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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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: Katie Massie Phone: (828) 281-3350

E-mail: kmassie@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Madison County Closed Municipal Solid Waste Landfill	389 Long Branch Road Marshall, NC 28753	58-02	.0500	April 29 and 30, 2008

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Joel D. Lenk P.G. (828) 281-3350

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

Signature 7/15/08 Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 2044 GEOLOGIST JOEL D. LENK

Revised 01/2007

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SPRING 2008 SEMIANNUAL WATER QUALITY MONITORING REPORT

MADISON COUNTY CLOSED MUNICIPAL SOLID WASTE LANDFILL

MADISON COUNTY, NORTH CAROLINA

Prepared for
Madison County, North Carolina

July 15, 2008

Prepared by
Altamont Environmental, Inc.
50 College Street
Asheville, North Carolina 28801
(828) 281-3350

Joel D. Lenk
Project Geologist

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1

2.0 METHODS 2

3.0 FINDINGS 4

3.1 Analytical Results 4

4.0 SUMMARY 7

FIGURES

1. Site Location Map – Madison County Closed MSW Landfill
2. Sample Location Map – Madison County Closed MSW Landfill

TABLES

1. Analytical Data and Field Parameters
2. Solid Waste Section Limit Exceedance Notification
3. 2B Standard Exceedance Notification

APPENDICES

A. Sampling Logs and Equipment Calibration Data Sheet
B. Laboratory Analytical Reports

1.0 INTRODUCTION

The Madison County Solid Waste Department maintains a closed solid waste landfill located near Long Branch Road in Madison County, North Carolina (Figure 1). The permit for the landfill requires semiannual monitoring of groundwater and surface water quality. This report describes the first groundwater and surface water quality sampling event that was conducted in 2008. This report is being submitted in accordance with monitoring requirements for closed landfills as stipulated in the North Carolina Department of Environment and Natural Resources (DENR) Division of Waste Management (DWM) Permit No. 58-02 issued to the Madison County Waste Department.

This semiannual report provides an evaluation of the groundwater and surface water quality for the Madison County Closed Landfill (Closed Landfill).

This report contains the following items:

- Groundwater level measurements;
- An illustration of groundwater and surface water sampling locations;
- Groundwater and surface water quality analytical results;
- Sampling logs; and
- Laboratory analytical reports with chain-of-custody documentation.

2.0 METHODS

Closed Landfill monitoring wells (MW-01-OLD and MW-02-OLD), the background spring (BG-SPRING-OLD), surface water sample locations (SW-01-OLD and SW-02-OLD), and domestic wells (DW-01-EDWARDS and DW-02-EDWARDS) were sampled by Altamont Environmental, Inc. (Altamont) personnel on April 29 and 30, 2008. Approximate sample locations are depicted on Figure 2.

Water samples collected from the BG-SPRING-OLD sampling location will be treated as a groundwater sample because:

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

Sampling procedures and analytical results for the groundwater sample collected from BG-SPRING OLD are treated the same as groundwater samples collected from the two monitoring wells at this site.

Prior to collecting groundwater samples from the monitoring wells and the BG-SPRING-OLD location, the static water level and total depth of the wells were measured and recorded in order to calculate a well or boring volume. At each sample location, an initial round of field parameters consisting of pH, specific conductivity, dissolved oxygen, turbidity, and temperature were also collected. Water level measurements and field parameters are included in Table 1. Groundwater sampling points were then purged with a disposable bailer until dry, or a minimum of three well volumes of groundwater was removed. As each consecutive well volume was removed with the bailer, an additional round of groundwater parameters was recorded. Groundwater parameters were measured until pH, specific conductivity, and temperature readings each stabilized to within ten percent of the previous reading, or the well or boring was bailed dry and allowed to recharge.

One set of field parameters and a groundwater sample were collected from two residential drinking water wells adjacent to the site. Field parameters were recorded and a groundwater sample was collected from each well after approximately 30 gallons of groundwater was purged using the dedicated pumps existing

in each of the wells. The groundwater sample from DW-01-EDWARDS was collected from the spigot in the basement because a spigot does not exist at the wellhead. The groundwater sample from DW-02-EDWARDS was collected from the spigot at the wellhead.

Surface water samples SW-01-OLD and SW-02-OLD were collected at designated locations along Profitt Branch, which flows adjacent to the site to the south. The surface water sample collected at SW-01-OLD location represents surface water quality upstream of the landfill, while the surface water sample collected at the SW-02-OLD location represents surface water quality downstream of the landfill. One set of field parameters, including temperature, pH, specific conductivity, dissolved oxygen, and turbidity, was measured and recorded at each surface water sampling location prior to sample collection (see Table 1).

Field parameters and additional observations pertaining to the Closed Landfill sampling locations are provided on the sampling logs included as Appendix A. Water level measurements and field parameters are also included in Table 1. Following sample collection, groundwater and surface water samples were immediately placed on ice in sample coolers for transport to Pace Analytical Laboratories (Pace), a North Carolina certified laboratory located in Asheville, North Carolina. All samples were analyzed for Appendix I volatile organic compounds (VOCs) using US EPA Method 8260, and eight Resource Conservation and Recovery Act (RCRA) metals using US EPA Methods 6010 and 7470. Proper chain-of-custody documentation was followed during collection and shipment of each sample. The documentation is included in Appendix B of this report.

3.0 FINDINGS

3.1 ANALYTICAL RESULTS

Laboratory analytical results for the groundwater and surface water samples collected at the Closed Landfill are compiled in Table 1. Table 1 is displayed in the Electronic Data Deliverable format specified by the Solid Waste Section memorandum dated October 27, 2006. The laboratory analytical report issued by Pace for this sampling event is included as Appendix I.

As stipulated in the October 27, 2006 Solid Waste Section memorandum referenced above, non-detections, concentrations below the laboratory-specific Method Detection Limit (MDL), were reported as "Below Quantitation Limit" (BQL), and all concentrations exceeding the laboratory-specific MDL were reported and appropriately qualified (see Tables 1-3). The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99% confidence that the analyte concentration is greater than zero. All detections were compared to analyte-specific Solid Waste Section Limits (SWSLs) established by the NC Solid Waste Section. The SWSL is the lowest concentration of an analyte in a sample that can be quantitatively determined with suitable precision and accuracy. If the reported concentration is below the SWSL and above the laboratory MDL, then the analytical result is qualified as estimated. These results are flagged with a "J" qualifier (J-flag) in Table 1.

Detected concentrations of analytes in groundwater samples were compared to the standard from the North Carolina Administrative Code (NCAC) Title 15A, Subchapter 2L groundwater quality standards (2L Standard). Detected concentrations of analytes in groundwater with no established 2L Standard were compared to the Groundwater Protection Standard (GWPS) pursuant to 15A NACA 13B.1634. Detections of analytes in surface water sample were compared to the standard from the North Carolina Administrative Code (NCAC) Title 13A, Subchapter 2B surface water quality standards (2B Standard).

Analytical results are summarized as follows:

Groundwater:

- Three metals (lead, selenium, and silver) were detected in the groundwater samples (BG-01-OLD, MW-01-OLD, and MW-02-OLD) only at concentrations below respective SWSLs. These analytical results are qualified with a J-flag, and are shown in Table 1.
- Three metals (barium, chromium, and mercury) were detected in the groundwater samples collected from the background spring (BG-01-OLD) and the monitoring wells at concentrations above the Solid Waste Section Limit (SWSL). These SWSL exceedances are listed in Table 2.
- None of the metal detections in groundwater exceed their respective 2L Standard or GWPS.
- Two VOCs (1,1-dichloroethane and cis-1,2-dichlorobenzene) were detected only at estimated concentrations (J-flags) in groundwater samples collected from the monitoring wells at the landfill. Neither VOC was detected above its respective 2L Standard.
- VOCs were not detected in the background spring BG-01-OLD.
- VOCs were not detected at concentrations exceeding water quality standards (i.e., 2L Standard or GWPS) in groundwater samples collected during the Spring 2008 sampling event at the Closed landfill.

Surface water:

- Metals were not detected in surface water samples above SWSLs.
- Four metals (barium chromium, silver and mercury) were detected in surface water samples only at concentrations below their designated SWSLs (see Table 1).
- The concentration of mercury detected in both surface water samples (0.12 µg/l in each sample) exceeds the 2B Standard of 0.012 µg/l. No other metal was detected at a concentration in excess of its respective 2B Standard.
- VOCs were not detected in surface water samples.

Residential drinking water wells:

- Metals were not detected above 2L Standards or GWPSs in the groundwater samples collected from the residential drinking water wells.
- One metal (barium) was detected in the groundwater samples collected from the drinking water wells (DW-01-EDWARDS and DW-02-EDWARDS) at concentrations above the SWSL.
- Two metals (chromium and mercury) were detected in the one or both of the groundwater samples collected from the residential drinking water wells at concentrations below respective SWSLs (J-flags).
- VOCs were not detected in groundwater samples collected from the drinking water wells.

4.0 SUMMARY

A summary of the semiannual groundwater monitoring event conducted on April 29 and 30, 2008 at the Madison County Closed Solid Waste Landfill is provided below.

Groundwater

VOCs were detected only at concentrations below SWSLs in the groundwater samples collected from the monitoring wells at the landfill. Neither of the VOCs detected during this sampling event (1,1-dichloroethane and cis-1,2-dichloroethene) exceed their respective 2L Standard. 1,4-Dichlobenzene, which was detected in the MW-01-OLD groundwater sample in October 2007, was not detected in either of the groundwater samples collected from monitoring wells at the landfill during this sampling event. VOCs were not detected in the groundwater sample collected from the background spring BG-01-OLD.

