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: Jennifer Hill-Verde Phone: 828 281-3350

E-mail: jhill@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 Subtitle D Municipal Solid Waste Landfill	271 Craig Rudisill Road Marshall, NC 28753	58-03	.1600	April 5, 2007

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.

STUART A. RYMAN Project Geologist 828 281 3350

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

Signature 5-16-07 Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1654 GEOLOGIST STUART A. RYMAN

Revised 01/2007

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SPRING 2007 SEMIANNUAL WATER QUALITY MONITORING REPORT

MADISON COUNTY MUNICIPAL SOLID WASTE LANDFILL MADISON COUNTY, NORTH CAROLINA

Prepared for
Madison County, North Carolina

May 16, 2007

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

Stuart A. Ryman, P.G.
Project Geologist

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1.0 INTRODUCTION

The Madison County Solid Waste Department operates a Subtitle D Municipal Solid Waste Landfill (Operating Landfill) located on Craig Rudisill Road near U.S. Highway 25/70. The approximate location of the landfill is shown in Figure 1. The landfill is governed by the North Carolina Department of Environment and Natural Resources (DENR), Division of Waste Management (DWM), Permit No. 58-03 (Operating Landfill) issued to Madison County. The land fill permit requires semiannual monitoring of groundwater and surface water quality.

This report serves as the first semiannual groundwater and surface water monitoring report for 2007 and is being submitted in accordance with requirements stipulated in the North Carolina DENR Solid Waste Management Rules 15A North Carolina Administrative Code (NCAC) 13B. The data and report also comply with the subsequent memorandum regarding Appendix II monitoring from DENR, dated April 21, 1995. This semiannual report provides an evaluation of surface water, leachate, and groundwater quality for the Operating Landfill. A statistical analysis of groundwater data as well as groundwater flow information is provided.

This report contains the following items:

- Groundwater level measurements and corresponding elevations;
- Generalized groundwater flow direction map;
- An illustration of groundwater and surface water sampling locations;
- Groundwater, leachate, and surface water quality analytical results;
- Statistical analyses for detected metals and volatile organic compounds (VOCs);
- Sampling logs; and
- Laboratory analytical reports with chain-of-custody forms.

2.0 METHODS

2.1 GROUNDWATER AND SURFACE WATER SAMPLING

The Operating Landfill monitoring wells, surface water sample locations, and leachate pond were sampled by Altamont Environmental, Inc. (Altamont) on April 5, 2007. The sampling locations are shown on Figure 2.

Prior to sampling the groundwater, the static water level and total well depth were measured at each location. Each well was then purged with a disposable bailer until dry, or a minimum of three well volumes of water were removed and pH, specific conductivity, and temperature readings each stabilized to within ten percent of the previous reading. Sampling logs are included in Appendix A. A summary of the field parameters is included in Table 1 and details are provided on the sampling logs.

Each sample was analyzed for Appendix I VOCs using US EPA Method 8260 and Appendix I metals using US EPA Methods 6010 and 7470. Water samples were analyzed by Pace Analytical Services, Inc. (Pace), a North Carolina Certified Laboratory. Proper chain-of-custody documentation was followed during collection and transportation of each sample. A trip blank was also analyzed for VOCs. The analytical reports and chain-of-custody forms are included in Appendix B.

3.0 FINDINGS

3.1 ANALYTICAL RESULTS

Analytical laboratory and field data are reported in Table 1 using the Electronic Data Deliverable format specified by the Solid Waste Section in a memorandum dated October 27, 2006.

Analytical results for the Appendix I metals are shown in Tables 1 and 2, and are summarized as follows:

Groundwater

- Twelve metals (arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, selenium, thallium, vanadium, and zinc) exceeded the Method Reporting Limit (MRL) in one or more sampling locations. Table 2 lists all MRL exceedances.
- One metal (mercury) was only detected at a concentration above the Method Detection Limit (MDL) but below MRL. Results such as this are flagged with a "J" qualifier (see Table 1).
- As shown in Table 3, five metals were detected above North Carolina Administrative Code (NCAC) Title 15A, Subchapter 2L groundwater quality standards (2L Standards) in four monitoring wells. The following statements summarize the 2L exceedances shown in Table 3:
  - Chromium was detected in excess of the 2L Standard in MW-05.
  - Arsenic, chromium, and lead exceeded the 2L Standard in MW-7R.
  - Nickel was detected in excess of the 2L Standard in MW-08.
  - Barium exceeded the 2L Standard in MW-09.

Surface water

- Selenium and zinc concentrations above the MRL were detected in one or more of the surface water locations and the leachate pond.
- Seven metals (barium, chromium, cobalt, copper, mercury, nickel, vanadium, and zinc) were detected at concentrations less than the MRL but greater than the MDL in the surface water locations SW-01 and SW-02R and the leachate pond.
- No metals detected in any of the surface water or leachate pond samples exceeded the NCAC Title 15A, Subchapter 2B standard (2B Standard).

Analytical results for VOCs are shown in Tables 1 and 2, and are summarized as follows:

Groundwater

- There were no VOCs detected above the MRL or MDL in the monitoring well samples.

Surface water

- There were no VOCs detected above the MRL or MDL in samples collected from the SW-01 or SW-02R surface water locations.
- Bromomethane was detected above the MRL in the leachate pond (LP-1). The concentration of bromomethane did not exceed the 2B Standard.
- The bromomethane concentration detected in the leachate pond was below the 2B Standard.

