L							10/26/2010			
50-02	5002-MW07	SW336	336	Oxidation Reduction Potential	5.1	mV							10/26/2010			
50-02	5002-MW07	SW320	320	pH	6.22	SU							10/26/2010			
50-02	5002-MW07	SW323	323	Specific Conductivity	791	µS							10/26/2010			
50-02	5002-MW07	SW325	325	Temperature	15.38	°C							10/26/2010			
50-02	5002-MW07	SW330	330	Turbidity	12.41	NTU							10/26/2010			
50-02	5002-MW07	SW318	318	Depth to Water	31.92	ft TOC							10/26/2010			
50-02	5002-MW07	SW411	411	Total Well Depth	95.0	ft bgs										
50-02	5002-MW07	SW328	328	Top of Casing	1,981.29	ft msl										
50-02	5002-SW01	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-39-3	15	Barium	18.6	ug/L	J	EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40

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50-02	5002-SW01	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-47-3	51	Chromium	0.75	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-48-4	53	Cobalt	0.6	ug/L	U	EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-50-8	54	Copper	1.2	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/26/2011	04/26/2011	40
50-02	5002-SW01	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-SW01	7440-62-2	209	Vanadium	0.78	ug/L	J	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	7440-66-6	213	Zinc	4.8	ug/L	J	EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW01	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12

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50-02	5002-SW01	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW01	7782-44-7	356	Dissolved Oxygen	4.83	mg/L							04/13/2011			
50-02	5002-SW01	SW336	336	Oxidation Reduction Potential	43.5	mV							04/13/2011			
50-02	5002-SW01	SW320	320	pH	6.75	SU							04/13/2011			
50-02	5002-SW01	SW323	323	Specific Conductivity	34	µS							04/13/2011			
50-02	5002-SW01	SW325	325	Temperature	11.91	°C							04/13/2011			
50-02	5002-SW01	SW330	330	Turbidity	0.78	NTU							04/13/2011			
50-02	5002-SW02	7440-36-0	13	Antimony	2.6	ug/L	U	EPA 6010	2.6	5.0	6	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-38-2	14	Arsenic	2.7	ug/L	U	EPA 6010	2.7	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-39-3	15	Barium	20.9	ug/L	J	EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-41-7	23	Beryllium	0.1	ug/L	U	EPA 6010	0.1	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-47-3	51	Chromium	1.6	ug/L	J	EPA 6010	0.4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-48-4	53	Cobalt	1.3	ug/L	J	EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-50-8	54	Copper	1.6	ug/L	J	EPA 6010	0.3	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7439-92-1	131	Lead	4	ug/L	U	EPA 6010	4	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7439-97-6	132	Mercury	0.1	ug/L	U	EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/26/2011	04/26/2011	40
50-02	5002-SW02	7440-02-0	152	Nickel	1.7	ug/L	U	EPA 6010	1.7	5.0	50	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7782-49-2	183	Selenium	3.8	ug/L	U	EPA 6010	3.8	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-22-4	184	Silver	0.1	ug/L	U	EPA 6010	0.1	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-28-0	194	Thallium	0.05	ug/L	U	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	04/20/2011	530
50-02	5002-SW02	7440-62-2	209	Vanadium	1.6	ug/L	J	EPA 6010	0.2	5.0	25	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	7440-66-6	213	Zinc	6.6	ug/L	J	EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-SW02	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	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
50-02	5002-SW02	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12

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50-02	5002-SW02	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-SW02	7782-44-7	356	Dissolved Oxygen	2.72	mg/L							04/13/2011			
50-02	5002-SW02	SW336	336	Oxidation Reduction Potential	9.3	mV							04/13/2011			
50-02	5002-SW02	SW320	320	pH	6.61	SU							04/13/2011			
50-02	5002-SW02	SW323	323	Specific Conductivity	32	µS							04/13/2011			
50-02	5002-SW02	SW325	325	Temperature	13.66	°C							04/13/2011			
50-02	5002-SW02	SW330	330	Turbidity	3.82	NTU							04/13/2011			
50-02	5002-TripBlank	630-20-6	190	1,1,1,2-Tetrachloroethane	0.33	ug/L	U	EPA 8260	0.33	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	79-34-5	191	1,1,2,2-Tetrachloroethane	0.4	ug/L	U	EPA 8260	0.4	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	96-18-4	206	1,2,3-Trichloropropane	0.41	ug/L	U	EPA 8260	0.41	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	96-12-8	67	1,2-Dibromo-3-chloropropane	2.5	ug/L	U	EPA 8260	2.5	5.0	13	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	106-93-4	68	1,2-Dibromoethane (EDB)	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	107-06-2	76	1,2-Dichloroethane	0.12	ug/L	U	EPA 8260	0.12	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	78-93-3	141	2-Butanone (MEK)	0.96	ug/L	U	EPA 8260	0.96	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.33	ug/L	U	EPA 8260	0.33	5.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	67-64-1	3	Acetone	2.2	ug/L	U	EPA 8260	2.2	25.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10.0	200	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-27-4	29	Bromodichloromethane	0.18	ug/L	U	EPA 8260	0.18	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	156-59-2	78	cis-1,2-Dichloroethene	0.19	ug/L	U	EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	10061-01-5	86	cis-1,3-Dichloropropene	0.13	ug/L	U	EPA 8260	0.13	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	124-48-1	66	Dibromochloromethane	0.21	ug/L	U	EPA 8260	0.21	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1.0	10	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5.0	10	1	04/13/2011		04/23/2011	12

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50-02	5002-TripBlank	SW359	359	m&p-Xylene	0.66	ug/L	U	EPA 8260	0.66	2.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	96-47-6	408	o-Xylene	0.23	ug/L	U	EPA 8260	0.23	1.0	NE	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	156-60-5	79	trans-1,2-Dichloroethene	0.49	ug/L	U	EPA 8260	0.49	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	10061-02-6	87	trans-1,3-Dichloropropene	0.26	ug/L	U	EPA 8260	0.26	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	110-57-6	73	trans-1,4-Dichloro-2-butene	1	ug/L	U	EPA 8260	1	1.0	100	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-69-4	203	Trichlorofluoromethane	0.2	ug/L	U	EPA 8260	0.2	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2.0	50	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-TripBlank	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2.0	5	1	04/13/2011		04/23/2011	12

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
3. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the analytical report.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Method Reporting Limit (MRL) and the Solid Waste Section Limit (SWSL). An italicized *J* -flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than MDL and the laboratory's MRL but less than the SWSL.
7. "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.
8. "Dilution Factor" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed, then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
13. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on November 30, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 3
Solid Waste Section Limit Exceedance Notification
Jackson County Municipal Solid Waste Landfill, Jackson 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
50-02	5002-MW01	7440-39-3	15	Barium	112	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	7440-48-4	53	Cobalt	**148**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW01	75-34-3	75	1,1-Dichloroethane	5.0	ug/L		EPA 8260	0.32	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	71-43-2	16	Benzene	**2.7**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	108-90-7	39	Chlorobenzene	3.3	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW01	156-59-2	78	cis-1,2-Dichloroethene	7.7	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW02	7440-48-4	53	Cobalt	**15.3**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW02	7440-66-6	213	Zinc	70.7	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-39-3	15	Barium	154	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-48-4	53	Cobalt	**37.8**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	7440-66-6	213	Zinc	19.8	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW03	108-90-7	39	Chlorobenzene	3.3	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW04	7440-39-3	15	Barium	257	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	7439-97-6	132	Mercury	0.33	ug/L		EPA 7470	0.1	0.20	0.2	1	04/13/2011	04/15/2011	04/15/2011	40
50-02	5002-MW04	7440-66-6	213	Zinc	34.1	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW04	108-90-7	39	Chlorobenzene	3.1	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	7440-39-3	15	Barium	195	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-43-9	34	Cadmium	**2.1**	ug/L		EPA 6010	0.5	1.0	1	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	7440-48-4	53	Cobalt	**10.4**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW05	71-43-2	16	Benzene	**1.5**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	108-90-7	39	Chlorobenzene	8.3	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	156-59-2	78	cis-1,2-Dichloroethene	17.8	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW05	75-01-4	211	Vinyl chloride	**1.1**	ug/L		EPA 8260	0.62	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	7440-48-4	53	Cobalt	**150**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	7440-66-6	213	Zinc	52.7	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW06	106-46-7	71	1,4-Dichlorobenzene	4.6	ug/L		EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	71-43-2	16	Benzene	**1.8**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW06	156-59-2	78	cis-1,2-Dichloroethene	5.4	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	7440-39-3	15	Barium	289	ug/L		EPA 6010	0.2	5.0	100	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	7440-66-6	213	Zinc	18.5	ug/L		EPA 6010	0.4	10.0	10	1	04/13/2011	04/21/2011	04/25/2011	40
50-02	5002-MW07	106-46-7	71	1,4-Dichlorobenzene	3.7	ug/L		EPA 8260	0.33	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	71-43-2	16	Benzene	**1.1**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	108-90-7	39	Chlorobenzene	4.9	ug/L		EPA 8260	0.23	1.0	3	1	04/13/2011		04/23/2011	12
50-02	5002-MW07	156-59-2	78	cis-1,2-Dichloroethene	8.7	ug/L		EPA 8260	0.19	1.0	5	1	04/13/2011		04/23/2011	12