Three metals (barium, chromium, and mercury) were detected above their respective SWSLs in groundwater. Metals were not detected at concentrations that exceed 2L Standards or GWPSs. Barium was detected in all three groundwater samples, including the groundwater sample collected from the background spring. Chromium was detected in groundwater samples collected from MW-01-OLD and BG-01-OLD locations. Mercury was detected in the groundwater sample collected from MW-01-OLD.

Surface Water

VOCs were not detected in surface water samples during this sampling event. One metal (mercury) was detected in both surface water samples. Mercury was detected at a concentration of 0.12 µg/l in each surface water sample. The detected concentration of mercury exceeds the 2B Standard of 0.012 µg/l. It appears that the detection of mercury in the surface water is either naturally occurring or is derived from a source other than the landfill since it was detected in the sample upstream of the landfill (SW-01-OLD) and in the sample downstream of the landfill (SW-02-OLD) at equal concentrations. A significantly higher concentration of mercury detected downstream of the landfill would be expected if the landfill were the source of the mercury.

Residential Drinking Water Wells

VOCs were not detected in groundwater samples collected from drinking water wells. Only one metal (barium) was detected above its SWSL in both groundwater samples collected from the DW-01-EDWARDS and DW-02-EDWARDS wells. Metals were not detected in either residential drinking water well at concentrations in excess of 2L Standards or GWPSs.

Altamont will continue to monitor metals and VOCs on a semi-annual basis at the Madison County Closed Solid Waste Landfill. The next sampling event is scheduled for October 2008.

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Well Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 04-30-08
LOCATION: Madison County, North Carolina
SAMPLING TIME: 9:22
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: sunny

WELL NUMBER: MW-01-01d
WELL DEPTH IN FEET (WD): 20.65
START TIME: 8:55
WELL DIAMETER: 2"
WATER LEVEL IN FEET (WL): 7.37
TYPE OF CASING: PVC
LENGTH OF WATER COLUMN: 13.28 FEET
MEASURING POINT: TOC
(WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP
ONE CASING VOLUME: 2.26 GALLONS
COMMENTS:
(LWC) x (WCV)
THREE CASING VOLUMES: 6.78 GALLONS
ACTUAL VOLUME PURGED: 7.00 GALLONS

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

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	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	0	6.55	258	10.21	4.50	124.6	5.97	
2	2.25	6.29	280	10.02	4.03	139.0	837.9	water brown
3	4.50	6.26	291	10.38	3.87	145.7	945.1	water brown
4	7.00	6.18	294	10.17	3.73	156.7	777.2	water brown
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	~~2~~ 1	RCRA Metals by 6000/7000
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

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

Sampling Personnel Signature: **Date:**

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

access currently ok. ~~please~~ be sure to maintain access as vegetation grows between sampling events

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Well Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 4-29-08
LOCATION: Madison County, North Carolina
SAMPLING TIME: 17:32
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: Partly Cloudy, Cool

WELL NUMBER: MW-02-OLD
WELL DEPTH IN FEET (WD): 43.40
START TIME: 16:45
WELL DIAMETER: 2"
WATER LEVEL IN FEET (WL): 8.41
TYPE OF CASING: PVC
LENGTH OF WATER COLUMN : 34.99 FEET
MEASURING POINT: TOC
(WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP
ONE CASING VOLUME: 5.95 GALLONS
COMMENTS: Well bailed dry at ~12 gallons. Let well recharge and collected sample
(LWC) x (WCV)
THREE CASING VOLUMES: 17.85 GALLONS
ACTUAL VOLUME PURGED: ~12.0 GALLONS

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

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	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	initial	6.67	296	11.72	6.59	110.1	10.52	
2	6.0	6.58	307	12.74	5.85	118.5	27.80	
3	12.0	6.56	309	12.86	4.68	126.6	86.43	
4								
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1 ~~2~~	RCRA Metals by 6000/7000
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

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

Sampling Personnel Signature: [signature] **Date:** 4-29-08

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 4-30-08
LOCATION: Madison County, North Carolina
SAMPLING TIME: 10:31
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: sunny, cool

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

WELL DEPTH IN FEET (WD): 14.90
START TIME: 10:06
WATER LEVEL IN FEET (WL): 6.21
LENGTH OF WATER COLUMN : 8.69 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 1.48 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 4.44 GALLONS
ACTUAL VOLUME PURGED: GALLONS

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

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	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	initial	6.20	237	10.76	5.07	91.0	84.61	water murky
2	1.5	5.83	241	10.83	3.40	92.6	151.80	water murky
3	3.0	5.77	245	10.90	2.86	97.9	167.10	water murky
4	4.5	5.79	247	10.86	2.89	102.0	168.00	
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	RCRA Metals by 6000/7000
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: N/A PAD: Y LOCK: N/A VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: **Date:**

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

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Surface Water Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 04-30-08
LOCATION: Madison County, North Carolina
SAMPLING TIME: 9:42
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: Sunny, Cool

SAMPLE NAME: SW-01-OLD

START TIME: 9:34
END TIME: 9:45

COMMENTS: upstream surface water sample

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

READING	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.66	240	7.11	11.93	149.9	~~12.32~~ ←	9.64
2							
3							
4							
5							
6							
7							
8							
9							

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
125 ml PLASTIC		
250 ml PLASTIC	1	RCRA Metals by 6000/7000
500 ml PLASTIC		
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

VEGETATION: OK ACCESS: good

Sampling Personnel Signature: **Date:**

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

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Surface Water Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 04-30-08
LOCATION: Madison County, North Carolina
SAMPLING TIME: 9:55
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: sunny, cool

SAMPLE NAME: SW-02-OLD

START TIME: 9:50
END TIME: 9:56

COMMENTS:

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

READING	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.92	235	8.17	13.00	142.3	5.23	
2							
3							
4							
5							
6							
7							
8							
9							

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
125 ml PLASTIC		
250 ml PLASTIC	1	RCRA Metals by 6000/7000
500 ml PLASTIC		
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: **Date:**

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 30 April 2008 (04-30-08)
LOCATION: Madison County, North Carolina
SAMPLING TIME: 8:24
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: Sunny

WELL NUMBER: DW-01-Edwards
WELL DEPTH IN FEET (WD): —
START TIME: 8:15
WELL DIAMETER: —
WATER LEVEL IN FEET (WL): —
TYPE OF CASING: —
LENGTH OF WATER COLUMN: — FEET
MEASURING POINT: —
(WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP
ONE CASING VOLUME: — GALLONS
COMMENTS: sample collected from basement tap
(LWC) x (WCV)
THREE CASING VOLUMES: — GALLONS
ACTUAL VOLUME PURGED: 30 GALLONS

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

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	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	30	6.42	327	15.20	4.37	107.2	3.65	
2								
3								
4								
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	RCRA Metals by 6000/7000
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: N/A PAD: N/A LOCK: N/A VEGETATION: N/A ACCESS: good

Sampling Personnel Signature: **Date:**

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

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
50 COLLEGE STREET, ASHEVILLE, NC 28801
TEL. 828.281.3350 FAC .828.281.3351
www.altamontenvironmental.com

Well Sampling Log

FACILITY NAME: Madison County Landfill - Closed
DATE: 04-30-08
LOCATION: Madison County, North Carolina
SAMPLING TIME: 8:40
SAMPLING PERSONNEL: Jon Hazinski
WEATHER: Sunny

WELL NUMBER: DW-02-Edwards
WELL DIAMETER: —
TYPE OF CASING: —
MEASURING POINT: —
FLUSH MOUNT / STICK-UP
COMMENTS: Sample collected from spigot on well head

WELL DEPTH IN FEET (WD): —
START TIME: 8:30
WATER LEVEL IN FEET (WL): —
LENGTH OF WATER COLUMN: — FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: — GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: — GALLONS
ACTUAL VOLUME PURGED: 30 GALLONS

WELL CASING VOLUMES (WCV)
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	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	30	6.82	302	13.44	5.10	105.0	3.76	
2								
3								
4								
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	RCRA Metals by 6000/7000
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: NA PAD: N/A LOCK: NA VEGETATION: N/A ACCESS: good

Sampling Personnel Signature: **Date:**

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

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Madison County Landfills
Project Number: 2006.12
Project Location: Madison County, North Carolina

Equipment Documentation

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

Equipment Type	Manufacturer	Serial Number	Date of Use
150-ft Water Level	Heron	7186	
150-ft Water Level	Solinst	26154	
150-ft Water Level	Solinst	22754	
150-ft Water Level	Testwell	150	4-28+30-08

Calibration Documentation

Person Conducting Calibration: Jon Hazinski
Date of Calibration: 4-28-08
Date of Field Measurements: 4-29+30-08

Micro TPW Turbidity Meter

Calibration Time	Calib Standard Exp	Instrument Serial #	Instrument Reading		
			1000 NTU	10.0 NTU	0.02 NTU
17:40	Sept 2008	200601045	Initial: 942.3 Cal: 1068	Initial: 9.56 Cal: 9.22	Initial: 0.00 Cal: 0.50

YSI 556 Multiparameter Meter

Calibration Time	Calib Standard Expiration Date	Instrument Serial Number	Instrument Readings						
			pH 4	pH 7	pH 10	QC pH 7	Conductivity 447 µS	QC 84 µS	ORP 200 mV
17:40	Oct 09	07D100979	Initial: 4.01 Cal: 4.00	Initial: 6.99 Cal: 7.00	Initial: 9.93 Cal: 9.99	Meas: 7.07	Initial: 450 Cal: 448	Meas: 81	Initial: 192.7 Cal: 200.0
			Initial: Cal:	Initial: Cal:	Initial: Cal:	Meas:	Initial: Cal:	Meas:	Initial: Cal:

Comments:

Signature and Date: 4-28-08

Note: Electronic equipment calibrated according to the manufacturer's operation manual.