3.2 HYDROGEOLOGY

The predominant shallow groundwater flow direction at the Operating Landfill is to the northwest, toward a tributary of Walnut Creek. Figure 3 depicts the generalized groundwater flow direction based on the groundwater measurements taken by Altamont on April 5, 2007. Water level data are summarized on Table 4.

3.3 STATISTICAL ANALYSES

Typically, the analysis of variance (ANOVA) procedure is used to compare concentration data from several compliance wells with concentration data from background wells. Parametric ANOVA procedures make the following two key assumptions:

- Data residuals are normally distributed and
- Group variances are all approximately equal.

The above assumptions are difficult to verify when a substantial fraction of the measurements are non-detect, which is the case in monitoring wells at many landfills. If either of the two assumptions is violated, the EPA documents "*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities,*

Interim Final Guidance" (April 1989) and "*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance*" (July 1992) recommend using a non-parametric statistical procedure.

Therefore, the Kruskal-Wallis non-parametric statistical testing procedure was performed on the data from eight of the monitoring wells that were sampled at the Operating Landfill. The new monitoring well MW-09 was not included in the procedure, since it has been installed recently and sufficient analytical data are not yet available to perform the statistical analysis. The analysis was performed for each compound detected above laboratory detection limits in the eight monitoring wells.

The analysis was used to determine if the total metal or VOC concentrations observed at each sampling location are significant enough to suggest contamination of groundwater above background concentrations. The Kruskal-Wallis procedure tests the null hypothesis that all wells (background and compliance) have the same median concentrations for a particular constituent. If the median for a particular constituent is not equal, then the alternative hypothesis that at least one of the wells differs from the rest is evaluated. This is determined by comparing the computed Kruskal-Wallis H'-statistic to the tabulated Chi-square critical value (χ^2). If the computed H'-statistic is greater than the Chi-square critical value, the null hypothesis is rejected and one or more of the wells may be contaminated by a particular compound. To determine which well or wells may be contaminated by a particular compound, *post-hoc* pairwise comparisons were performed to compare each compliance well to the background well (MW-6). If the Chi-square critical value exceeds the computed H'-statistic, then the null hypothesis is accepted and the possibility of contamination is rejected. Data from all available laboratory analyses performed to date were taken into account. The Kruskal-Wallis statistical calculations for each constituent are summarized in Appendix D.

Statistical Analyses for Metals

According to the statistical analyses, the total metals arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc showed significant deviation from the median. These metal constituents were detected in monitoring wells located adjacent to the Operating Landfill. The concentrations were compared to the historical water quality in MW-06. In summary,

- Concentrations of arsenic and beryllium in MW-7R were statistically greater than the concentrations in MW-06.

- Concentrations of barium in MW-01, MW-02, MW-03, MW-05, MW-7R, & MW-08 were statistically greater than the concentrations in MW-06.
- Concentrations of chromium in MW-05 and MW-7R were statistically greater than the concentrations in MW-06.
- Concentrations of cobalt in MW-02, MW-03, MW-05, MW-7R, and MW-08 were statistically greater than the concentrations in MW-06.
- Concentrations of copper and vanadium in MW-05, MW-7R, and MW-08 were statistically greater than the concentrations in MW-06.
- Concentrations of nickel in MW-05 were statistically greater than the concentrations in MW-06.
- Concentrations of zinc in MW-03, MW-05, MW-7R, and MW-08 were statistically greater than the concentrations in MW-06.
- For lead, no monitoring well concentrations were statistically greater than the concentrations in MW-06.
- For cadmium and mercury no significant deviation from the background well was found.

Statistical Analyses for Volatile Organic Compounds

VOCs were not detected in samples collected from monitoring wells. Therefore, the statistical procedure was not performed on VOCs.

4.0 SUMMARY

4.1 OPERATING LANDFILL

The semiannual groundwater monitoring event conducted on April 5, 2007 at the Madison County Operating Landfill detected twelve metals in groundwater samples at concentrations above MRLs. Of the detected metals, the concentrations of five exceeded the 2L Standard in one or more wells:

- Arsenic in MW-7R
- Barium in MW-09
- Chromium in MW-05 and MW-7R
- Lead in MW-7R
- Nickel in MW-08

Field notes taken during well sampling indicate that the highest turbidity shown in samples taken from monitoring wells MW-05, MW-7R, MW-08 and MW-09. These four monitoring wells also had the highest metal detections in comparison to the other monitoring wells. Particles that cause turbidity contain metallic ions deposited in the parent rock. Some or all of the metals in the groundwater may be attributed to this source. Altamont will continue to monitor turbidity in these monitoring wells.

The metals that were found in excess of the 2L Standards in monitoring wells were almost uniformly greater in concentration than those that were detected in the leachate. This observation, combined with those related to groundwater turbidity, further suggests that the metals detected in the monitoring wells are naturally occurring.

VOCs were not detected in samples collected from monitoring wells or surface water locations. However, one VOC (bromomethane) was detected in sample collected from the leachate pond at the concentration below the respective 2L Standard.

Altamont will continue to monitor metals and VOCs on a semi-annual basis at the Operating Landfill. The next sampling event is scheduled for October 2007.