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

Notes:

1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
3. "Method Detection Limit" (MDL) is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
4. "Method Reporting Limit" (MRL) is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL is listed under "Practical Quantitation Limit" (PQL) column in the analytical report.
5. "Method" is the analytical method used to analyze the constituents.
6. Qualifiers in non-italicized (roman type) text are laboratory data qualifiers or "flags". "U" is used for parameters not detected at concentrations above the Method Detection Limit (MDL). "J" is used for parameters detected at estimated concentrations above the Method Detection Limit (MDL) but below the laboratory's Method Reporting Limit (MRL) and the Solid Waste Section Limit (SWSL). An italicized *J* -flag is a data qualifier added by Altamont per DENR requirement to reflect a detected concentration that is greater than MDL and the laboratory's MRL but less than the SWSL.
7. "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.
8. "Dilution Factor" is reported as a single number indicating dilution performed prior to analysis. A value of 1 indicates that the sample was not diluted prior to analysis.
9. "Collect Date" is the date on which the sample was collected in the field. "Analysis Date" is the date on which the sample was analyzed by the lab.
10. "Extraction Date" is the date on which the sample was prepared/extracted for analysis. If no extraction date is listed, then no separate preparation/extraction was required for analysis.
11. Bold numbers indicate a result equal to or in exceedance of the 2L Standard, 2B Standard, or Groundwater Protection Standard (GWPS). If no 2L Standard exists, then values are compared to the GWPS.
12. 2L Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (last amended on January 1, 2010).
13. 2B Standard is from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007).
14. Groundwater Protection Standard is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://www.wastenotnc.org/sw/swenvmonitoringlist.asp (last amended on November 30, 2010).
15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 4
Water Quality Standards Exceedance Notification
Jackson County Municipal Solid Waste Landfill, Jackson County, North Carolina

FACILITY PERMIT	WELL ID	CAS NUMBER	SWS ID	PARAMETER	WATER QUALITY STANDARD	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE	ANALYSIS DATE	CAUSE AND SIGNIFICANCE
GROUNDWATER SAMPLES - 2L STANDARD OR GWPS (µg/L)																
50-02	5002-MW01	7440-48-4	53	Cobalt	1	**148**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to
50-02	5002-MW01	7440-28-0	194	Thallium	0.28	**0.73**	ug/L	*J*	EPA 6020	0.05	0.10	5.5	1	04/13/2011	04/20/2011	Tuckasegee River. Turbidity of sample at 0.00 NTU.
50-02	5002-MW01	71-43-2	16	Benzene	1	**2.7**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011	04/23/2011	Anthropogenic, potential impact to Tuckasegee River.
50-02	5002-MW02	7440-48-4	53	Cobalt	1	**15.3**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to Tuckasegee River. Turbidity of sample at 0.00 NTU.
50-02	5002-MW03	7440-48-4	53	Cobalt	1	**37.8**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to Tuckasegee River. Turbidity of sample at 0.00 NTU.
50-02	5002-MW04	7440-48-4	53	Cobalt	1	**2.7**	ug/L	J	EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to Tuckasegee River. Turbidity of sample at 0.00 NTU.
50-02	5002-MW05	7440-43-9	34	Cadmium	2	**2.1**	ug/L		EPA 6010	0.5	1.0	1	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to
50-02	5002-MW05	7440-48-4	53	Cobalt	1	**10.4**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Tuckasegee River. Turbidity of sample at 0.00 NTU.
50-02	5002-MW05	71-43-2	16	Benzene	1	**1.5**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011	04/23/2011	Anthropogenic, potential impact to Tuckasegee River.
50-02	5002-MW05	75-01-4	211	Vinyl chloride	0.03	**1.1**	ug/L		EPA 8260	0.62	1.0	1	1	04/13/2011	04/23/2011	
50-02	5002-MW06	7440-48-4	53	Cobalt	1	**150**	ug/L		EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to Tuckasegee River. Turbidity of sample at 2.81 NTU.
50-02	5002-MW06	71-43-2	16	Benzene	1	**1.8**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011	04/23/2011	Anthropogenic, potential impact to Tuckasegee River.
50-02	5002-MW07	7440-48-4	53	Cobalt	1	**3.7**	ug/L	J	EPA 6010	0.6	5.0	10	1	04/13/2011	04/25/2011	Possibly naturally occurring, potential impact to
50-02	5002-MW07	7440-62-2	209	Vanadium	0.3	**1.4**	ug/L	J	EPA 6010	0.2	5.0	25	1	04/13/2011	04/25/2011	Tuckasegee River. Turbidity of sample at 12.41 NTU.
50-02	5002-MW07	71-43-2	16	Benzene	1	**1.1**	ug/L		EPA 8260	0.25	1.0	1	1	04/13/2011	04/23/2011	Anthropogenic, potential impact to Tuckasegee River.

Notes:
1. "CAS Number" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters. "SWS ID" is the Solid Waste Section Identification Number.
2. "Result" is analytical data reported by the laboratory in units of micrograms per liter (µg/L) or milligrams per liter (mg/L).
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15. "NE" means Not Established. Blank cells indicate that there is no information relevant to the respective row.

Table 5
Well Construction Details and Corresponding Elevations
Jackson County Municipal Sold Waste Landfill, Jackson County, North Carolina