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(704)875-9092

June 02, 2008

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

RE: Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9218380001	**MW-01-OLD**	Water	04/30/08 09:22	04/30/08 15:25
9218380002	**MW-02-OLD**	Water	04/29/08 17:32	04/30/08 15:25
9218380003	**BG-SPRING-OLD**	Water	04/30/08 10:31	04/30/08 15:25
9218380004	**SW-01-OLD**	Water	04/30/08 09:42	04/30/08 15:25
9218380005	**SW-02-OLD**	Water	04/30/08 09:55	04/30/08 15:25
9218380006	**Trip Blank (Closed Landfill)**	Water	04/30/08 00:00	04/30/08 15:25

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SAMPLE ANALYTE COUNT

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9218380001	**MW-01-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9218380002	**MW-02-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9218380003	**BG-SPRING-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9218380004	**SW-01-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9218380005	**SW-02-OLD**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9218380006	**Trip Blank (Closed Landfill)**	EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: MW-01-OLD **Lab ID: 9218380001** Collected: 04/30/08 09:22 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/07/08 22:04	7440-38-2	
Barium	**530**	ug/L	5.0	0.20	1	05/07/08 11:20	05/07/08 22:04	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/07/08 22:04	7440-43-9	
Chromium	**10.6**	ug/L	5.0	0.40	1	05/07/08 11:20	05/07/08 22:04	7440-47-3	
Lead	**7.2**	ug/L	5.0	4.0	1	05/07/08 11:20	05/07/08 22:04	7439-92-1	
Selenium	**6.9J**	ug/L	10.0	3.8	1	05/07/08 11:20	05/07/08 22:04	7782-49-2	
Silver	**0.11J**	ug/L	5.0	0.10	1	05/07/08 11:20	05/07/08 22:04	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.21**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:30	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/01/08 17:24	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/01/08 17:24	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/01/08 17:24	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/01/08 17:24	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/01/08 17:24	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:24	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/01/08 17:24	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/01/08 17:24	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/01/08 17:24	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/01/08 17:24	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 17:24	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/01/08 17:24	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/01/08 17:24	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/01/08 17:24	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/01/08 17:24	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 17:24	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/01/08 17:24	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 17:24	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 17:24	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/01/08 17:24	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/01/08 17:24	110-57-6	
1,1-Dichloroethane	**0.34J**	ug/L	1.0	0.32	1		05/01/08 17:24	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/01/08 17:24	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/01/08 17:24	75-35-4	
cis-1,2-Dichloroethene	**0.65J**	ug/L	1.0	0.19	1		05/01/08 17:24	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/01/08 17:24	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/01/08 17:24	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/01/08 17:24	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:24	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 17:24	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/01/08 17:24	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/01/08 17:24	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/01/08 17:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/01/08 17:24	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: MW-01-OLD **Lab ID: 9218380001** Collected: 04/30/08 09:22 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/01/08 17:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/01/08 17:24	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/01/08 17:24	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:24	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/01/08 17:24	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/01/08 17:24	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/01/08 17:24	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/01/08 17:24	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/01/08 17:24	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/01/08 17:24	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/01/08 17:24	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/01/08 17:24	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/01/08 17:24	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 17:24	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		05/01/08 17:24	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		05/01/08 17:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	79-120		1		05/01/08 17:24	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		05/01/08 17:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: MW-02-OLD **Lab ID: 9218380002** Collected: 04/29/08 17:32 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/07/08 22:08	7440-38-2	
Barium	**101**	ug/L	5.0	0.20	1	05/07/08 11:20	05/07/08 22:08	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/07/08 22:08	7440-43-9	
Chromium	**8.9**	ug/L	5.0	0.40	1	05/07/08 11:20	05/07/08 22:08	7440-47-3	
Lead	**<4.0**	ug/L	5.0	4.0	1	05/07/08 11:20	05/07/08 22:08	7439-92-1	
Selenium	**<3.8**	ug/L	10.0	3.8	1	05/07/08 11:20	05/07/08 22:08	7782-49-2	
Silver	**<0.10**	ug/L	5.0	0.10	1	05/07/08 11:20	05/07/08 22:08	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.14J**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:33	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/01/08 17:48	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/01/08 17:48	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/01/08 17:48	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/01/08 17:48	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/01/08 17:48	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:48	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/01/08 17:48	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/01/08 17:48	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/01/08 17:48	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/01/08 17:48	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 17:48	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/01/08 17:48	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/01/08 17:48	67-66-3	
Chloromethane	**0.25J**	ug/L	1.0	0.11	1		05/01/08 17:48	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/01/08 17:48	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 17:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/01/08 17:48	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 17:48	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 17:48	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/01/08 17:48	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/01/08 17:48	110-57-6	
1,1-Dichloroethane	**0.34J**	ug/L	1.0	0.32	1		05/01/08 17:48	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/01/08 17:48	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/01/08 17:48	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/01/08 17:48	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/01/08 17:48	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/01/08 17:48	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/01/08 17:48	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:48	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 17:48	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/01/08 17:48	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/01/08 17:48	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/01/08 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/01/08 17:48	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: MW-02-OLD **Lab ID: 9218380002** Collected: 04/29/08 17:32 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/01/08 17:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/01/08 17:48	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/01/08 17:48	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 17:48	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/01/08 17:48	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/01/08 17:48	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/01/08 17:48	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/01/08 17:48	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/01/08 17:48	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/01/08 17:48	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/01/08 17:48	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/01/08 17:48	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/01/08 17:48	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 17:48	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		05/01/08 17:48	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		05/01/08 17:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		05/01/08 17:48	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		05/01/08 17:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: BG-SPRING-OLD **Lab ID: 9218380003** Collected: 04/30/08 10:31 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/07/08 22:12	7440-38-2	
Barium	**298**	ug/L	5.0	0.20	1	05/07/08 11:20	05/07/08 22:12	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/07/08 22:12	7440-43-9	
Chromium	**21.9**	ug/L	5.0	0.40	1	05/07/08 11:20	05/07/08 22:12	7440-47-3	
Lead	**<4.0**	ug/L	5.0	4.0	1	05/07/08 11:20	05/07/08 22:12	7439-92-1	
Selenium	**5.7J**	ug/L	10.0	3.8	1	05/07/08 11:20	05/07/08 22:12	7782-49-2	
Silver	**<0.10**	ug/L	5.0	0.10	1	05/07/08 11:20	05/07/08 22:12	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.14J**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:35	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/01/08 18:12	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/01/08 18:12	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/01/08 18:12	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/01/08 18:12	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/01/08 18:12	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:12	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/01/08 18:12	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/01/08 18:12	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/01/08 18:12	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/01/08 18:12	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 18:12	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/01/08 18:12	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/01/08 18:12	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/01/08 18:12	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/01/08 18:12	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 18:12	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/01/08 18:12	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 18:12	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 18:12	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/01/08 18:12	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/01/08 18:12	110-57-6	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		05/01/08 18:12	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/01/08 18:12	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/01/08 18:12	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/01/08 18:12	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/01/08 18:12	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/01/08 18:12	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/01/08 18:12	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:12	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 18:12	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/01/08 18:12	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/01/08 18:12	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/01/08 18:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/01/08 18:12	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: BG-SPRING-OLD **Lab ID: 9218380003** Collected: 04/30/08 10:31 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:12	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/01/08 18:12	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/01/08 18:12	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/01/08 18:12	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:12	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/01/08 18:12	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/01/08 18:12	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/01/08 18:12	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/01/08 18:12	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/01/08 18:12	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/01/08 18:12	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/01/08 18:12	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/01/08 18:12	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/01/08 18:12	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 18:12	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109		1		05/01/08 18:12	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		05/01/08 18:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	79-120		1		05/01/08 18:12	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		05/01/08 18:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: SW-01-OLD **Lab ID: 9218380004** Collected: 04/30/08 09:42 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/07/08 22:16	7440-38-2	
Barium	**55.0**	ug/L	5.0	0.20	1	05/07/08 11:20	05/07/08 22:16	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/07/08 22:16	7440-43-9	
Chromium	**<0.40**	ug/L	5.0	0.40	1	05/07/08 11:20	05/07/08 22:16	7440-47-3	
Lead	**<4.0**	ug/L	5.0	4.0	1	05/07/08 11:20	05/07/08 22:16	7439-92-1	
Selenium	**<3.8**	ug/L	10.0	3.8	1	05/07/08 11:20	05/07/08 22:16	7782-49-2	
Silver	**0.11J**	ug/L	5.0	0.10	1	05/07/08 11:20	05/07/08 22:16	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.12J**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:38	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/01/08 18:35	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/01/08 18:35	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/01/08 18:35	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/01/08 18:35	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/01/08 18:35	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:35	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/01/08 18:35	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/01/08 18:35	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/01/08 18:35	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/01/08 18:35	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 18:35	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/01/08 18:35	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/01/08 18:35	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/01/08 18:35	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/01/08 18:35	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 18:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/01/08 18:35	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 18:35	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 18:35	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/01/08 18:35	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/01/08 18:35	110-57-6	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		05/01/08 18:35	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/01/08 18:35	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/01/08 18:35	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/01/08 18:35	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/01/08 18:35	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/01/08 18:35	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/01/08 18:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:35	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 18:35	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/01/08 18:35	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/01/08 18:35	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/01/08 18:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/01/08 18:35	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: SW-01-OLD **Lab ID: 9218380004** Collected: 04/30/08 09:42 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/01/08 18:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/01/08 18:35	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/01/08 18:35	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:35	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/01/08 18:35	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/01/08 18:35	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/01/08 18:35	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/01/08 18:35	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/01/08 18:35	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/01/08 18:35	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/01/08 18:35	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/01/08 18:35	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/01/08 18:35	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 18:35	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		05/01/08 18:35	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		05/01/08 18:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	79-120		1		05/01/08 18:35	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		05/01/08 18:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: SW-02-OLD **Lab ID: 9218380005** Collected: 04/30/08 09:55 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/08/08 09:58	7440-38-2	
Barium	**46.7**	ug/L	5.0	0.20	1	05/07/08 11:20	05/08/08 09:58	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/08/08 09:58	7440-43-9	
Chromium	**1.5J**	ug/L	5.0	0.40	1	05/07/08 11:20	05/08/08 09:58	7440-47-3	
Lead	**<4.0**	ug/L	5.0	4.0	1	05/07/08 11:20	05/08/08 09:58	7439-92-1	
Selenium	**<3.8**	ug/L	10.0	3.8	1	05/07/08 11:20	05/08/08 09:58	7782-49-2	
Silver	**0.13J**	ug/L	5.0	0.10	1	05/07/08 11:20	05/08/08 09:58	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.12J**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:40	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/01/08 18:59	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/01/08 18:59	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/01/08 18:59	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/01/08 18:59	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/01/08 18:59	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:59	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/01/08 18:59	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/01/08 18:59	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/01/08 18:59	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/01/08 18:59	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 18:59	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/01/08 18:59	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/01/08 18:59	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/01/08 18:59	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/01/08 18:59	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 18:59	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/01/08 18:59	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 18:59	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 18:59	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/01/08 18:59	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/01/08 18:59	110-57-6	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		05/01/08 18:59	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/01/08 18:59	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/01/08 18:59	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/01/08 18:59	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/01/08 18:59	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/01/08 18:59	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/01/08 18:59	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:59	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 18:59	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/01/08 18:59	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/01/08 18:59	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/01/08 18:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/01/08 18:59	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: SW-02-OLD **Lab ID: 9218380005** Collected: 04/30/08 09:55 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/01/08 18:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/01/08 18:59	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/01/08 18:59	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 18:59	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/01/08 18:59	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/01/08 18:59	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/01/08 18:59	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/01/08 18:59	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/01/08 18:59	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/01/08 18:59	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/01/08 18:59	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/01/08 18:59	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/01/08 18:59	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 18:59	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		05/01/08 18:59	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		05/01/08 18:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	79-120		1		05/01/08 18:59	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		05/01/08 18:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: Trip Blank (Closed Landfill) **Lab ID: 9218380006** Collected: 04/30/08 00:00 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/01/08 15:51	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/01/08 15:51	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/01/08 15:51	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/01/08 15:51	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/01/08 15:51	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/01/08 15:51	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/01/08 15:51	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/01/08 15:51	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/01/08 15:51	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/01/08 15:51	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 15:51	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/01/08 15:51	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/01/08 15:51	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/01/08 15:51	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/01/08 15:51	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 15:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/01/08 15:51	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/01/08 15:51	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 15:51	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/01/08 15:51	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/01/08 15:51	110-57-6	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		05/01/08 15:51	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/01/08 15:51	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/01/08 15:51	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/01/08 15:51	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/01/08 15:51	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/01/08 15:51	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/01/08 15:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 15:51	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/01/08 15:51	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/01/08 15:51	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/01/08 15:51	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/01/08 15:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/01/08 15:51	108-10-1	
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 15:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/01/08 15:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/01/08 15:51	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/01/08 15:51	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/01/08 15:51	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/01/08 15:51	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/01/08 15:51	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/01/08 15:51	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/01/08 15:51	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/01/08 15:51	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/01/08 15:51	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/01/08 15:51	75-01-4	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