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Well Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 12:57
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: P.Cloudy

WELL NUMBER: MW-01
WELL DEPTH IN FEET (WD): 19.50
WELL DIAMETER: 8"
WATER LEVEL IN FEET (WL): 5.94
START TIME: 12:40
TYPE OF CASING: PVC
LENGTH OF WATER COLUMN : 13.56 FEET
MEASURING POINT: TOC
(WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP
ONE CASING VOLUME: 2.30 GALLONS
COMMENTS:
(LWC) x (WCV)
THREE CASING VOLUMES: 6.92 GALLONS
ACTUAL VOLUME PURGED: 7.0 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	6.12	49.4	12.0	3.97	141	22.25	
2	2.5	6.27	110.8	10.6	3.12	114	38.14	
3	5.0	5.99	70.2	11.3	4.06	121	59.61	
4	7.0	6.02	79.4	11.0	4.11	126	60.06	
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison Co. Landfill
DATE: 4/5/07
LOCATION: Marshall NC
SAMPLING TIME: 14:48
SAMPLING PERSONNEL: J Hazinski / Z. Yurkovich
WEATHER: P.Cloudy

WELL NUMBER: MW-02
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 18.20 DATE:
WATER LEVEL IN FEET (WL): 4.78 DATE: TIME: 14:31
LENGTH OF WATER COLUMN: 13.42 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.28 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.84 GALLONS
ACTUAL VOLUME PURGED: 7.0 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	6.29	180.9	10.9	2.07	186	9.84	
2	2.25	6.22	187.1	9.9	3.06	179	7.14	
3	4.50	6.25	196.4	9.7	3.39	172	9.05	
4	7.0	6.24	193.2	10.0	3.35	169	11.93	
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 8 45
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: Cloudy

WELL NUMBER: MW03
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 35.90
WATER LEVEL IN FEET (WL): 22.53
START TIME: 8 30
LENGTH OF WATER COLUMN: 13.37 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.28 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.82 GALLONS
ACTUAL VOLUME PURGED: 7.0 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	5.88	150.7	12.2	5.10	257	11.72	
2	2.50	6.17	430	12.5	3.53	147	298.5	
3	4.75	6.22	445	13.0	3.51	90	294.2	
4	7.00	6.28	438	12.8	3.59	85	241.3	
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: OK PAD: OK LOCK: OK VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 9:54
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: Cloudy Cool

WELL NUMBER: MW-4
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 83.00
WATER LEVEL IN FEET (WL): 28.43
START TIME: 9:05
LENGTH OF WATER COLUMN : 54.57 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 9.28 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 27.83 GALLONS
ACTUAL VOLUME PURGED: 28.00 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	6.94	163.4	13.9°	4.90	21	43.08	
2	9.50	6.92	163.5	13.6	6.36	52	27.38	
3	19.00	6.99	163.4	13.8	6.11	66	17.03	
4	28.00	6.92	162.9	13.6	6.01	61	12.14	
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 11:55
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: Cloudy

WELL NUMBER: MW-05
WELL DEPTH IN FEET (WD): 64.00
WELL DIAMETER: 2"
WATER LEVEL IN FEET (WL): 50.11
START TIME: 11:29
TYPE OF CASING: PVC
LENGTH OF WATER COLUMN : 13.89 FEET
MEASURING POINT: TOC
(WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP
ONE CASING VOLUME: 2.36 GALLONS
COMMENTS:
(LWC) x (WCV)
THREE CASING VOLUMES: 7.08 GALLONS
ACTUAL VOLUME PURGED: 7.25 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	6.70	127.3	13.2	1.94	163	50.28	
2	2.50	6.47	137.5	12.8	3.28	156	147.1	
3	5.0	6.53	135.3	12.9	3.34	155	389.8	
4	7.25	6.48	136.8	12.5	3.36	159	375.6	
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: OK PAD: OK LOCK: OK VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log 5

FACILITY NAME: Madison County Landfill	DATE: 4/4/07
LOCATION: Marshall, NC	SAMPLING TIME:
SAMPLING PERSONNEL: J Hazinski / E Yurkovich	WEATHER: Cloudy

WELL NUMBER: MW26
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Tried to Bail Well but could not fill a bailer up, Came back at the end of the day, and still no water → Well dry

WELL DEPTH IN FEET (WD): 103.80
WATER LEVEL IN FEET (WL): 101.42 START TIME: 11:01
LENGTH OF WATER COLUMN: 2.38 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 0.40 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 1.21 GALLONS
ACTUAL VOLUME PURGED: 0.00 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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 → Well Dry							
2	0.5							
3	1.0							
4	1.25							
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison Co. Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 14:09
SAMPLING PERSONNEL: J. Hazinski / E. Yurkovich
WEATHER: P. Cloudy

WELL NUMBER: MW-7R
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 41.40 DATE:
WATER LEVEL IN FEET (WL): 30.15 DATE: TIME: 13:50
LENGTH OF WATER COLUMN: 11.25 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 1.91 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 5.74 GALLONS
ACTUAL VOLUME PURGED: 4.50 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	intial	6.99	66.3	14.4	8.30	83	222.4	
2	2.0	7.05	73.2	14.1	8.28	110	432.8	
3	4.0	6.97	67.5	14.1	8.34	119	748.2	
4		6.81	67.0	14.1	8.19	122	784.1	
5	4.5 →	Well purged dry						
6								
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 13:39
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: P.Cloudy

WELL NUMBER: MW-08
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 26.60
WATER LEVEL IN FEET (WL): 21.62
START TIME: 13:18
LENGTH OF WATER COLUMN: 4.98 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 0.85 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 2.54 GALLONS
ACTUAL VOLUME PURGED: 2.75 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	6.49	256	13.7	7.07	48	23.31	
2	1.0	6.54	251	13.4	7.48	69	~~405.4~~	405.4
3	2.0	6.59	252	13.4	7.53	73	447.0	
4	2.75	6.66	255	13.5	7.54	77	364.8	
5								
6								
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Well Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 12:25
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: Cloudy Cool