Facility Permit	Well ID	Date Drilled	Ground Surface Elevation[1,6,7]	TOC[2] Elevation	Stick Up	Total Well Depth	Depth To Water[8]	Groundwater Elevation	[4,6,7]Approx. Depth to Bedrock	Approx. Top of Bedrock Elevation	Depth to Top of Screened Interval[4,5]	Depth to Bottom of Screened Interval[4,5]	Top Elevation of Screened Interval	Elevation of Bottom of Screened Interval	Geology of Screened Interval	Source of Well Construction Information
		(mm/dd/yyyy)	(feet above msl)	(feet above msl)	(feet above gs)	(feet bgs)	(feet below TOC)	(feet above msl)	(feet bgs)	(feet above msl)	(feet bgs)	(feet bgs)	(feet above msl)	(feet above msl)		
50-02	5002-MW01	04/23/1992	2,169.40	2,171.42	2.0	110.5	101.48	2,069.94	83.0	2,086.40	95.0	110.0	2,074.40	2,059.40	bedrock	S&ME, Inc.
50-02	5002-MW02	04/22/1992	2,013.15	2,015.38	2.3	63.0	25.87	1,989.51	13.0	2,000.15	45.0	60.0	1,968.15	1,953.15	bedrock	S&ME, Inc.
50-02	5002-MW03	04/21/1992	2,044.16	2,045.53	1.3	65.5	48.02	1,997.51	57.0	1,987.16	48.5	63.5	1,995.66	1,980.66	partially weathered bedrock	S&ME, Inc.
50-02	5002-MW04	04/21/1992	1,978.68	1,980.77	2.0	43.0	26.70	1,954.07	NA[3]	NA	25.0	40.0	1,953.68	1,938.68	saprolite	S&ME, Inc.
50-02	5002-MW05	09/23/1994	2,027.38	2,028.97	1.6	60.0	48.22	1,980.75	NA	NA	50.0	60.0	1,977.38	1,967.38	saprolite	AAA Green Bros Well Drilling
50-02	5002-MW06	03/23/2004	2,136.58	2,139.57	3.0	94.0	87.83	2,051.74	47.6	2,088.98	84.6	94.6	2,051.98	2,041.98	bedrock	Altamont Environmental, Inc.
50-02	5002-MW07	07/30/2010	1,978.71	1,981.29	2.6	95.0	31.92	1,949.37	44.0	1,935.00	70.0	95.0	1,908.71	1,883.71	bedrock	Altamont Environmental, Inc.

Notes:

1. Elevations are measured relative to mean sea level and are based on a survey completed on April 9, 1999 by Davenport & Associates, Inc for wells MW-01 through MW-05.
2. TOC means Top of Casing. bgs means below ground surface. "msl" indicates mean sea level.
3. NA means Not Applicable.
4. MW-01 through MW-04 Depth to Bedrock and Screened Interval taken from boring logs completed on April 21, 22, and 23, 1992 by S&ME.
5. MW-05 Screened Interval taken from boring log completed on September 23, 1994 by AAA Greene Bros. of Sylva.
6. MW-06 Depth to Bedrock and Screened Interval taken from Altamont boring log completed March 23, 2004. Elevation data taken from a survey completed in March 2004.
7. MW-07 Depth to Bedrock and Screened Interval taken from Altamont boring log completed July 30, 2010. Elevation data taken from a survey completed in August, 2010.
8. Depth to water measured on April 13, 2011.

APPENDICES

APPENDIX A

SAMPLING LOGS
AND
EQUIPMENT CALIBRATION DATA SHEETS

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

Low-Flow Sampling Log

PROJECT NAME: Jackson Co. LF
PROJECT NUMBER: 2040.0302
LOCATION: Dillsboro, NC
DATE: 4/13/2011
SAMPLING PERSONNEL: E. Yurkovich | P. Brooks
WEATHER: P.Cloudy 55°

Well ID: MW-01
Screen Interval: 95 to 110 bgs
Depth to Water: 101.48 toc
Stickup: 2.0
Depth of Pump Intake: 107 toc
Drawdown Set: 101.48 toc

Arrive at Well: 955
Start Time: 1005
Sample Time: 1033
Finish Sample Time: 1035
Leave Well: 1045

COMMENTS:
Well recharges quickly, very clear.

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1015	101.48	16.00	180	4.22	5.64	-5.0	1.31
1018	101.48	16.18	182	2.67	5.59	-12.8	0.00
1021	101.48	16.04	199	1.08	5.68	-17.9	0.00
1024	101.48	15.97	215	0.70	5.72	-20.7	0.00
1027	101.48	15.91	230	0.49	5.75	-19.4	0.00
1030	101.48	15.81	231	0.43	5.79	-18.5	0.00
1033	101.48	16.62	232	0.44	5.71	-16.8	0.00

Time between recharge during sample collection: 1 sec @ 30PM

Sampling Personnel Signature: [signature] Date: 4/13/11

NOTES:

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures*, April 1996

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

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

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co. LF	PROJECT NUMBER: 2040.0302
LOCATION: Dillsboro, NC	DATE: 4/13/2011
SAMPLING PERSONNEL: E. Yurkovich	WEATHER: Sunny 60°

Well ID:	MW-02		Arrive at Well:	1445
Screen Interval:	45 to 60	bgs	Start Time:	1359
Depth to Water:	26.87	toc	Sample Time:	1520
Stickup:	2.3		Finish Sample Time:	1528
Depth of Pump Intake:	53	toc	Leave Well:	1605
Drawdown Set:	29.87	toc		

COMMENTS:

Well recharges ~~[illegible]~~ slowly, had to draw water level 4 feet to get well to recharge.

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1502	26.87	16.12	176	3.45	5.94	-2.4	0.00
1505	27.87	15.01	186	3.00	5.80	9.9	0.00
1508	28.67	14.64	185	2.95	5.79	21.6	0.00
1511	29.87	15.53	182	2.74	5.83	22.7	0.00
1514	29.87	16.26	181	2.66	5.85	23.7	0.00
1517	29.87	16.75	180	2.63	5.87	21.4	0.00
1520	29.87	17.09	180	2.69	5.89	20.9	0.00

Time between recharge during sample collection: 2 min

Sampling Personnel Signature: [signature] Date: 4/13/11

NOTES:

STABILIZATION

3 successive readings, 3 minutes apart:

within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP

from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures*, April 1996

bgs = below ground surface

toc = top of casing

°C = degrees Celsius

µS = micro-Siemen

DO = dissolved oxygen

mg/L = milligrams per liter

S.U. = standard units

ORP = oxidation reduction potential

mV = millivolt

NTU = nephelometric turbidity units

Samples are analyzed immediately upon collection.

2116

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co. LF	PROJECT NUMBER: 2040.0302
LOCATION: Dillsboro, NC	DATE: 3/14/2011
SAMPLING PERSONNEL: E. Yurkovich	WEATHER: Sunny 60°

Well ID:	MW-03	Arrive at Well:	1348
Screen Interval:	48.5 to 63.5 bgs	Start Time:	1358
Depth to Water:	48.02 toc	Sample Time:	1419
Stickup:	1.3	Finish Sample Time:	1421
Depth of Pump Intake:	56.5 toc	Leave Well:	1435
Drawdown Set:	48.42 toc		

COMMENTS:

Well recharges quickly

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1404	48.42	16.50	322	3.16	5.27	60.4	0.00
1407	48.42	16.10	311	1.39	5.32	46.2	0.00
1410	48.42	15.92	311	0.87	5.35	49.2	0.00
1413	48.42	15.92	326	0.53	5.41	46.4	0.00
1416	48.42	15.88	329	0.49	5.41	47.3	0.00
1419	48.42	15.88	330	0.47	5.39	45.9	0.00

Time between recharge during sample collection: 1 sec @ 30 min

Sampling Personnel Signature: Date: 4/13/11

NOTES:

STABILIZATION

3 successive readings, 3 minutes apart:

within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP

from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures*, April 1996

bgs = below ground surface

toc = top of casing

°C = degrees Celsius

µS = micro-Siemen

DO = dissolved oxygen

mg/L = milligrams per liter

S.U. = standard units

ORP = oxidation reduction potential

mV = millivolt

NTU = nephelometric turbidity units

Samples are analyzed immediately upon collection.