Sample: Trip Blank (Closed Landfill) **Lab ID: 9218380006** Collected: 04/30/08 00:00 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/01/08 15:51	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/01/08 15:51	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/01/08 15:51	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		05/01/08 15:51	460-00-4	
Dibromofluoromethane (S)	105	%	85-115		1		05/01/08 15:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		05/01/08 15:51	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		05/01/08 15:51	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

QC Batch: MSV/3273 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004, 9218380005, 9218380006

METHOD BLANK: 108462
Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004, 9218380005, 9218380006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	1.0	
1,1,2-Trichloroethane	ug/L	<0.29	1.0	
1,1-Dichloroethane	ug/L	<0.32	1.0	
1,1-Dichloroethene	ug/L	<0.56	1.0	
1,2,3-Trichloropropane	ug/L	<0.41	1.0	
1,2-Dibromo-3-chloropropane	ug/L	<2.5	3.0	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	
1,2-Dichlorobenzene	ug/L	<0.30	1.0	
1,2-Dichloroethane	ug/L	<0.12	1.0	
1,2-Dichloropropane	ug/L	<0.27	1.0	
1,4-Dichlorobenzene	ug/L	<0.33	1.0	
2-Butanone (MEK)	ug/L	<0.96	5.0	
2-Hexanone	ug/L	<0.46	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	5.0	
Acetone	ug/L	<2.2	25.0	
Acrylonitrile	ug/L	<1.9	10.0	
Benzene	ug/L	<0.25	1.0	
Bromochloromethane	ug/L	<0.17	1.0	
Bromodichloromethane	ug/L	<0.18	1.0	
Bromoform	ug/L	<0.26	1.0	
Bromomethane	ug/L	<0.29	5.0	
Carbon disulfide	ug/L	<1.2	2.0	
Carbon tetrachloride	ug/L	<0.25	1.0	
Chlorobenzene	ug/L	<0.23	1.0	
Chloroethane	ug/L	<0.54	1.0	
Chloroform	ug/L	<0.14	1.0	
Chloromethane	ug/L	<0.11	1.0	
cis-1,2-Dichloroethene	ug/L	<0.19	1.0	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	
Dibromochloromethane	ug/L	<0.21	1.0	
Dibromomethane	ug/L	<0.21	1.0	
Ethylbenzene	ug/L	<0.30	1.0	
Iodomethane	ug/L	<0.32	5.0	
m&p-Xylene	ug/L	<0.66	2.0	
Methylene Chloride	ug/L	1.5J	2.0	
o-Xylene	ug/L	<0.23	1.0	
Styrene	ug/L	<0.26	1.0	
Tetrachloroethene	ug/L	<0.46	1.0	
Toluene	ug/L	<0.26	1.0	
trans-1,2-Dichloroethene	ug/L	<0.49	1.0	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	

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(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

METHOD BLANK: 108462

Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004, 9218380005, 9218380006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Trichloroethene	ug/L	<0.47	1.0	
Trichlorofluoromethane	ug/L	<0.20	1.0	
Vinyl acetate	ug/L	<0.35	2.0	
Vinyl chloride	ug/L	<0.62	1.0	
Xylene (Total)	ug/L	<0.66	2.0	
1,2-Dichloroethane-d4 (S)	%	106	79-120	
4-Bromofluorobenzene (S)	%	103	87-109	
Dibromofluoromethane (S)	%	105	85-115	
Toluene-d8 (S)	%	101	70-120	

LABORATORY CONTROL SAMPLE: 108463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.9	100	83-125	
1,1,1-Trichloroethane	ug/L	50	56.9	114	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	56.1	112	73-127	
1,1,2-Trichloroethane	ug/L	50	53.5	107	77-123	
1,1-Dichloroethane	ug/L	50	54.4	109	76-129	
1,1-Dichloroethene	ug/L	50	51.5	103	78-146	
1,2,3-Trichloropropane	ug/L	50	53.9	108	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	56.6	113	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	56.0	112	81-125	
1,2-Dichlorobenzene	ug/L	50	48.4	97	82-126	
1,2-Dichloroethane	ug/L	50	52.4	105	72-126	
1,2-Dichloropropane	ug/L	50	52.3	105	80-127	
1,4-Dichlorobenzene	ug/L	50	52.4	105	79-125	
2-Butanone (MEK)	ug/L	100	112	112	50-134	
2-Hexanone	ug/L	100	121	121	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-131	
Acetone	ug/L	100	109	109	50-146	
Acrylonitrile	ug/L	250	223	89	66-124	
Benzene	ug/L	50	50.9	102	78-128	
Bromochloromethane	ug/L	50	50.2	100	73-124	
Bromodichloromethane	ug/L	50	55.3	111	81-125	
Bromoform	ug/L	50	48.0	96	71-125	
Bromomethane	ug/L	50	41.5	83	50-150	
Carbon disulfide	ug/L	50	51.2	102	54-150	
Carbon tetrachloride	ug/L	50	66.1	132	81-137	
Chlorobenzene	ug/L	50	51.0	102	82-126	
Chloroethane	ug/L	50	53.2	106	69-140	
Chloroform	ug/L	50	55.2	110	77-129	
Chloromethane	ug/L	50	48.3	97	54-139	
cis-1,2-Dichloroethene	ug/L	50	53.3	107	76-133	
cis-1,3-Dichloropropene	ug/L	50	56.0	112	76-127	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

LABORATORY CONTROL SAMPLE: 108463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	49.9	100	77-125	
Dibromomethane	ug/L	50	49.3	99	77-125	
Ethylbenzene	ug/L	50	51.5	103	80-127	
Iodomethane	ug/L	100	88.4	88	65-172	
m&p-Xylene	ug/L	100	104	104	82-127	
Methylene Chloride	ug/L	50	51.0	102	67-133	
o-Xylene	ug/L	50	53.3	107	83-124	
Styrene	ug/L	50	53.8	108	80-130	
Tetrachloroethene	ug/L	50	49.8	100	78-128	
Toluene	ug/L	50	51.3	103	76-126	
trans-1,2-Dichloroethene	ug/L	50	53.8	108	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.1	102	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	64.7	129	51-140	
Trichloroethene	ug/L	50	51.5	103	79-127	
Trichlorofluoromethane	ug/L	50	52.8	106	76-148	
Vinyl acetate	ug/L	100	154	154	50-150	L3
Vinyl chloride	ug/L	50	51.0	102	67-143	
Xylene (Total)	ug/L	150	157	105	83-125	
1,2-Dichloroethane-d4 (S)	%			104	79-120	
4-Bromofluorobenzene (S)	%			103	87-109	
Dibromofluoromethane (S)	%			106	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 108464 108465