WELL NUMBER: MW-09
WELL DEPTH IN FEET (WD): 25.34
WELL DIAMETER: 2"
WATER LEVEL IN FEET (WL): 7.96
START TIME: 10:24
TYPE OF CASING: PVC
LENGTH OF WATER COLUMN : 17.38 FEET
MEASURING POINT: TOC
(WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP
ONE CASING VOLUME: 2.95 GALLONS
(LWC) x (WCV)
COMMENTS: Purged 9 gallons, Water extremely brind, came back 2hrs later, to collect sample.
THREE CASING VOLUMES: 8.86 GALLONS
ACTUAL VOLUME PURGED: 9.0 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-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. 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	8.01	188.4	10.3	3.83	68	6.14	
2	3.0	7.58	165.0	10.8	3.92	75	>1000	
3	6.0	7.27	171.2	11.4	3.86	79	>1000	
4	9.0	7.25	178.2	11.8	3.81	84	>1000	
5								
6							395.0 →	Sample @ 12:25
7								
8								
9								

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

PROTECTIVE CASING: ok PAD: ok LOCK: No VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Surface Water Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 10:12
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: Cloudy, Cool

SAMPLE NAME: LP-1

START TIME: 10:08

COMMENTS: Leachate Holding pond Sample

END TIME:

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

READING	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	9.04	1750	11.3	9.14	36	27.75	
2							
3							
4							
5							
6							
7							
8							
9							

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

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Surface Water Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 15:08
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: P.Cloudy

SAMPLE NAME: SW-01

START TIME: 15:02
END TIME:

COMMENTS: Upstream surface water sample

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

READING	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	7.11	108.0	11.4	6.73	158	6.14	
2							
3							
4							
5							
6							
7							
8							
9							

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

VEGETATION: OK ACCESS: OK

Sampling Personnel Signature: [signature] **Date:** 4-5-07

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

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Surface Water Sampling Log

FACILITY NAME: Madison County Landfill
DATE: 4/5/07
LOCATION: Marshall, NC
SAMPLING TIME: 13:12
SAMPLING PERSONNEL: J Hazinski / E Yurkovich
WEATHER: P. Cloudy

SAMPLE NAME: SW-02R

START TIME: 13:07

COMMENTS: Downstream Surface water Sample

END TIME:

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

READING	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	6.55	182.5	15.3	5.04	13	13.85	
2							
3							
4							
5							
6							
7							
8							
9							

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

VEGETATION: ok ACCESS: ok

Sampling Personnel Signature: [signature] **Date:** 4-5-07

Notes: µS = micro-Siemen
C° = degrees Celcius
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 Landfill
Project Number: 2006.12
Project Location: Marshall, NC

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	Comments
150-ft Water Level	Heron	7186		
150-ft Water Level	Solinst	26154		
150-ft Water Level	Solinst	22754		
150-ft Water Level	Testwell	150	4/4/07 - 4/5/07	

Calibration Documentation

Person Conducting Calibration: J Hazinski
Date of Calibration: 4-4-07
Date of Field Measurements: 4/4-5/07

Meters used to measure field parameters:

Equipment Type	Manufacturer	Serial Number
pH, Cond. & Temp.	Oakton	254199
pH, Cond. & Temp.	Oakton	254197
pH, Cond. & Temp.		

Instrument Readings						
pH 4	pH 7	pH 10	QC pH 7	Conductivity 447 µS	QC Conductivity 84 µS	Comments
Initial: 4.11 Calibrated: 4.00	Initial: 6.94 Calibrated: 7.02	Initial: 9.70 Calibrated: 10.06	Meas: 7.06	Initial: 438 Calibrated: 447	Meas: 84.3	
Initial: Calibrated:	Initial: Calibrated:	Initial: Calibrated:	Meas:	Initial: Calibrated:	Meas:	

Equipment Type	Manufacturer	Serial Number	Site Elevation	DO Reading Initial	Salinity	DO Reading Calibrated
Dissolved Oxygen	YSI	05C1835	2000'	8.34	—	8.36

Equipment Type	Manufacturer	Serial Number	Comments
ORP	Oakton	3565002	Note: calibration not necessary according to the manufacturer.
ORP	Oakton	98201	Note: calibration not necessary according to the manufacturer.

Source of Calibration Standards: USA Bluebook

Expiration Date of Calibration Standards: Sept 07

Comments:

Signature and Date: [signature] 4-5-07

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

Pace Analytical Services, Inc.
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May 02, 2007

Mr. Stu Ryman
Altamont Environmental
50 College Street
Asheville, NC 28801

RE: Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Dear Mr. Ryman:

Enclosed are the analytical results for sample(s) received by the laboratory April 4, 2007through April 5, 2007 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 Charlotte laboratory unless otherwise footnoted.