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co. LF
PROJECT NUMBER: 2040.0302
LOCATION: Dillsboro, NC
DATE: 4/13/2011
SAMPLING PERSONNEL: E. Yurkovich
WEATHER: Sunny 60°

Well ID:	MW-04		Arrive at Well:	1205
Screen Interval:	27 to 43	bgs	Start Time:	1213
Depth to Water:	26.70	toc	Sample Time:	1233
Stickup:	8.0		Finish Sample Time:	1236
Depth of Pump Intake:	35.0	toc	Leave Well:	1243
Drawdown Set:	27.00	toc		

COMMENTS:
Well recharges quickly

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1215	27.0	15.38	630	6.62	5.62	58.7	0.00
1218	27.00	14.85	642	2.56	5.66	49.5	0.00
1221	27.00	14.66	644	1.37	5.67	48.8	0.90
1224	27.00	14.57	658	0.90	5.70	49.7	0.00
1227	27.00	14.52	657	0.79	5.75	51.7	0.00
1230	27.00	14.53	652	0.72	5.83	51.8	0.00
1233	27.00	14.56	648	0.68	5.86	52.4	0.00

Time between recharge during sample collection: 1 Sec @ 3CPM

Sampling Personnel Signature: [signature]
Date: 4/13/11

NOTES:

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures*, April 1996

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
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mg/L = milligrams per liter
S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Well Sampling Log

PROJECT NAME: Jackson Co. LF
PROJECT NUMBER: 2040.0302
SAMPLING PERSONNEL: E. Yurkovich / P. Brooks

DATE: 4/13/2011
WEATHER: P.Cloudy 60°
SAMPLE TIME: 1157

WELL NUMBER: MW-05
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Well casing bent, Have to tie two small bailers together to purge/sample well.

WELL DEPTH IN FEET (WD): 60.0
WATER LEVEL IN FEET (WL): 48.27
LENGTH OF WATER COLUMN: 11.73 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.00 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.00 GALLONS
ACTUAL VOLUME PURGED: 6.00 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	1107	initial	16.55	679	3.50	6.03	27.0	0.00	
2	1127	2.0	16.34	744	2.92	6.26	-4.4	0.00	
3	1141	4.0	16.25	813	2.83	6.47	-11.4	0.00	
4	1157	6.0	16.28	853	2.84	6.46	-16.1	0.00	
5									
6									
7									
8									
9									
10									

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

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

Sampling Personnel Signature: Date: 4/13/11

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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Low-Flow Sampling Log

PROJECT NAME: Jackson Co. LF
PROJECT NUMBER: 2040.0302
LOCATION: Dillsboro, NC
DATE: 4/13/11
SAMPLING PERSONNEL: E. Yurkovich / P. Brooks
WEATHER: P.Cloudy 50°

Well ID: MW-06
Screen Interval: 84.6 to 94.6 bgs
Depth to Water: 87.83 toc
Stickup: 3.0
Depth of Pump Intake: 92.0 toc
Drawdown Set: 88.83 toc

Arrive at Well: 853
Start Time: 909
Sample Time: 934
Finish Sample Time: 938
Leave Well: 950

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) report to 0.1 S.U.	ORP (mV)	Turbidity (NTU)
919	88.83	14.92	266	3.91	6.07	-49.0	7.85
922	88.83	14.68	263	2.32	6.13	-40.1	7.67
925	88.83	14.76	260	1.79	6.10	-30.3	5.74
928	88.83	14.65	259	1.47	6.17	-31.6	4.94
931	88.83	14.95	257	1.41	6.20	-31.7	2.96
934	88.83	14.94	257	1.39	6.23	-30.9	2.81

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

Sampling Personnel Signature: [signature]
Date: 4/13/11

NOTES:

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures*, April 1996

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co. LF
PROJECT NUMBER: 2040.0302
LOCATION: Dillsboro, NC
DATE: 4/13/2011
SAMPLING PERSONNEL: E. Yurkovich / P. Brooks
WEATHER: Sunny 60°

Well ID:	MW-07	Arrive at Well:	1244
Screen Interval:	70 to 95 bgs	Start Time:	1255
Depth to Water:	31.92 toc	Sample Time:	1317
Stickup:	2.7	Finish Sample Time:	1320
Depth of Pump Intake:	81.0 toc	Leave Well:	1337
Drawdown Set:	31.92 toc		

COMMENTS:
Well recharges quickly.

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) report to 0.1 S.U.	ORP (mV)	Turbidity (NTU)
1259	31.92	15.77	609	3.93	6.18	-28.6	9.06
1302	31.92	15.46	752	3.40	6.12	1.9	87.16
1305	31.92	15.40	791	1.67	6.15	9.9	78.40
1308	31.92	15.36	794	1.11	6.20	8.8	44.98
1311	31.92	15.36	792	0.88	6.20	5.4	37.02
1314	31.92	15.41	791	0.79	6.19	5.7	28.82
1317	31.92	15.38	791	0.71	6.22	5.1	12.41

Time between recharge during sample collection: 1 Stee @ 3CPM

Sampling Personnel Signature: [signature] Date: 4/13/11

NOTES:

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures*, April 1996

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Surface Water Sampling Log

PROJECT NAME: Jackson Co. LF
DATE: 4/13/2004
PROJECT NUMBER: 2040.0302
WEATHER: Sunny 60°
SAMPLING PERSONNEL: E. Yurkovich / P. Brooks

SAMPLE NAME: SW-01

COMMENTS:
Upstream Surfacewater Sample

Sample time 1338

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
1338	11.91	34	4.83	6.75	43.5	0.78 ~~0.08~~	

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

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: Date: 4/13/4

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: Jackson Co. LF
DATE: 4/13/2011
PROJECT NUMBER: 2040.0302
WEATHER: Sunny 65°
SAMPLING PERSONNEL: E. Yurkovich / P. Brooks

SAMPLE NAME: SW-02

COMMENTS:
Downstream surface water sample

Sample time: 1553

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
1550	13.46	32	2.72	6.61	9.3	3.82	

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

VEGETATION: OK ACCESS: Good

Sampling Personnel Signature: Date: 4/13/11

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

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Equipment Documentation & Instrument Calibration Data Sheet

	Calibration Documentation
Project Name: Jackson Co. LF	Person Conducting Calibration: E. Yanovich
Project Number: 2040	Date of Calibration: 4/13/2011
Project Location: Dillsboro, NC	Date of Field Measurements: 4/13/2011

Equipment Documentation

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

Equipment Type	Serial Number	Brand	Date of Use
150-ft Water Level	26154	Solinist	
150-ft Water Level	22754	Solinist	
150-ft Water Level	150	Testwell	
150-ft Drawdown	MP30-1527	QED	4/13/2011
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
August 2011	200601045	Initial: 0.34	Initial: 9.83	Initial: 979.7
		Cal: 0.02	Cal: 10.06	Cal: 1002
		Time: 7:33	Time: 7:34	Time: 7:35

YSI 556 Multiparameter Meter

Instrument Serial Number	07D100979						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 10.43	Cal: 9.13	mmHg: 703.9	Time: 712			NA
QC*	AM Time:	Meas:	Mid Day Time:	Check:	PM Time:	Check:	NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.98	pHmV:	Cal: 7.00	pHmV:	Time: 719		June 2012
pH 4 S.U. *report to 0.1 S.U.*	Initial: 3.99	pHmV:	Cal: 4.00	pHmV:	Time: 724		Sept 2011
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.09	pHmV:	Cal: 10.01	pHmV:	Time: 726		Sept 2012
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 735	Meas: 6.99	Mid Day Time:	Check:	PM Time:	Check:	June 2012
Spec. Cond. 447/84/23 mS**	Initial: 476	Cal: 447	Time: 715				July 2011
QC* 84 mS	AM Time: 733	Meas: 84	Mid Day Time:	Check:	PM Time:	Check:	May 2011
ORP 200 mV	Initial: 204.2	Cal: 200.0	Time: 730				June 2011

Comments:

Signature: Date: 4/13/11

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

April 29, 2011

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

RE: Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

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

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9292011001	**MW-01**	Water	04/13/11 10:33	04/14/11 08:50
9292011002	**MW-02**	Water	04/13/11 15:20	04/14/11 08:50
9292011003	**MW-03**	Water	04/13/11 14:19	04/14/11 08:50
9292011004	**MW-04**	Water	04/13/11 12:33	04/14/11 08:50
9292011005	**MW-05**	Water	04/13/11 11:57	04/14/11 08:50
9292011006	**MW-06**	Water	04/13/11 09:34	04/14/11 08:50
9292011007	**MW-07**	Water	04/13/11 13:17	04/14/11 08:50
9292011008	**SW-01**	Water	04/13/11 13:38	04/14/11 08:50
9292011009	**SW-02**	Water	04/13/11 15:50	04/14/11 08:50
9292011010	**Trip Blank**	Water	04/13/11 00:00	04/14/11 08:50