Parameter	Units	9218380001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	<0.56	50	50	74.6	74.4	149	149	60-150	.2	30	
Benzene	ug/L	<0.25	50	50	66.8	67.3	134	135	74-136	.7	30	
Chlorobenzene	ug/L	<0.23	50	50	63.8	66.5	128	133	79-135	4	30	
Toluene	ug/L	<0.26	50	50	65.7	66.4	131	133	73-131	1	30	M1
Trichloroethene	ug/L	<0.47	50	50	64.9	65.2	130	130	73-131	.3	30	
1,2-Dichloroethane-d4 (S)	%						107	109	79-120			
4-Bromofluorobenzene (S)	%						101	102	87-109			
Dibromofluoromethane (S)	%						104	103	85-115			
Toluene-d8 (S)	%						101	98	70-120			

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

QC Batch: MERP/1459 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004, 9218380005

METHOD BLANK: 109390
Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004, 9218380005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	<0.090	0.20	

LABORATORY CONTROL SAMPLE: 109391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.8	114	80-120	

MATRIX SPIKE SAMPLE: 109392

Parameter	Units	9218036001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	93	75-125	

SAMPLE DUPLICATE: 109393

Parameter	Units	9218038001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.65	0.15J	123	25	R3

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

QC Batch: MPRP/2299 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004

METHOD BLANK: 110178
Associated Lab Samples: 9218380001, 9218380002, 9218380003, 9218380004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	<2.7	5.0	
Barium	ug/L	<0.20	5.0	
Cadmium	ug/L	<0.50	1.0	
Chromium	ug/L	<0.40	5.0	
Lead	ug/L	<4.0	5.0	
Selenium	ug/L	<3.8	10.0	
Silver	ug/L	<0.10	5.0	

LABORATORY CONTROL SAMPLE: 110179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	482	96	80-120	
Barium	ug/L	500	479	96	80-120	
Cadmium	ug/L	500	486	97	80-120	
Chromium	ug/L	500	493	99	80-120	
Lead	ug/L	500	499	100	80-120	
Selenium	ug/L	500	474	95	80-120	
Silver	ug/L	250	241	96	80-120	

MATRIX SPIKE SAMPLE: 110180

Parameter	Units	9218565018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	483	96	75-125	
Barium	ug/L	65.4	500	522	91	75-125	
Cadmium	ug/L	ND	500	476	95	75-125	
Chromium	ug/L	ND	500	489	97	75-125	
Lead	ug/L	ND	500	479	96	75-125	
Selenium	ug/L	ND	500	476	94	75-125	
Silver	ug/L	ND	250	236	94	75-125	

SAMPLE DUPLICATE: 110181

Parameter	Units	9218565019 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	<2.7	200	20	
Barium	ug/L	207	204	1	20	
Cadmium	ug/L	ND	<0.50	74	20	
Chromium	ug/L	383	378	1	20	
Lead	ug/L	ND	<4.0	0	20	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

SAMPLE DUPLICATE: 110181

Parameter	Units	9218565019 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	ug/L	ND	<3.8	111	20	
Silver	ug/L	ND	0.86J	6	20	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

QC Batch: MPRP/2302
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 9218380005

METHOD BLANK: 110202
Associated Lab Samples: 9218380005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	<2.7	5.0	
Barium	ug/L	<0.20	5.0	
Cadmium	ug/L	<0.50	1.0	
Chromium	ug/L	<0.40	5.0	
Lead	ug/L	<4.0	5.0	
Selenium	ug/L	<3.8	10.0	
Silver	ug/L	<0.10	5.0	

LABORATORY CONTROL SAMPLE: 110203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	481	96	80-120	
Barium	ug/L	500	477	95	80-120	
Cadmium	ug/L	500	486	97	80-120	
Chromium	ug/L	500	493	99	80-120	
Lead	ug/L	500	501	100	80-120	
Selenium	ug/L	500	470	94	80-120	
Silver	ug/L	250	240	96	80-120	

MATRIX SPIKE SAMPLE: 110204

Parameter	Units	9218380005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	<2.7	500	503	100	75-125	
Barium	ug/L	46.7	500	523	95	75-125	
Cadmium	ug/L	<0.50	500	493	99	75-125	
Chromium	ug/L	1.5J	500	502	100	75-125	
Lead	ug/L	<4.0	500	499	100	75-125	
Selenium	ug/L	<3.8	500	490	97	75-125	
Silver	ug/L	0.13J	250	245	98	75-125	

SAMPLE DUPLICATE: 110205

Parameter	Units	9218381001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	<2.7	<2.7	0	20	
Barium	ug/L	186	186	0	20	
Cadmium	ug/L	<0.50	<0.50	0	20	
Chromium	ug/L	<0.40	<0.40	54	20	
Lead	ug/L	<4.0	<4.0	0	20	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

SAMPLE DUPLICATE: 110205

Parameter	Units	9218381001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	ug/L	<3.8	<3.8	0	20	
Silver	ug/L	<0.10	<0.10	45	20	

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QUALIFIERS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218380

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.

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LABORATORIES

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

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1163867

Section A Required Client Information:

Company: Altamont Environmental
Address: 50 College St
Asheville, NC 28801
Email To: jlenk@altamontenvironmental.com
Phone: 281-3350 Fax: 281-3351
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Joel Lenk
Copy To:
Purchase Order No.:
Project Name: Madison County Closed Landfill
Project Number: 2006.1201

Section C Invoice Information:

Attention: Judith Robertson
Company Name: Altamont
Address: same
Pace Quote Reference:
Pace Project Manager: Lorri Patton
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): Y/N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: RCRA metals 6000/7000	Appendix I VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9218380
1	MW-01-OLD	wt	G			4-30	9:22	10	4			1	3					X	X		9218380001
2	MW-02-OLD	wt	G			4-29	17:32	13	4			1	3					X	X		9218380002
3	BG-SPRING-OLD	wt	G			4-30	10:31	11	4			1	3					X	X		9218380003
4	SW-01-OLD	wt	G			4-30	9:42	7	4			1	3					X	X		9218380004
5	SW-02-OLD	wt	G			4-30	9:55	8	4			1	3					X	X		9218380005
6	Trip Blank	wt	G										3						X		9218380006
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
VOC by 8260 low level	Jon Hazinski	4-30-08	1525	[signature]	4/30/08	15:25	3.8	Y	N	Y
All analytical results need to include MDL and qualifiers if applicable										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Hazinski

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04-30-08

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

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June 02, 2008

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

RE: Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Dear Mr. Lenk:
Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9218381001	**DW-01-EDWARDS**	Water	04/30/08 08:24	04/30/08 15:25
9218381002	**DW-02-EDWARDS**	Water	04/30/08 08:40	04/30/08 15:25

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SAMPLE ANALYTE COUNT

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9218381001	**DW-01-EDWARDS**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9218381002	**DW-02-EDWARDS**	EPA 6010	JMW	7	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Sample: DW-01-EDWARDS **Lab ID: 9218381001** Collected: 04/30/08 08:24 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/08/08 10:07	7440-38-2	
Barium	**186**	ug/L	5.0	0.20	1	05/07/08 11:20	05/08/08 10:07	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/08/08 10:07	7440-43-9	
Chromium	**<0.40**	ug/L	5.0	0.40	1	05/07/08 11:20	05/08/08 10:07	7440-47-3	
Lead	**<4.0**	ug/L	5.0	4.0	1	05/07/08 11:20	05/08/08 10:07	7439-92-1	
Selenium	**<3.8**	ug/L	10.0	3.8	1	05/07/08 11:20	05/08/08 10:07	7782-49-2	
Silver	**<0.10**	ug/L	5.0	0.10	1	05/07/08 11:20	05/08/08 10:07	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.11J**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:43	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/06/08 13:16	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/06/08 13:16	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/06/08 13:16	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/06/08 13:16	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/06/08 13:16	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/06/08 13:16	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/06/08 13:16	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/06/08 13:16	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/06/08 13:16	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/06/08 13:16	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/06/08 13:16	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/06/08 13:16	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/06/08 13:16	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/06/08 13:16	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/06/08 13:16	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/06/08 13:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/06/08 13:16	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/06/08 13:16	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/06/08 13:16	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/06/08 13:16	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/06/08 13:16	110-57-6	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		05/06/08 13:16	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/06/08 13:16	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/06/08 13:16	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/06/08 13:16	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/06/08 13:16	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/06/08 13:16	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/06/08 13:16	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/06/08 13:16	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/06/08 13:16	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/06/08 13:16	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/06/08 13:16	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/06/08 13:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/06/08 13:16	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Sample: DW-01-EDWARDS **Lab ID: 9218381001** Collected: 04/30/08 08:24 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/06/08 13:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/06/08 13:16	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/06/08 13:16	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/06/08 13:16	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/06/08 13:16	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/06/08 13:16	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/06/08 13:16	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/06/08 13:16	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/06/08 13:16	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/06/08 13:16	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/06/08 13:16	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/06/08 13:16	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/06/08 13:16	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/06/08 13:16	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/06/08 13:16	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		05/06/08 13:16	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		05/06/08 13:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		05/06/08 13:16	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		05/06/08 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Sample: DW-02-EDWARDS **Lab ID: 9218381002** Collected: 04/30/08 08:40 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**<2.7**	ug/L	5.0	2.7	1	05/07/08 11:20	05/08/08 10:14	7440-38-2	
Barium	**109**	ug/L	5.0	0.20	1	05/07/08 11:20	05/08/08 10:14	7440-39-3	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	05/07/08 11:20	05/08/08 10:14	7440-43-9	
Chromium	**0.48J**	ug/L	5.0	0.40	1	05/07/08 11:20	05/08/08 10:14	7440-47-3	
Lead	**<4.0**	ug/L	5.0	4.0	1	05/07/08 11:20	05/08/08 10:14	7439-92-1	
Selenium	**<3.8**	ug/L	10.0	3.8	1	05/07/08 11:20	05/08/08 10:14	7782-49-2	
Silver	**<0.10**	ug/L	5.0	0.10	1	05/07/08 11:20	05/08/08 10:14	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.12J**	ug/L	0.20	0.090	1	05/05/08 10:00	05/05/08 14:45	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**<2.2**	ug/L	25.0	2.2	1		05/05/08 13:00	67-64-1	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		05/05/08 13:00	107-13-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/05/08 13:00	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		05/05/08 13:00	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		05/05/08 13:00	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		05/05/08 13:00	75-25-2	
Bromomethane	**<0.29**	ug/L	5.0	0.29	1		05/05/08 13:00	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		05/05/08 13:00	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		05/05/08 13:00	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		05/05/08 13:00	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		05/05/08 13:00	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		05/05/08 13:00	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		05/05/08 13:00	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		05/05/08 13:00	74-87-3	
1,2-Dibromo-3-chloropropane	**<2.5**	ug/L	3.0	2.5	1		05/05/08 13:00	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		05/05/08 13:00	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		05/05/08 13:00	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		05/05/08 13:00	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		05/05/08 13:00	95-50-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/05/08 13:00	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		05/05/08 13:00	110-57-6	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		05/05/08 13:00	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		05/05/08 13:00	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		05/05/08 13:00	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		05/05/08 13:00	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		05/05/08 13:00	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		05/05/08 13:00	78-87-5	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		05/05/08 13:00	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		05/05/08 13:00	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/05/08 13:00	100-41-4	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		05/05/08 13:00	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		05/05/08 13:00	74-88-4	
Methylene Chloride	**<0.97**	ug/L	2.0	0.97	1		05/05/08 13:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		05/05/08 13:00	108-10-1	