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

Sincerely,

Lorri Patton

Lorri Patton
lorri.patton@pacelabs.com
(828) 254-7176
Project Manager

Enclosures

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SAMPLE SUMMARY

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Project Sample Number	Sample Number	Client Sample ID	Matrix	Date Collected	Date Received
92141762-001	928221316	MW-01-OLD	Water	04/04/07 15:14	04/04/07 17:25
92141762-002	928221324	MW-02-OLD	Water	04/04/07 16:06	04/04/07 17:25
92141762-003	928221340	BG-SPRING-OLD	Water	04/04/07 16:50	04/04/07 17:25
92141762-004	928221357	SW-01-OLD	Water	04/04/07 16:25	04/04/07 17:25
92141762-005	928221373	SW-02-OLD	Water	04/04/07 14:46	04/04/07 17:25
92141762-006	928221381	DW-01-EDWARDS	Water	04/04/07 14:09	04/04/07 17:25
92141762-007	928221399	DW-02-EDWARDS	Water	04/04/07 14:30	04/04/07 17:25
92141762-008	928223981	MW-01	Water	04/05/07 12:57	04/05/07 16:32
92141762-009	928224005	MW-02	Water	04/05/07 14:48	04/05/07 16:32
92141762-010	928224021	MW-03	Water	04/05/07 08:45	04/05/07 16:32
92141762-011	928224039	MW-04	Water	04/05/07 09:54	04/05/07 16:32
92141762-012	928224047	MW-05	Water	04/05/07 11:55	04/05/07 16:32
92141762-013	928224062	MW-7R	Water	04/05/07 14:09	04/05/07 16:32
92141762-014	928224070	MW-08	Water	04/05/07 13:39	04/05/07 16:32
92141762-015	928224104	MW-09	Water	04/05/07 12:25	04/05/07 16:32
92141762-016	928224112	SW-01	Water	04/05/07 15:08	04/05/07 16:32
92141762-017	928224120	SW-02	Water	04/05/07 13:12	04/05/07 16:32
92141762-018	928224138	LP-1	Water	04/05/07 10:12	04/05/07 16:32
92141762-019	928224153	TRIP BLANK LAB	Water	04/05/07	04/05/07 16:32

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SAMPLE ANALYTE COUNT

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Project Sample Number	Sample No	Client Sample ID	Analysis Code	Analysis Description	Analytes Reported
92141762-001	928221316	MW-01-OLD	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-002	928221324	MW-02-OLD	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-003	928221340	BG-SPRING-OLD	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-004	928221357	SW-01-OLD	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-005	928221373	SW-02-OLD	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-006	928221381	DW-01-EDWARDS	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-007	928221399	DW-02-EDWARDS	6010T WL92	Metals by Trace ICP	8
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-008	928223981	MW-01	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-009	928224005	MW-02	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-010	928224021	MW-03	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-011	928224039	MW-04	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-012	928224047	MW-05	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-013	928224062	MW-7R	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-014	928224070	MW-08	6010T WL92	Metals by Trace ICP	16

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Project Sample Number	Sample No	Client Sample ID	Analysis Code	Analysis Description	Analytes Reported
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-015	928224104	MW-09	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-016	928224112	SW-01	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-017	928224120	SW-02	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-018	928224138	LP-1	6010T WL92	Metals by Trace ICP	16
			7470 WL92	Mercury, CVAAS, in Water	1
			8260X WL92	GC/MS VOCs by 8260, low level	54
92141762-019	928224153	TRIP BLANK LAB	8260X WL92	GC/MS VOCs by 8260, low level	54

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221316 Project Sample Number: 92141762-001 Date Collected: 04/04/07 15:14
Client Sample ID: MW-01-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Arsenic	ND		ug/l	5.0	2.7	04/12/07 22:25	EWS	7440-38-2		
Barium	190		ug/l	5.0	0.19	04/12/07 22:25	EWS	7440-39-3		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 22:25	EWS	7440-43-9		
Chromium	ND		ug/l	5.0	0.44	04/12/07 22:25	EWS	7440-47-3		
Lead	ND		ug/l	5.0	4.0	04/12/07 22:25	EWS	7439-92-1		
Selenium	4.7	J	ug/l	10.	4.3	04/12/07 22:25	EWS	7782-49-2		
Silver	ND		ug/l	5.0	0.50	04/12/07 22:25	EWS	7440-22-4		
Date Digested	04/10/07 09:00					04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.077	J	ug/l	0.20	0.030	04/06/07 15:03	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/07/07 14:17	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/07/07 14:17	MCK	107-13-1		
Benzene	0.61	J	ug/l	1.0	0.31	04/07/07 14:17	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/07/07 14:17	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/07/07 14:17	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/07/07 14:17	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/07/07 14:17	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/07/07 14:17	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/07/07 14:17	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/07/07 14:17	MCK	56-23-5		
Chlorobenzene	0.49	J	ug/l	1.0	0.15	04/07/07 14:17	MCK	108-90-7		
Chloroethane	1.8		ug/l	1.0	0.78	04/07/07 14:17	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/07/07 14:17	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/07/07 14:17	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/07/07 14:17	MCK	96-12-8		
Dibromochloromethane	ND		ug/l	1.0	0.17	04/07/07 14:17	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND		ug/l	1.0	0.15	04/07/07 14:17	MCK	106-93-4		
Dibromomethane	ND		ug/l	1.0	0.27	04/07/07 14:17	MCK	74-95-3		
1,2-Dichlorobenzene	ND		ug/l	1.0	0.14	04/07/07 14:17	MCK	95-50-1		
1,4-Dichlorobenzene	ND		ug/l	1.0	0.17	04/07/07 14:17	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND		ug/l	1.0	0.28	04/07/07 14:17	MCK	110-57-6		
1,1-Dichloroethane	1.1		ug/l	1.0	0.42	04/07/07 14:17	MCK	75-34-3		
1,2-Dichloroethane	ND		ug/l	1.0	0.18	04/07/07 14:17	MCK	107-06-2		

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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221316 | Project Sample Number: 92141762-001 | Date Collected: 04/04/07 15:14
Client Sample ID: MW-01-OLD | Matrix: Water | Date Received: 04/04/07 17:25