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SAMPLE ANALYTE COUNT

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9292011001	**MW-01**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011002	**MW-02**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011003	**MW-03**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011004	**MW-04**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011005	**MW-05**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011006	**MW-06**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011007	**MW-07**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011008	**SW-01**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011009	**SW-02**	EPA 6010	JMW	14	PASI-A
		EPA 6020	TL1	1	PASI-M
		EPA 7470	SHB	1	PASI-A
		EPA 8260	TLS	53	PASI-C
9292011010	**Trip Blank**	EPA 8260	TLS	53	PASI-C

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-01 **Lab ID: 9292011001** Collected: 04/13/11 10:33 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:15	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:15	7440-38-2	
Barium	**112**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:15	7440-39-3	
Beryllium	**0.16J**	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:15	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:15	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:15	7440-47-3	
Cobalt	**148**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:15	7440-48-4	
Copper	**1.9J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:15	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:15	7439-92-1	
Nickel	**11.3**	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:15	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:15	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:15	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:15	7440-62-2	
Zinc	**7.8J**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	**0.73**	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/15/11 11:40	04/15/11 16:11	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 15:48	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 15:48	107-13-1	
Benzene	**2.7**	ug/L	1.0	0.25	1		04/23/11 15:48	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 15:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 15:48	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 15:48	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 15:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 15:48	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 15:48	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 15:48	56-23-5	
Chlorobenzene	**3.3**	ug/L	1.0	0.23	1		04/23/11 15:48	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 15:48	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 15:48	67-66-3	
Chloromethane	**0.12J**	ug/L	1.0	0.11	1		04/23/11 15:48	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 15:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 15:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 15:48	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 15:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 15:48	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 15:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 15:48	110-57-6	
1,1-Dichloroethane	**5.0**	ug/L	1.0	0.32	1		04/23/11 15:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 15:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 15:48	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-01 **Lab ID: 9292011001** Collected: 04/13/11 10:33 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**7.7**	ug/L	1.0	0.19	1		04/23/11 15:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 15:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 15:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 15:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 15:48	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 15:48	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 15:48	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 15:48	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 15:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 15:48	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 15:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 15:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 15:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 15:48	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 15:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 15:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 15:48	79-00-5	
Trichloroethene	**0.97J**	ug/L	1.0	0.47	1		04/23/11 15:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 15:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 15:48	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 15:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 15:48	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 15:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 15:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 15:48	95-47-6	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/23/11 15:48	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/23/11 15:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/23/11 15:48	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/23/11 15:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-02 **Lab ID: 9292011002** Collected: 04/13/11 15:20 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:19	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:19	7440-38-2	
Barium	**48.5**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:19	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:19	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:19	7440-43-9	
Chromium	**1.2J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:19	7440-47-3	
Cobalt	**15.3**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:19	7440-48-4	
Copper	**0.95J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:19	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:19	7439-92-1	
Nickel	**2.9J**	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:19	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:19	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:19	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:19	7440-62-2	
Zinc	**70.7**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	**0.088J**	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/15/11 11:40	04/15/11 16:14	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**6.4J**	ug/L	25.0	2.2	1		04/23/11 16:11	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 16:11	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/11 16:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 16:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 16:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 16:11	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 16:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 16:11	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 16:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 16:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/11 16:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 16:11	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 16:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 16:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 16:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 16:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 16:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 16:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 16:11	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 16:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 16:11	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 16:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 16:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 16:11	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-02 **Lab ID: 9292011002** Collected: 04/13/11 15:20 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**0.50J**	ug/L	1.0	0.19	1		04/23/11 16:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 16:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 16:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 16:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 16:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 16:11	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 16:11	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 16:11	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 16:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 16:11	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 16:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 16:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 16:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 16:11	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 16:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 16:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 16:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 16:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 16:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 16:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 16:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 16:11	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 16:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 16:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 16:11	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/23/11 16:11	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/23/11 16:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/23/11 16:11	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/23/11 16:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-03 **Lab ID: 9292011003** Collected: 04/13/11 14:19 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:22	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:22	7440-38-2	
Barium	**154**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:22	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:22	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:22	7440-43-9	
Chromium	**1.2J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:22	7440-47-3	
Cobalt	**37.8**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:22	7440-48-4	
Copper	**0.95J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:22	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:22	7439-92-1	
Nickel	**3.1J**	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:22	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:22	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:22	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:22	7440-62-2	
Zinc	**19.8**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:22	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	**0.10**	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/15/11 11:40	04/15/11 16:16	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 16:34	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 16:34	107-13-1	
Benzene	**0.43J**	ug/L	1.0	0.25	1		04/23/11 16:34	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 16:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 16:34	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 16:34	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 16:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 16:34	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 16:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 16:34	56-23-5	
Chlorobenzene	**3.3**	ug/L	1.0	0.23	1		04/23/11 16:34	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 16:34	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 16:34	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 16:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 16:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 16:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 16:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 16:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 16:34	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 16:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 16:34	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 16:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 16:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 16:34	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-03 **Lab ID: 9292011003** Collected: 04/13/11 14:19 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**0.70J**	ug/L	1.0	0.19	1		04/23/11 16:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 16:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 16:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 16:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 16:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 16:34	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 16:34	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 16:34	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 16:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 16:34	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 16:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 16:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 16:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 16:34	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 16:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 16:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 16:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 16:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 16:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 16:34	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 16:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 16:34	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 16:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 16:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 16:34	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/11 16:34	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/23/11 16:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/23/11 16:34	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/23/11 16:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-04 **Lab ID: 9292011004** Collected: 04/13/11 12:33 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:36	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:36	7440-38-2	
Barium	**257**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:36	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:36	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:36	7440-43-9	
Chromium	**1.3J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:36	7440-47-3	
Cobalt	**2.7J**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:36	7440-48-4	
Copper	**0.80J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:36	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:36	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:36	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:36	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:36	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:36	7440-62-2	
Zinc	**34.1**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	**0.050J**	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.33**	ug/L	0.20	0.10	1	04/15/11 11:40	04/15/11 16:19	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 16:57	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 16:57	107-13-1	
Benzene	**0.59J**	ug/L	1.0	0.25	1		04/23/11 16:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 16:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 16:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 16:57	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 16:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 16:57	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 16:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 16:57	56-23-5	
Chlorobenzene	**3.1**	ug/L	1.0	0.23	1		04/23/11 16:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 16:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 16:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 16:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 16:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 16:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 16:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 16:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 16:57	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 16:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 16:57	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 16:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 16:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 16:57	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-04 **Lab ID: 9292011004** Collected: 04/13/11 12:33 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**3.9**	ug/L	1.0	0.19	1		04/23/11 16:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 16:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 16:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 16:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 16:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 16:57	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 16:57	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 16:57	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 16:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 16:57	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 16:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 16:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 16:57	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 16:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 16:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 16:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 16:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 16:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 16:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 16:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 16:57	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 16:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 16:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 16:57	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/11 16:57	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/23/11 16:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/23/11 16:57	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/23/11 16:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-05 **Lab ID: 9292011005** Collected: 04/13/11 11:57 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:39	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:39	7440-38-2	
Barium	**195**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:39	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:39	7440-41-7	
Cadmium	**2.1**	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:39	7440-43-9	
Chromium	**1.6J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:39	7440-47-3	
Cobalt	**10.4**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:39	7440-48-4	
Copper	**2.2J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:39	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:39	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:39	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:39	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:39	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:39	7440-62-2	
Zinc	**7.4J**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/15/11 11:40	04/15/11 16:22	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 17:20	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 17:20	107-13-1	
Benzene	**1.5**	ug/L	1.0	0.25	1		04/23/11 17:20	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 17:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 17:20	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 17:20	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 17:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 17:20	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 17:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 17:20	56-23-5	
Chlorobenzene	**8.3**	ug/L	1.0	0.23	1		04/23/11 17:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 17:20	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 17:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 17:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 17:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 17:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 17:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 17:20	74-95-3	
1,2-Dichlorobenzene	**0.41J**	ug/L	1.0	0.30	1		04/23/11 17:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 17:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 17:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 17:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 17:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 17:20	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-05 **Lab ID: 9292011005** Collected: 04/13/11 11:57 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**17.8**	ug/L	1.0	0.19	1		04/23/11 17:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 17:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 17:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 17:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 17:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 17:20	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 17:20	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 17:20	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 17:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 17:20	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 17:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 17:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 17:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 17:20	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 17:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 17:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 17:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 17:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 17:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 17:20	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 17:20	108-05-4	