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ANALYTICAL RESULTS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

Sample: DW-02-EDWARDS **Lab ID: 9218381002** Collected: 04/30/08 08:40 Received: 04/30/08 15:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	**<0.26**	ug/L	1.0	0.26	1		05/05/08 13:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		05/05/08 13:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		05/05/08 13:00	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		05/05/08 13:00	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		05/05/08 13:00	108-88-3	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		05/05/08 13:00	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/05/08 13:00	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/05/08 13:00	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		05/05/08 13:00	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		05/05/08 13:00	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		05/05/08 13:00	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		05/05/08 13:00	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		05/05/08 13:00	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		05/05/08 13:00	1330-20-7	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		05/05/08 13:00	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109		1		05/05/08 13:00	460-00-4	
Dibromofluoromethane (S)	97	%	85-115		1		05/05/08 13:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		05/05/08 13:00	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		05/05/08 13:00	2037-26-5	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

QC Batch: MERP/1459
Analysis Method: EPA 7470
QC Batch Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9218381001, 9218381002

METHOD BLANK: 109390
Associated Lab Samples: 9218381001, 9218381002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	<0.090	0.20	

LABORATORY CONTROL SAMPLE: 109391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.8	114	80-120	

MATRIX SPIKE SAMPLE: 109392

Parameter	Units	9218036001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	93	75-125	

SAMPLE DUPLICATE: 109393

Parameter	Units	9218038001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.65	0.15J	123	25	R3

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

QC Batch: MSV/3298
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9218381002

METHOD BLANK: 109444
Associated Lab Samples: 9218381002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	1.0	
1,1,2-Trichloroethane	ug/L	<0.29	1.0	
1,1-Dichloroethane	ug/L	<0.32	1.0	
1,1-Dichloroethene	ug/L	<0.56	1.0	
1,2,3-Trichloropropane	ug/L	<0.41	1.0	
1,2-Dibromo-3-chloropropane	ug/L	<2.5	3.0	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	
1,2-Dichlorobenzene	ug/L	<0.30	1.0	
1,2-Dichloroethane	ug/L	<0.12	1.0	
1,2-Dichloropropane	ug/L	<0.27	1.0	
1,4-Dichlorobenzene	ug/L	<0.33	1.0	
2-Butanone (MEK)	ug/L	<0.96	5.0	
2-Hexanone	ug/L	<0.46	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	5.0	
Acetone	ug/L	<2.2	25.0	
Acrylonitrile	ug/L	<1.9	10.0	
Benzene	ug/L	<0.25	1.0	
Bromochloromethane	ug/L	<0.17	1.0	
Bromodichloromethane	ug/L	<0.18	1.0	
Bromoform	ug/L	<0.26	1.0	
Bromomethane	ug/L	<0.29	5.0	
Carbon disulfide	ug/L	<1.2	2.0	
Carbon tetrachloride	ug/L	<0.25	1.0	
Chlorobenzene	ug/L	<0.23	1.0	
Chloroethane	ug/L	<0.54	1.0	
Chloroform	ug/L	<0.14	1.0	
Chloromethane	ug/L	<0.11	1.0	
cis-1,2-Dichloroethene	ug/L	<0.19	1.0	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	
Dibromochloromethane	ug/L	<0.21	1.0	
Dibromomethane	ug/L	<0.21	1.0	
Ethylbenzene	ug/L	<0.30	1.0	
Iodomethane	ug/L	<0.32	5.0	
m&p-Xylene	ug/L	<0.66	2.0	
Methylene Chloride	ug/L	<0.97	2.0	
o-Xylene	ug/L	<0.23	1.0	
Styrene	ug/L	<0.26	1.0	
Tetrachloroethene	ug/L	<0.46	1.0	
Toluene	ug/L	<0.26	1.0	
trans-1,2-Dichloroethene	ug/L	<0.49	1.0	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

METHOD BLANK: 109444

Associated Lab Samples: 9218381002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Trichloroethene	ug/L	<0.47	1.0	
Trichlorofluoromethane	ug/L	<0.20	1.0	
Vinyl acetate	ug/L	<0.35	2.0	
Vinyl chloride	ug/L	<0.62	1.0	
Xylene (Total)	ug/L	<0.66	2.0	
1,2-Dichloroethane-d4 (S)	%	104	79-120	
4-Bromofluorobenzene (S)	%	105	87-109	
Dibromofluoromethane (S)	%	94	85-115	
Toluene-d8 (S)	%	100	70-120	

LABORATORY CONTROL SAMPLE: 109445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	60.1	120	83-125	
1,1,1-Trichloroethane	ug/L	50	56.1	112	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	54.0	108	73-127	
1,1,2-Trichloroethane	ug/L	50	57.1	114	77-123	
1,1-Dichloroethane	ug/L	50	54.0	108	76-129	
1,1-Dichloroethene	ug/L	50	52.9	106	78-146	
1,2,3-Trichloropropane	ug/L	50	58.5	117	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	59.2	118	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	60.9	122	81-125	
1,2-Dichlorobenzene	ug/L	50	54.8	110	82-126	
1,2-Dichloroethane	ug/L	50	59.5	119	72-126	
1,2-Dichloropropane	ug/L	50	55.1	110	80-127	
1,4-Dichlorobenzene	ug/L	50	52.7	105	79-125	
2-Butanone (MEK)	ug/L	100	114	114	50-134	
2-Hexanone	ug/L	100	118	118	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	113	113	70-131	
Acetone	ug/L	100	135	135	50-146	
Acrylonitrile	ug/L	250	237	95	66-124	
Benzene	ug/L	50	55.0	110	78-128	
Bromochloromethane	ug/L	50	55.9	112	73-124	
Bromodichloromethane	ug/L	50	63.8	128	81-125	L3
Bromoform	ug/L	50	57.9	116	71-125	
Bromomethane	ug/L	50	55.5	111	50-150	
Carbon disulfide	ug/L	50	64.0	128	54-150	
Carbon tetrachloride	ug/L	50	59.4	119	81-137	
Chlorobenzene	ug/L	50	58.0	116	82-126	
Chloroethane	ug/L	50	51.2	102	69-140	
Chloroform	ug/L	50	59.8	120	77-129	
Chloromethane	ug/L	50	45.8	92	54-139	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	76-133	
cis-1,3-Dichloropropene	ug/L	50	65.3	131	76-127	L3

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

LABORATORY CONTROL SAMPLE: 109445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	62.5	125	77-125	
Dibromomethane	ug/L	50	58.3	117	77-125	
Ethylbenzene	ug/L	50	56.5	113	80-127	
Iodomethane	ug/L	100	139	139	65-172	
m&p-Xylene	ug/L	100	116	116	82-127	
Methylene Chloride	ug/L	50	51.5	103	67-133	
o-Xylene	ug/L	50	57.7	115	83-124	
Styrene	ug/L	50	59.7	119	80-130	
Tetrachloroethene	ug/L	50	54.2	108	78-128	
Toluene	ug/L	50	55.6	111	76-126	
trans-1,2-Dichloroethene	ug/L	50	50.6	101	78-134	
trans-1,3-Dichloropropene	ug/L	50	66.2	132	75-125	L3
trans-1,4-Dichloro-2-butene	ug/L	50	60.0	120	51-140	
Trichloroethene	ug/L	50	58.7	117	79-127	
Trichlorofluoromethane	ug/L	50	55.8	112	76-148	
Vinyl acetate	ug/L	100	108	108	50-150	
Vinyl chloride	ug/L	50	55.3	111	67-143	
Xylene (Total)	ug/L	150	173	116	83-125	
1,2-Dichloroethane-d4 (S)	%			111	79-120	
4-Bromofluorobenzene (S)	%			105	87-109	
Dibromofluoromethane (S)	%			97	85-115	
Toluene-d8 (S)	%			102	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 109446 109447