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	6.0		ug/l	1.0		04/07/07 14:17	MCK	540-59-0		
1,1-Dichloroethene	ND		ug/l	1.0	0.39	04/07/07 14:17	MCK	75-35-4		
cis-1,2-Dichloroethene	6.0		ug/l	1.0	0.33	04/07/07 14:17	MCK	156-59-2		
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.44	04/07/07 14:17	MCK	156-60-5		
1,2-Dichloropropane	0.25	J	ug/l	1.0	0.20	04/07/07 14:17	MCK	78-87-5		
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.17	04/07/07 14:17	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.12	04/07/07 14:17	MCK	10061-02-6		
Ethylbenzene	ND		ug/l	1.0	0.17	04/07/07 14:17	MCK	100-41-4		
2-Hexanone	ND		ug/l	5.0	0.62	04/07/07 14:17	MCK	591-78-6		
Iodomethane	ND		ug/l	5.0	0.65	04/07/07 14:17	MCK	74-88-4		
Methylene chloride	1.1	J	ug/l	2.0	0.46	04/07/07 14:17	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND		ug/l	5.0	0.66	04/07/07 14:17	MCK	108-10-1		
Styrene	ND		ug/l	1.0	0.15	04/07/07 14:17	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.25	04/07/07 14:17	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.24	04/07/07 14:17	MCK	79-34-5		
Tetrachloroethene	ND		ug/l	1.0	0.16	04/07/07 14:17	MCK	127-18-4		
Toluene	ND		ug/l	1.0	0.24	04/07/07 14:17	MCK	108-88-3		
1,1,1-Trichloroethane	ND		ug/l	1.0	0.35	04/07/07 14:17	MCK	71-55-6		
1,1,2-Trichloroethane	ND		ug/l	1.0	0.16	04/07/07 14:17	MCK	79-00-5		
Trichloroethene	ND		ug/l	1.0	0.26	04/07/07 14:17	MCK	79-01-6		
Trichlorofluoromethane	ND		ug/l	1.0	0.41	04/07/07 14:17	MCK	75-69-4		
1,2,3-Trichloropropane	ND		ug/l	1.0	0.22	04/07/07 14:17	MCK	96-18-4		
Vinyl acetate	ND		ug/l	1.0	0.80	04/07/07 14:17	MCK	108-05-4		
Vinyl chloride	ND		ug/l	1.0	0.58	04/07/07 14:17	MCK	75-01-4		
Xylene (Total)	ND		ug/l	2.0		04/07/07 14:17	MCK	1330-20-7		
m&p-Xylene	ND		ug/l	2.0	0.39	04/07/07 14:17	MCK			
o-Xylene	ND		ug/l	1.0	0.17	04/07/07 14:17	MCK	95-47-6		
Toluene-d8 (S)	100		%			04/07/07 14:17	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98		%			04/07/07 14:17	MCK	460-00-4		
Dibromofluoromethane (S)	98		%			04/07/07 14:17	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90		%			04/07/07 14:17	MCK	17060-07-0		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221324 Project Sample Number: 92141762-002 Date Collected: 04/04/07 16:06
Client Sample ID: MW-02-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Arsenic	ND		ug/l	5.0	2.7	04/12/07 22:29	EWS	7440-38-2		
Barium	64.		ug/l	5.0	0.19	04/12/07 22:29	EWS	7440-39-3		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 22:29	EWS	7440-43-9		
Chromium	2.3	J	ug/l	5.0	0.44	04/12/07 22:29	EWS	7440-47-3		
Lead	4.8	J	ug/l	5.0	4.0	04/12/07 22:29	EWS	7439-92-1		
Selenium	4.7	J	ug/l	10.	4.3	04/12/07 22:29	EWS	7782-49-2		
Silver	ND		ug/l	5.0	0.50	04/12/07 22:29	EWS	7440-22-4		
Date Digested	04/10/07 09:00					04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.072	J	ug/l	0.20	0.030	04/06/07 15:10	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/07/07 14:40	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/07/07 14:40	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/07/07 14:40	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/07/07 14:40	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/07/07 14:40	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/07/07 14:40	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/07/07 14:40	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/07/07 14:40	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/07/07 14:40	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/07/07 14:40	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/07/07 14:40	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/07/07 14:40	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/07/07 14:40	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/07/07 14:40	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/07/07 14:40	MCK	96-12-8		
Dibromochloromethane	ND		ug/l	1.0	0.17	04/07/07 14:40	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND		ug/l	1.0	0.15	04/07/07 14:40	MCK	106-93-4		
Dibromomethane	ND		ug/l	1.0	0.27	04/07/07 14:40	MCK	74-95-3		
1,2-Dichlorobenzene	ND		ug/l	1.0	0.14	04/07/07 14:40	MCK	95-50-1		
1,4-Dichlorobenzene	ND		ug/l	1.0	0.17	04/07/07 14:40	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND		ug/l	1.0	0.28	04/07/07 14:40	MCK	110-57-6		
1,1-Dichloroethane	ND		ug/l	1.0	0.42	04/07/07 14:40	MCK	75-34-3		
1,2-Dichloroethane	ND		ug/l	1.0	0.18	04/07/07 14:40	MCK	107-06-2		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221324 Project Sample Number: 92141762-002 Date Collected: 04/04/07 16:06
Client Sample ID: MW-02-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 14:40	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 14:40	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 14:40	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 14:40	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 14:40	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 14:40	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 14:40	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 14:40	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 14:40	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 14:40	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 14:40	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 14:40	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 14:40	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 14:40	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 14:40	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 14:40	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 14:40	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 14:40	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 14:40	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 14:40	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 14:40	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 14:40	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 14:40	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 14:40	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 14:40	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 14:40	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 14:40	MCK	95-47-6		
Toluene-d8 (S)	99	%			04/07/07 14:40	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%			04/07/07 14:40	MCK	460-00-4		