Vinyl chloride	**1.1**	ug/L	1.0	0.62	1		04/23/11 17:20	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 17:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 17:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 17:20	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/23/11 17:20	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/23/11 17:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/23/11 17:20	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/23/11 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-06 **Lab ID: 9292011006** Collected: 04/13/11 09:34 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:43	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:43	7440-38-2	
Barium	**97.2**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:43	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:43	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:43	7440-43-9	
Chromium	ND	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:43	7440-47-3	
Cobalt	**150**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:43	7440-48-4	
Copper	**4.4J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:43	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:43	7439-92-1	
Nickel	**21.6**	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:43	7440-02-0	
Selenium	**5.0J**	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:43	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:43	7440-22-4	
Vanadium	ND	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:43	7440-62-2	
Zinc	**52.7**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	**0.16**	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/21/11 10:30	04/21/11 15:34	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**3.1J**	ug/L	25.0	2.2	1		04/23/11 17:42	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 17:42	107-13-1	
Benzene	**1.8**	ug/L	1.0	0.25	1		04/23/11 17:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 17:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 17:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 17:42	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 17:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 17:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 17:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 17:42	56-23-5	
Chlorobenzene	**1.6**	ug/L	1.0	0.23	1		04/23/11 17:42	108-90-7	
Chloroethane	**1.9**	ug/L	1.0	0.54	1		04/23/11 17:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 17:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 17:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 17:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 17:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 17:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 17:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 17:42	95-50-1	
1,4-Dichlorobenzene	**4.6**	ug/L	1.0	0.33	1		04/23/11 17:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 17:42	110-57-6	
1,1-Dichloroethane	**0.85J**	ug/L	1.0	0.32	1		04/23/11 17:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 17:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 17:42	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-06 **Lab ID: 9292011006** Collected: 04/13/11 09:34 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**5.4**	ug/L	1.0	0.19	1		04/23/11 17:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 17:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 17:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 17:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 17:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 17:42	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 17:42	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 17:42	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 17:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 17:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 17:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 17:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 17:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 17:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 17:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 17:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 17:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 17:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 17:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 17:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 17:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 17:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 17:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 17:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 17:42	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/11 17:42	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/23/11 17:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/23/11 17:42	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/23/11 17:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-07 **Lab ID: 9292011007** Collected: 04/13/11 13:17 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:47	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:47	7440-38-2	
Barium	**289**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:47	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:47	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:47	7440-43-9	
Chromium	**3.0J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:47	7440-47-3	
Cobalt	**3.7J**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:47	7440-48-4	
Copper	**1.2J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:47	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:47	7439-92-1	
Nickel	**2.4J**	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:47	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:47	7782-49-2	
Silver	**0.33J**	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:47	7440-22-4	
Vanadium	**1.4J**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:47	7440-62-2	
Zinc	**18.5**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 16:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/21/11 10:30	04/21/11 15:36	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**2.8J**	ug/L	25.0	2.2	1		04/23/11 18:05	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 18:05	107-13-1	
Benzene	**1.1**	ug/L	1.0	0.25	1		04/23/11 18:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 18:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 18:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 18:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 18:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 18:05	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 18:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 18:05	56-23-5	
Chlorobenzene	**4.9**	ug/L	1.0	0.23	1		04/23/11 18:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 18:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 18:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 18:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 18:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 18:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 18:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 18:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 18:05	95-50-1	
1,4-Dichlorobenzene	**3.7**	ug/L	1.0	0.33	1		04/23/11 18:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 18:05	110-57-6	
1,1-Dichloroethane	**0.54J**	ug/L	1.0	0.32	1		04/23/11 18:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 18:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 18:05	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: MW-07 **Lab ID: 9292011007** Collected: 04/13/11 13:17 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**8.7**	ug/L	1.0	0.19	1		04/23/11 18:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 18:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 18:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 18:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 18:05	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 18:05	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 18:05	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 18:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 18:05	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 18:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 18:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 18:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 18:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 18:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 18:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 18:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 18:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 18:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 18:05	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 18:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 18:05	75-01-4	
Xylene (Total)	**0.92J**	ug/L	2.0	0.66	1		04/23/11 18:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 18:05	179601-23-1	
o-Xylene	**0.92J**	ug/L	1.0	0.23	1		04/23/11 18:05	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130		1		04/23/11 18:05	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/23/11 18:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/23/11 18:05	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		04/23/11 18:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: SW-01 **Lab ID: 9292011008** Collected: 04/13/11 13:38 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:51	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:51	7440-38-2	
Barium	**18.6**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:51	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:51	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:51	7440-43-9	
Chromium	**0.75J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:51	7440-47-3	
Cobalt	ND	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:51	7440-48-4	
Copper	**1.2J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:51	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:51	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:51	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:51	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:51	7440-22-4	
Vanadium	**0.78J**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:51	7440-62-2	
Zinc	**4.8J**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:51	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 17:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/26/11 09:30	04/26/11 13:33	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 18:28	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 18:28	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/11 18:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 18:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 18:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 18:28	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 18:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 18:28	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 18:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 18:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/11 18:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 18:28	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 18:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 18:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 18:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 18:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 18:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 18:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 18:28	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 18:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 18:28	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 18:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 18:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 18:28	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: SW-01 **Lab ID: 9292011008** Collected: 04/13/11 13:38 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/11 18:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 18:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 18:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 18:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 18:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 18:28	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 18:28	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 18:28	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 18:28	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 18:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 18:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 18:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 18:28	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 18:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 18:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 18:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 18:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 18:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 18:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 18:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 18:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 18:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 18:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 18:28	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/11 18:28	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/23/11 18:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/23/11 18:28	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/23/11 18:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: SW-02 **Lab ID: 9292011009** Collected: 04/13/11 15:50 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	2.6	1	04/21/11 12:00	04/25/11 00:54	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	04/21/11 12:00	04/25/11 00:54	7440-38-2	
Barium	**20.9**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:54	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	04/21/11 12:00	04/25/11 00:54	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	04/21/11 12:00	04/25/11 00:54	7440-43-9	
Chromium	**1.6J**	ug/L	5.0	0.40	1	04/21/11 12:00	04/25/11 00:54	7440-47-3	
Cobalt	**1.3J**	ug/L	5.0	0.60	1	04/21/11 12:00	04/25/11 00:54	7440-48-4	
Copper	**1.6J**	ug/L	5.0	0.30	1	04/21/11 12:00	04/25/11 00:54	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	04/21/11 12:00	04/25/11 00:54	7439-92-1	
Nickel	ND	ug/L	5.0	1.7	1	04/21/11 12:00	04/25/11 00:54	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	04/21/11 12:00	04/25/11 00:54	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	04/21/11 12:00	04/25/11 00:54	7440-22-4	
Vanadium	**1.6J**	ug/L	5.0	0.20	1	04/21/11 12:00	04/25/11 00:54	7440-62-2	
Zinc	**6.6J**	ug/L	10.0	0.40	1	04/21/11 12:00	04/25/11 00:54	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020								
Thallium	ND	ug/L	0.10	0.050	1	04/20/11 13:59	04/20/11 17:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/26/11 09:30	04/26/11 13:41	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 18:51	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 18:51	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/11 18:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 18:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 18:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 18:51	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 18:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 18:51	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 18:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 18:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/11 18:51	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 18:51	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 18:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 18:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 18:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 18:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 18:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 18:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 18:51	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 18:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 18:51	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 18:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 18:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 18:51	75-35-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: SW-02 **Lab ID: 9292011009** Collected: 04/13/11 15:50 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/11 18:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 18:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 18:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 18:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 18:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 18:51	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 18:51	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 18:51	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 18:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 18:51	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 18:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 18:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 18:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 18:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 18:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 18:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 18:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 18:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 18:51	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 18:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 18:51	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 18:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 18:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 18:51	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130		1		04/23/11 18:51	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/23/11 18:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/23/11 18:51	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/23/11 18:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: Trip Blank **Lab ID: 9292011010** Collected: 04/13/11 00:00 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/23/11 19:14	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		04/23/11 19:14	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		04/23/11 19:14	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/23/11 19:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/23/11 19:14	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/23/11 19:14	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/23/11 19:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/23/11 19:14	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		04/23/11 19:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/23/11 19:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/23/11 19:14	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/23/11 19:14	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/23/11 19:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/23/11 19:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/23/11 19:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/23/11 19:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/23/11 19:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/23/11 19:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/23/11 19:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/23/11 19:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		04/23/11 19:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/23/11 19:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/23/11 19:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/23/11 19:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/23/11 19:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/23/11 19:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/23/11 19:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/23/11 19:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/23/11 19:14	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/23/11 19:14	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/23/11 19:14	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		04/23/11 19:14	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		04/23/11 19:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/23/11 19:14	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		04/23/11 19:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/23/11 19:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/23/11 19:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/23/11 19:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/23/11 19:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/23/11 19:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/23/11 19:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/23/11 19:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/23/11 19:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/23/11 19:14	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/23/11 19:14	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/23/11 19:14	75-01-4	