Parameter	Units	9218381002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	<0.56	50	50	65.0	62.7	130	125	60-150	4	30	
Benzene	ug/L	<0.25	50	50	62.6	61.4	125	123	74-136	2	30	
Chlorobenzene	ug/L	<0.23	50	50	66.0	65.0	132	130	79-135	2	30	
Toluene	ug/L	<0.26	50	50	62.4	61.4	124	122	73-131	2	30	
Trichloroethene	ug/L	<0.47	50	50	67.2	65.7	134	131	73-131	2	30	M1
1,2-Dichloroethane-d4 (S)	%						106	106	79-120			
4-Bromofluorobenzene (S)	%						105	105	87-109			
Dibromofluoromethane (S)	%						98	98	85-115			
Toluene-d8 (S)	%						101	102	70-120			

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

QC Batch: MSV/3302
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9218381001

METHOD BLANK: 109457
Associated Lab Samples: 9218381001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	1.0	
1,1,2-Trichloroethane	ug/L	<0.29	1.0	
1,1-Dichloroethane	ug/L	<0.32	1.0	
1,1-Dichloroethene	ug/L	<0.56	1.0	
1,2,3-Trichloropropane	ug/L	<0.41	1.0	
1,2-Dibromo-3-chloropropane	ug/L	<2.5	3.0	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	
1,2-Dichlorobenzene	ug/L	<0.30	1.0	
1,2-Dichloroethane	ug/L	<0.12	1.0	
1,2-Dichloropropane	ug/L	<0.27	1.0	
1,4-Dichlorobenzene	ug/L	<0.33	1.0	
2-Butanone (MEK)	ug/L	<0.96	5.0	
2-Hexanone	ug/L	<0.46	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	5.0	
Acetone	ug/L	<2.2	25.0	
Acrylonitrile	ug/L	<1.9	10.0	
Benzene	ug/L	<0.25	1.0	
Bromochloromethane	ug/L	<0.17	1.0	
Bromodichloromethane	ug/L	<0.18	1.0	
Bromoform	ug/L	<0.26	1.0	
Bromomethane	ug/L	<0.29	5.0	
Carbon disulfide	ug/L	<1.2	2.0	
Carbon tetrachloride	ug/L	<0.25	1.0	
Chlorobenzene	ug/L	<0.23	1.0	
Chloroethane	ug/L	<0.54	1.0	
Chloroform	ug/L	<0.14	1.0	
Chloromethane	ug/L	<0.11	1.0	
cis-1,2-Dichloroethene	ug/L	<0.19	1.0	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	
Dibromochloromethane	ug/L	<0.21	1.0	
Dibromomethane	ug/L	<0.21	1.0	
Ethylbenzene	ug/L	<0.30	1.0	
Iodomethane	ug/L	<0.32	5.0	
m&p-Xylene	ug/L	<0.66	2.0	
Methylene Chloride	ug/L	1.0J	2.0	
o-Xylene	ug/L	<0.23	1.0	
Styrene	ug/L	<0.26	1.0	
Tetrachloroethene	ug/L	<0.46	1.0	
Toluene	ug/L	<0.26	1.0	
trans-1,2-Dichloroethene	ug/L	<0.49	1.0	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

METHOD BLANK: 109457

Associated Lab Samples: 9218381001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	
Trichloroethene	ug/L	<0.47	1.0	
Trichlorofluoromethane	ug/L	<0.20	1.0	
Vinyl acetate	ug/L	<0.35	2.0	
Vinyl chloride	ug/L	<0.62	1.0	
Xylene (Total)	ug/L	<0.66	2.0	
1,2-Dichloroethane-d4 (S)	%	104	79-120	
4-Bromofluorobenzene (S)	%	100	87-109	
Dibromofluoromethane (S)	%	104	85-115	
Toluene-d8 (S)	%	100	70-120	

LABORATORY CONTROL SAMPLE: 109458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.4	97	83-125	
1,1,1-Trichloroethane	ug/L	50	53.5	107	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	55.3	111	73-127	
1,1,2-Trichloroethane	ug/L	50	53.8	108	77-123	
1,1-Dichloroethane	ug/L	50	53.5	107	76-129	
1,1-Dichloroethene	ug/L	50	50.3	101	78-146	
1,2,3-Trichloropropane	ug/L	50	56.5	113	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	58.8	118	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	81-125	
1,2-Dichlorobenzene	ug/L	50	46.6	93	82-126	
1,2-Dichloroethane	ug/L	50	50.5	101	72-126	
1,2-Dichloropropane	ug/L	50	52.1	104	80-127	
1,4-Dichlorobenzene	ug/L	50	47.7	95	79-125	
2-Butanone (MEK)	ug/L	100	121	121	50-134	
2-Hexanone	ug/L	100	132	132	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	118	118	70-131	
Acetone	ug/L	100	118	118	50-146	
Acrylonitrile	ug/L	250	173	69	66-124	
Benzene	ug/L	50	50.8	102	78-128	
Bromochloromethane	ug/L	50	51.6	103	73-124	
Bromodichloromethane	ug/L	50	54.7	109	81-125	
Bromoform	ug/L	50	46.2	92	71-125	
Bromomethane	ug/L	50	38.2	76	50-150	
Carbon disulfide	ug/L	50	48.8	98	54-150	
Carbon tetrachloride	ug/L	50	64.0	128	81-137	
Chlorobenzene	ug/L	50	50.8	102	82-126	
Chloroethane	ug/L	50	52.9	106	69-140	
Chloroform	ug/L	50	52.0	104	77-129	
Chloromethane	ug/L	50	46.4	93	54-139	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	76-133	
cis-1,3-Dichloropropene	ug/L	50	54.8	110	76-127	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

LABORATORY CONTROL SAMPLE: 109458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	49.3	99	77-125	
Dibromomethane	ug/L	50	51.6	103	77-125	
Ethylbenzene	ug/L	50	50.3	101	80-127	
Iodomethane	ug/L	100	93.3	93	65-172	
m&p-Xylene	ug/L	100	102	102	82-127	
Methylene Chloride	ug/L	50	49.8	100	67-133	
o-Xylene	ug/L	50	51.5	103	83-124	
Styrene	ug/L	50	53.0	106	80-130	
Tetrachloroethene	ug/L	50	48.1	96	78-128	
Toluene	ug/L	50	51.0	102	76-126	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	78-134	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	68.9	138	51-140	
Trichloroethene	ug/L	50	53.5	107	79-127	
Trichlorofluoromethane	ug/L	50	49.0	98	76-148	
Vinyl acetate	ug/L	100	118	118	50-150	
Vinyl chloride	ug/L	50	49.6	99	67-143	
Xylene (Total)	ug/L	150	153	102	83-125	
1,2-Dichloroethane-d4 (S)	%			111	79-120	
4-Bromofluorobenzene (S)	%			107	87-109	
Dibromofluoromethane (S)	%			105	85-115	
Toluene-d8 (S)	%			101	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 109459 109460

Parameter	Units	9218566002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	73.7	71.0	147	142	60-150	4	30	
Benzene	ug/L	ND	50	50	68.0	64.4	136	129	74-136	5	30	
Chlorobenzene	ug/L	ND	50	50	66.2	60.1	132	120	79-135	10	30	
Toluene	ug/L	ND	50	50	67.8	63.5	136	127	73-131	7	30	M1
Trichloroethene	ug/L	ND	50	50	65.9	62.3	132	125	73-131	6	30	M1
1,2-Dichloroethane-d4 (S)	%						108	112	79-120			
4-Bromofluorobenzene (S)	%						101	96	87-109			
Dibromofluoromethane (S)	%						104	108	85-115			
Toluene-d8 (S)	%						101	101	70-120			

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

QC Batch: MPRP/2302 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 9218381001, 9218381002

METHOD BLANK: 110202
Associated Lab Samples: 9218381001, 9218381002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	ug/L	<2.7	5.0	
Barium	ug/L	<0.20	5.0	
Cadmium	ug/L	<0.50	1.0	
Chromium	ug/L	<0.40	5.0	
Lead	ug/L	<4.0	5.0	
Selenium	ug/L	<3.8	10.0	
Silver	ug/L	<0.10	5.0	

LABORATORY CONTROL SAMPLE: 110203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	481	96	80-120	
Barium	ug/L	500	477	95	80-120	
Cadmium	ug/L	500	486	97	80-120	
Chromium	ug/L	500	493	99	80-120	
Lead	ug/L	500	501	100	80-120	
Selenium	ug/L	500	470	94	80-120	
Silver	ug/L	250	240	96	80-120	

MATRIX SPIKE SAMPLE: 110204

Parameter	Units	9218380005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	<2.7	500	503	100	75-125	
Barium	ug/L	46.7	500	523	95	75-125	
Cadmium	ug/L	<0.50	500	493	99	75-125	
Chromium	ug/L	1.5J	500	502	100	75-125	
Lead	ug/L	<4.0	500	499	100	75-125	
Selenium	ug/L	<3.8	500	490	97	75-125	
Silver	ug/L	0.13J	250	245	98	75-125	

SAMPLE DUPLICATE: 110205

Parameter	Units	9218381001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	<2.7	<2.7	0	20	
Barium	ug/L	186	186	0	20	
Cadmium	ug/L	<0.50	<0.50	0	20	
Chromium	ug/L	<0.40	<0.40	54	20	
Lead	ug/L	<4.0	<4.0	0	20	

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QUALITY CONTROL DATA

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

SAMPLE DUPLICATE: 110205

Parameter	Units	9218381001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	ug/L	<3.8	<3.8	0	20	
Silver	ug/L	<0.10	<0.10	45	20	

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QUALIFIERS

Project: Madison Co.Closed 2006.1201
Pace Project No.: 9218381

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.