Dibromofluoromethane (S)	99	%			04/07/07 14:40	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%			04/07/07 14:40	MCK	17060-07-0		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221340 Project Sample Number: 92141762-003 Date Collected: 04/04/07 16:50
Client Sample ID: BG-SPRING-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	ug/l	5.0	2.7	04/12/07 22:33	EWS	7440-38-2		
Barium	300	ug/l	5.0	0.19	04/12/07 22:33	EWS	7440-39-3		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 22:33	EWS	7440-43-9		
Chromium	30.	ug/l	5.0	0.44	04/12/07 22:33	EWS	7440-47-3		
Lead	ND	ug/l	5.0	4.0	04/12/07 22:33	EWS	7439-92-1		
Selenium	15.	ug/l	10.	4.3	04/12/07 22:33	EWS	7782-49-2		
Silver	ND	ug/l	5.0	0.50	04/12/07 22:33	EWS	7440-22-4		
Date Digested	04/10/07 09:00				04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.069 J	ug/l	0.20	0.030	04/06/07 15:12	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/07/07 15:04	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/07/07 15:04	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/07/07 15:04	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/07/07 15:04	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/07/07 15:04	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/07/07 15:04	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/07/07 15:04	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/07/07 15:04	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/07/07 15:04	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/07/07 15:04	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/07/07 15:04	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/07/07 15:04	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/07/07 15:04	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/07/07 15:04	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/07/07 15:04	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 15:04	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 15:04	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 15:04	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 15:04	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 15:04	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 15:04	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 15:04	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 15:04	MCK	107-06-2		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221340 Project Sample Number: 92141762-003 Date Collected: 04/04/07 16:50
Client Sample ID: BG-SPRING-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 15:04	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 15:04	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 15:04	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 15:04	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 15:04	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 15:04	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 15:04	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 15:04	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 15:04	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 15:04	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 15:04	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 15:04	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 15:04	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 15:04	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 15:04	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 15:04	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 15:04	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 15:04	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 15:04	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 15:04	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 15:04	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 15:04	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 15:04	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 15:04	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 15:04	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 15:04	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 15:04	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/07/07 15:04	MCK	2037-26-5		
4-Bromofluorobenzene (S)	96	%			04/07/07 15:04	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/07/07 15:04	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%			04/07/07 15:04	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221357 Project Sample Number: 92141762-004 Date Collected: 04/04/07 16:25
Client Sample ID: SW-01-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	ug/l	5.0	2.7	04/12/07 22:46	EWS	7440-38-2		
Barium	62.	ug/l	5.0	0.19	04/12/07 22:46	EWS	7440-39-3		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 22:46	EWS	7440-43-9		
Chromium	ND	ug/l	5.0	0.44	04/12/07 22:46	EWS	7440-47-3		
Lead	ND	ug/l	5.0	4.0	04/12/07 22:46	EWS	7439-92-1		
Selenium	ND	ug/l	10.	4.3	04/12/07 22:46	EWS	7782-49-2		
Silver	ND	ug/l	5.0	0.50	04/12/07 22:46	EWS	7440-22-4		
Date Digested	04/10/07 09:00				04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.084 J	ug/l	0.20	0.030	04/06/07 15:15	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/07/07 15:27	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/07/07 15:27	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/07/07 15:27	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/07/07 15:27	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/07/07 15:27	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/07/07 15:27	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/07/07 15:27	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/07/07 15:27	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/07/07 15:27	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/07/07 15:27	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/07/07 15:27	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/07/07 15:27	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/07/07 15:27	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/07/07 15:27	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/07/07 15:27	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 15:27	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 15:27	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 15:27	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 15:27	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 15:27	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 15:27	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 15:27	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 15:27	MCK	107-06-2		