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ANALYTICAL RESULTS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

Sample: Trip Blank **Lab ID: 9292011010** Collected: 04/13/11 00:00 Received: 04/14/11 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/23/11 19:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/23/11 19:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/23/11 19:14	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/11 19:14	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/23/11 19:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/23/11 19:14	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/23/11 19:14	2037-26-5	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

QC Batch: MPRP/8222 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009

METHOD BLANK: 594023 | Matrix: Water
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	04/24/11 23:15	
Arsenic	ug/L	ND	5.0	04/24/11 23:15	
Barium	ug/L	0.47J	5.0	04/24/11 23:15	
Beryllium	ug/L	0.28J	1.0	04/24/11 23:15	
Cadmium	ug/L	ND	1.0	04/24/11 23:15	
Chromium	ug/L	ND	5.0	04/24/11 23:15	
Cobalt	ug/L	1.1J	5.0	04/24/11 23:15	
Copper	ug/L	0.92J	5.0	04/24/11 23:15	
Lead	ug/L	ND	5.0	04/24/11 23:15	
Nickel	ug/L	ND	5.0	04/24/11 23:15	
Selenium	ug/L	ND	10.0	04/24/11 23:15	
Silver	ug/L	ND	5.0	04/24/11 23:15	
Vanadium	ug/L	0.27J	5.0	04/24/11 23:15	
Zinc	ug/L	3.2J	10.0	04/24/11 23:15	

LABORATORY CONTROL SAMPLE: 594024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	482	96	80-120	
Arsenic	ug/L	500	484	97	80-120	
Barium	ug/L	500	493	99	80-120	
Beryllium	ug/L	500	497	99	80-120	
Cadmium	ug/L	500	480	96	80-120	
Chromium	ug/L	500	484	97	80-120	
Cobalt	ug/L	500	485	97	80-120	
Copper	ug/L	500	501	100	80-120	
Lead	ug/L	500	487	97	80-120	
Nickel	ug/L	500	476	95	80-120	
Selenium	ug/L	500	495	99	80-120	
Silver	ug/L	250	245	98	80-120	
Vanadium	ug/L	500	479	96	80-120	
Zinc	ug/L	500	503	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 594025 594026

Parameter	Units	9291945008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	482	502	96	100	75-125	4	25	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 594025 594026

Parameter	Units	9291945008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	487	504	97	101	75-125	3	25	
Barium	ug/L	16.2J	500	500	504	524	98	102	75-125	4	25	
Beryllium	ug/L	ND	500	500	499	516	100	103	75-125	3	25	
Cadmium	ug/L	ND	500	500	477	493	95	99	75-125	3	25	
Chromium	ug/L	1.1J	500	500	484	501	97	100	75-125	3	25	
Cobalt	ug/L	2.2J	500	500	484	505	96	101	75-125	4	25	
Copper	ug/L	3.4J	500	500	505	526	100	105	75-125	4	25	
Lead	ug/L	ND	500	500	480	498	96	99	75-125	4	25	
Nickel	ug/L	ND	500	500	473	489	95	98	75-125	3	25	
Selenium	ug/L	ND	500	500	501	515	100	103	75-125	3	25	
Silver	ug/L	ND	250	250	244	252	98	101	75-125	3	25	
Vanadium	ug/L	1.7J	500	500	480	499	96	99	75-125	4	25	
Zinc	ug/L	7.0J	500	500	495	510	98	101	75-125	3	25	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

QC Batch: ICPM/25580 — Analysis Method: EPA 6020
QC Batch Method: EPA 6020 — Analysis Description: 6020 MET
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009

METHOD BLANK: 960474 — Matrix: Water
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	0.10	04/20/11 16:11	

LABORATORY CONTROL SAMPLE: 960475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	80	87.5	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 960476 960477

Parameter	Units	9292011001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	0.73	80	80	68.2	76.6	84	95	75-125	11	20	

MATRIX SPIKE SAMPLE: 960478

Parameter	Units	9291864024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	ND	80	72.9	91	75-125	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

QC Batch: MERP/3413 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005

METHOD BLANK: 591409 Matrix: Water
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/15/11 14:47	

LABORATORY CONTROL SAMPLE: 591410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 591411 591412

Parameter	Units	9291892001 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	2.2	2.2	89	89	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 591413 591414

Parameter	Units	9291864008 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	2.2	2.2	88	88	75-125	0	25	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

QC Batch: MERP/3418 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 9292011006, 9292011007

METHOD BLANK: 593389 — Matrix: Water
Associated Lab Samples: 9292011006, 9292011007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/21/11 14:30	

LABORATORY CONTROL SAMPLE: 593390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.1	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 593391 593392

Parameter	Units	9292183006 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	2.0	2.1	79	83	75-125	5	25	

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

QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

QC Batch: MERP/3426 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 9292011008, 9292011009

METHOD BLANK: 594554 | Matrix: Water
Associated Lab Samples: 9292011008, 9292011009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/26/11 13:28	

LABORATORY CONTROL SAMPLE: 594555

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 594556 594557

Parameter	Units	9292011008 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	2.1	2.2	85	88	75-125	4	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 594558 594559

Parameter	Units	9292011009 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	2.2	2.2	89	88	75-125	0	25	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

QC Batch: MSV/14903 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009, 9292011010