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LABORATORIES

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

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1178583

Section A Required Client Information:

Company: Altamont Environmental
Address: 50 College St
Asheville, NC 28801
Email To: jenk@altamontenvironmental.com
Phone: 281-3350 Fax: 281-3351
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Joel Lenk
Copy To:
Purchase Order No.:
Project Name: Madison County Closed Landfill
Project Number: 2006.1201

Section C Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): RCRA Metals 6010/7000	Appendix I VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DW-01-EDWARDS	wt	G			4-30	8:24	15	4			1	3					X	X		9218381001
2	DW-02-EDWARDS	wt	G			4-30	8:40	13	4			1	3					X	X		9218381002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOC by 8260 low level	Jon Hazinski	4-30-08	1525	[signature]	4/30/08	15:25	3.7	Y	N	Y
All analytical results need to										
include MDL and qualifiers										
if applicable										

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

ORIGINAL

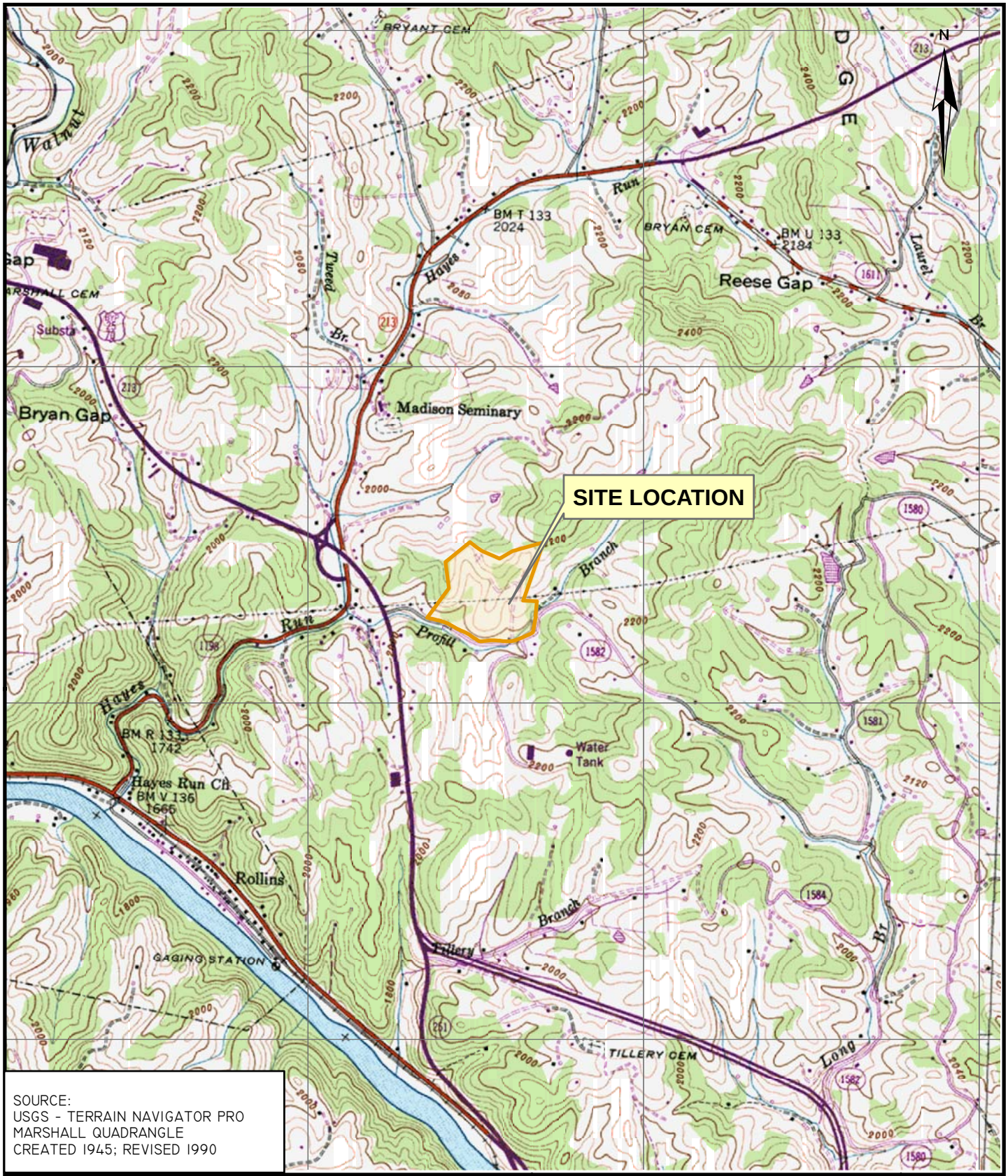
SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Hazinski

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04-30-08

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

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



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

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
50 COLLEGE STREET, ASHEVILLE, NC 28801
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www.altamontenvironmental.com

SITE LOCATION MAP
MADISON COUNTY
CLOSED MSW LANDFILL

389 Long Branch Road
Marshall, NC 28753

MADISON COUNTY, NORTH CAROLINA

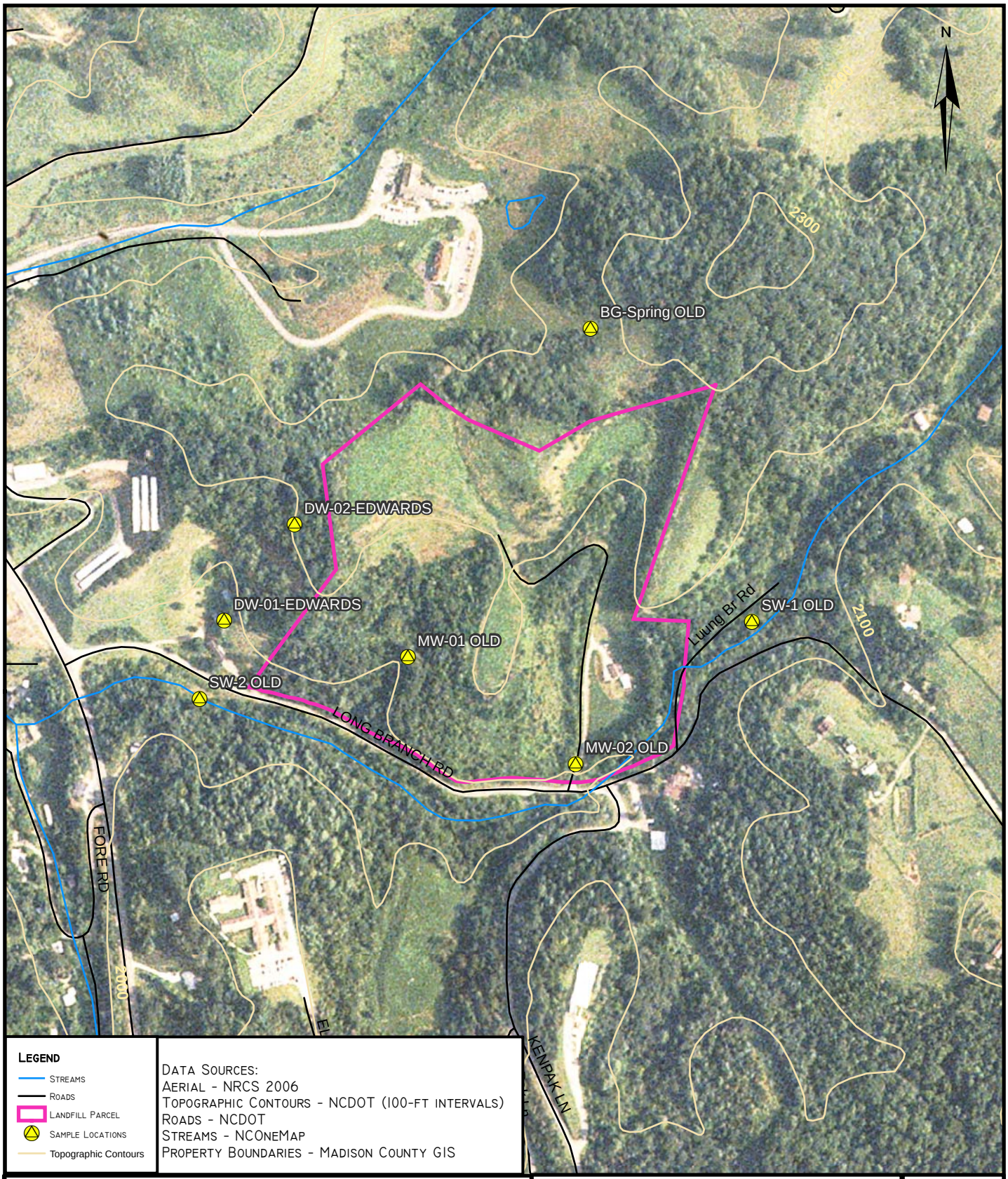
FIGURE

1

DRAWN BY: KATIE MASSIE
PROJECT MANAGER: JOEL LENK
CLIENT: MADISON COUNTY
DATE: 06/03/2008

SCALE
0 500 1,000 2,000
Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\Site_Location_OldMadisonLandfill.mxd



Legend

- Streams
- Roads
- Landfill Parcel
- Sample Locations
- Topographic Contours

Data Sources:
Aerial - NRCS 2006
Topographic Contours - NCDOT (100-ft intervals)
Roads - NCDOT
Streams - NCOneMap
Property Boundaries - Madison County GIS

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Sample Location Map
Madison County
Closed MSW Landfill

389 Long Branch Road
Marshall, NC 28753

Madison County, North Carolina

Figure

2

Drawn by: Anna Saylor
Project Manager: Joel Lenk
Client: Madison County
Date: 7/15/2008

Scale
0 125 250 500 Feet

P:\Madison County\Figures\GIS\GIS User\MXDs\Sample Location Map-Fig 2.mxd