METHOD BLANK: 595448 Matrix: Water
Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009, 9292011010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/23/11 12:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/23/11 12:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/23/11 12:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/23/11 12:22	
1,1-Dichloroethane	ug/L	ND	1.0	04/23/11 12:22	
1,1-Dichloroethene	ug/L	ND	1.0	04/23/11 12:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/23/11 12:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/23/11 12:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/23/11 12:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/23/11 12:22	
1,2-Dichloroethane	ug/L	ND	1.0	04/23/11 12:22	
1,2-Dichloropropane	ug/L	ND	1.0	04/23/11 12:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/23/11 12:22	
2-Butanone (MEK)	ug/L	ND	5.0	04/23/11 12:22	
2-Hexanone	ug/L	ND	5.0	04/23/11 12:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/23/11 12:22	
Acetone	ug/L	ND	25.0	04/23/11 12:22	
Acrylonitrile	ug/L	ND	10.0	04/23/11 12:22	
Benzene	ug/L	ND	1.0	04/23/11 12:22	
Bromochloromethane	ug/L	ND	1.0	04/23/11 12:22	
Bromodichloromethane	ug/L	ND	1.0	04/23/11 12:22	
Bromoform	ug/L	ND	1.0	04/23/11 12:22	
Bromomethane	ug/L	ND	2.0	04/23/11 12:22	
Carbon disulfide	ug/L	ND	2.0	04/23/11 12:22	
Carbon tetrachloride	ug/L	ND	1.0	04/23/11 12:22	
Chlorobenzene	ug/L	ND	1.0	04/23/11 12:22	
Chloroethane	ug/L	ND	1.0	04/23/11 12:22	
Chloroform	ug/L	ND	1.0	04/23/11 12:22	
Chloromethane	ug/L	ND	1.0	04/23/11 12:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/23/11 12:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/23/11 12:22	
Dibromochloromethane	ug/L	ND	1.0	04/23/11 12:22	
Dibromomethane	ug/L	ND	1.0	04/23/11 12:22	
Ethylbenzene	ug/L	ND	1.0	04/23/11 12:22	
Iodomethane	ug/L	ND	5.0	04/23/11 12:22	
m&p-Xylene	ug/L	ND	2.0	04/23/11 12:22	
Methylene Chloride	ug/L	ND	1.0	04/23/11 12:22	
o-Xylene	ug/L	ND	1.0	04/23/11 12:22	
Styrene	ug/L	ND	1.0	04/23/11 12:22	
Tetrachloroethene	ug/L	ND	1.0	04/23/11 12:22	
Toluene	ug/L	ND	1.0	04/23/11 12:22	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

METHOD BLANK: 595448 Matrix: Water

Associated Lab Samples: 9292011001, 9292011002, 9292011003, 9292011004, 9292011005, 9292011006, 9292011007, 9292011008, 9292011009, 9292011010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/23/11 12:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/23/11 12:22	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/23/11 12:22	
Trichloroethene	ug/L	ND	1.0	04/23/11 12:22	
Trichlorofluoromethane	ug/L	ND	1.0	04/23/11 12:22	
Vinyl acetate	ug/L	ND	2.0	04/23/11 12:22	
Vinyl chloride	ug/L	ND	1.0	04/23/11 12:22	
Xylene (Total)	ug/L	ND	2.0	04/23/11 12:22	
1,2-Dichloroethane-d4 (S)	%	98	70-130	04/23/11 12:22	
4-Bromofluorobenzene (S)	%	98	70-130	04/23/11 12:22	
Dibromofluoromethane (S)	%	100	70-130	04/23/11 12:22	
Toluene-d8 (S)	%	97	70-130	04/23/11 12:22	

LABORATORY CONTROL SAMPLE: 595449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,1-Trichloroethane	ug/L	50	44.5	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.1	90	70-130	
1,1,2-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethane	ug/L	50	43.8	88	70-130	
1,1-Dichloroethene	ug/L	50	43.8	88	70-132	
1,2,3-Trichloropropane	ug/L	50	45.2	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.8	92	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	70-130	
1,2-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,2-Dichloroethane	ug/L	50	43.0	86	70-130	
1,2-Dichloropropane	ug/L	50	45.3	91	70-130	
1,4-Dichlorobenzene	ug/L	50	45.1	90	70-130	
2-Butanone (MEK)	ug/L	100	88.5	88	70-145	
2-Hexanone	ug/L	100	86.6	87	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	87.3	87	70-140	
Acetone	ug/L	100	84.5	84	50-175	
Acrylonitrile	ug/L	250	227	91	70-143	
Benzene	ug/L	50	44.9	90	70-130	
Bromochloromethane	ug/L	50	45.9	92	70-130	
Bromodichloromethane	ug/L	50	46.9	94	70-130	
Bromoform	ug/L	50	50.0	100	70-130	
Bromomethane	ug/L	50	44.2	88	54-130	
Carbon disulfide	ug/L	50	44.6	89	70-131	
Carbon tetrachloride	ug/L	50	46.2	92	70-132	
Chlorobenzene	ug/L	50	46.8	94	70-130	
Chloroethane	ug/L	50	42.3	85	64-134	
Chloroform	ug/L	50	44.3	89	70-130	

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QUALITY CONTROL DATA

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

LABORATORY CONTROL SAMPLE: 595449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	40.8	82	64-130	
cis-1,2-Dichloroethene	ug/L	50	43.1	86	70-131	
cis-1,3-Dichloropropene	ug/L	50	43.7	87	70-130	
Dibromochloromethane	ug/L	50	49.6	99	70-130	
Dibromomethane	ug/L	50	47.0	94	70-131	
Ethylbenzene	ug/L	50	49.3	99	70-130	
Iodomethane	ug/L	100	99.4	99	49-180	
m&p-Xylene	ug/L	100	103	103	70-130	
Methylene Chloride	ug/L	50	46.3	93	63-130	
o-Xylene	ug/L	50	47.6	95	70-130	
Styrene	ug/L	50	48.9	98	70-130	
Tetrachloroethene	ug/L	50	47.2	94	70-130	
Toluene	ug/L	50	46.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.5	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	41.7	83	70-141	
Trichloroethene	ug/L	50	47.1	94	70-130	
Trichlorofluoromethane	ug/L	50	45.8	92	62-133	
Vinyl acetate	ug/L	100	89.3	89	66-157	
Vinyl chloride	ug/L	50	44.1	88	69-130	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALIFIERS

Project: Jackson Co. LF 4/13/11
Pace Project No.: 9292011

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

LABORATORIES

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

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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

1447035

Section A Required Client Information:

Company: Altamont Environmental
Address: 831 Haywood Street
Asheville NC 28801
Email To: cgilbert@altamontenvironmental.com
Phone: 828-281-3350 Fax: 828-281-3351
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Chris Gilbert
Copy To:
Purchase Order No.:
Project Name: Jackson Co. LF
Project Number: 2040.0302

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 (see valid codes to left): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

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

Requested Analysis Filtered (Y/N): Appendix I VOCs 8260; Appendix I Metals

ITEM #	SAMPLE ID	MATRIX CODE	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	Appendix I VOCs 8260	Appendix I Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-01	WT	G			4/13/11	1033	16	4			X	X						X	X		-001
2	MW-02	WT	G			4/13/11	1520	17	4			X	X						X	X		-002
3	MW-03	WT	G			4/13/11	1419	16	4			X	X						X	X		-003
4	MW-04	WT	G			4/13/11	1233	15	4			X	X						X	X		-004
5	MW-05	WT	G			4/13/11	1157	16	4			X	X						X	X		-005
6	MW-06	WT	G			4/13/11	934	15	4			X	X						X	X		-006
7	MW-07	WT	G			4/13/11	1317	15	4			X	X						X	X		-007
8	SW-01	WT	G			4/13/11	1338	12	4			X	X						X	X		-008
9	SW-02	WT	G			4/13/11	1550	14	4			X	X						X	X		-009
10	TRIP BLANK LAB →								2				X						X			-010
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
All analytical results need to include MDL and qualifiers if applicable	Evan Yurevich / Altamont	4/14/11	0850	[signature]	4/14/11	0850	1.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan Yurevich
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/13/2011

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

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: Altamont Project # 9292011

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

Thermometer Used: IR Gun#2-80344039 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.5 C

Corrected Cooler Temp.: 1.0 C **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: RCW 4/14/11

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
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	RP
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: RP **Date:** 4/14/11 **SRF Review:** RP **Date:** 4/14/11

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)