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Pace Analytical Services, Inc.
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221357 Project Sample Number: 92141762-004 Date Collected: 04/04/07 16:25
Client Sample ID: SW-01-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 15:27	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 15:27	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 15:27	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 15:27	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 15:27	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 15:27	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 15:27	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 15:27	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 15:27	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 15:27	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 15:27	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 15:27	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 15:27	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 15:27	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 15:27	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 15:27	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 15:27	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 15:27	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 15:27	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 15:27	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 15:27	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 15:27	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 15:27	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 15:27	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 15:27	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 15:27	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 15:27	MCK	95-47-6		
Toluene-d8 (S)	101	%			04/07/07 15:27	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/07/07 15:27	MCK	460-00-4		
Dibromofluoromethane (S)	99	%			04/07/07 15:27	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%			04/07/07 15:27	MCK	17060-07-0		

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Pace Analytical Services, Inc.
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221373 Project Sample Number: 92141762-005 Date Collected: 04/04/07 14:46
Client Sample ID: SW-02-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	ug/l	5.0	2.7	04/12/07 22:50	EWS	7440-38-2		
Barium	40.	ug/l	5.0	0.19	04/12/07 22:50	EWS	7440-39-3		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 22:50	EWS	7440-43-9		
Chromium	ND	ug/l	5.0	0.44	04/12/07 22:50	EWS	7440-47-3		
Lead	ND	ug/l	5.0	4.0	04/12/07 22:50	EWS	7439-92-1		
Selenium	ND	ug/l	10.	4.3	04/12/07 22:50	EWS	7782-49-2		
Silver	ND	ug/l	5.0	0.50	04/12/07 22:50	EWS	7440-22-4		
Date Digested	04/10/07 09:00				04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.068 J	ug/l	0.20	0.030	04/06/07 15:17	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/07/07 15:50	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/07/07 15:50	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/07/07 15:50	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/07/07 15:50	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/07/07 15:50	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/07/07 15:50	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/07/07 15:50	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/07/07 15:50	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/07/07 15:50	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/07/07 15:50	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/07/07 15:50	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/07/07 15:50	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/07/07 15:50	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/07/07 15:50	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/07/07 15:50	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 15:50	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 15:50	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 15:50	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 15:50	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 15:50	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 15:50	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 15:50	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 15:50	MCK	107-06-2		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221373 Project Sample Number: 92141762-005 Date Collected: 04/04/07 14:46
Client Sample ID: SW-02-OLD Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 15:50	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 15:50	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 15:50	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 15:50	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 15:50	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 15:50	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 15:50	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 15:50	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 15:50	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 15:50	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 15:50	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 15:50	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 15:50	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 15:50	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 15:50	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 15:50	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 15:50	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 15:50	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 15:50	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 15:50	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 15:50	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 15:50	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 15:50	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 15:50	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 15:50	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 15:50	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 15:50	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/07/07 15:50	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%			04/07/07 15:50	MCK	460-00-4		
Dibromofluoromethane (S)	97	%			04/07/07 15:50	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%			04/07/07 15:50	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221381 Project Sample Number: 92141762-006 Date Collected: 04/04/07 14:09
Client Sample ID: DW-01-EDWARDS Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	ug/l	5.0	2.7	04/12/07 22:55	EWS	7440-38-2		
Barium	180	ug/l	5.0	0.19	04/12/07 22:55	EWS	7440-39-3		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 22:55	EWS	7440-43-9		
Chromium	ND	ug/l	5.0	0.44	04/12/07 22:55	EWS	7440-47-3		
Lead	ND	ug/l	5.0	4.0	04/12/07 22:55	EWS	7439-92-1		
Selenium	ND	ug/l	10.	4.3	04/12/07 22:55	EWS	7782-49-2		
Silver	ND	ug/l	5.0	0.50	04/12/07 22:55	EWS	7440-22-4		
Date Digested	04/10/07 09:00				04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.031 J	ug/l	0.20	0.030	04/06/07 15:19	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/07/07 16:14	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/07/07 16:14	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/07/07 16:14	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/07/07 16:14	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/07/07 16:14	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/07/07 16:14	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/07/07 16:14	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/07/07 16:14	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/07/07 16:14	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/07/07 16:14	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/07/07 16:14	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/07/07 16:14	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/07/07 16:14	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/07/07 16:14	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/07/07 16:14	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 16:14	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 16:14	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 16:14	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 16:14	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 16:14	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 16:14	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 16:14	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 16:14	MCK	107-06-2		

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Pace Analytical Services, Inc.
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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221381 Project Sample Number: 92141762-006 Date Collected: 04/04/07 14:09
Client Sample ID: DW-01-EDWARDS Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 16:14	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 16:14	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 16:14	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 16:14	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 16:14	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 16:14	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 16:14	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 16:14	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 16:14	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 16:14	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 16:14	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 16:14	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 16:14	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 16:14	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 16:14	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 16:14	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 16:14	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 16:14	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 16:14	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 16:14	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 16:14	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 16:14	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 16:14	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 16:14	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 16:14	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 16:14	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 16:14	MCK	95-47-6		
Toluene-d8 (S)	101	%			04/07/07 16:14	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/07/07 16:14	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/07/07 16:14	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%			04/07/07 16:14	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221399 Project Sample Number: 92141762-007 Date Collected: 04/04/07 14:30
Client Sample ID: DW-02-EDWARDS Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	ug/l	5.0	2.7	04/12/07 22:59	EWS	7440-38-2		
Barium	120	ug/l	5.0	0.19	04/12/07 22:59	EWS	7440-39-3		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 22:59	EWS	7440-43-9		
Chromium	ND	ug/l	5.0	0.44	04/12/07 22:59	EWS	7440-47-3		
Lead	ND	ug/l	5.0	4.0	04/12/07 22:59	EWS	7439-92-1		
Selenium	ND	ug/l	10.	4.3	04/12/07 22:59	EWS	7782-49-2		
Silver	1.8 J	ug/l	5.0	0.50	04/12/07 22:59	EWS	7440-22-4		
Date Digested	04/10/07 09:00				04/10/07 09:00				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	ND	ug/l	0.20	0.030	04/06/07 15:22	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/07/07 16:37	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/07/07 16:37	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/07/07 16:37	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/07/07 16:37	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/07/07 16:37	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/07/07 16:37	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/07/07 16:37	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/07/07 16:37	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/07/07 16:37	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/07/07 16:37	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/07/07 16:37	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/07/07 16:37	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/07/07 16:37	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/07/07 16:37	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/07/07 16:37	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 16:37	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 16:37	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 16:37	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 16:37	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 16:37	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 16:37	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 16:37	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 16:37	MCK	107-06-2		

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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928221399 Project Sample Number: 92141762-007 Date Collected: 04/04/07 14:30
Client Sample ID: DW-02-EDWARDS Matrix: Water Date Received: 04/04/07 17:25

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 16:37	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 16:37	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 16:37	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 16:37	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 16:37	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 16:37	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 16:37	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 16:37	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 16:37	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 16:37	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 16:37	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 16:37	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 16:37	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 16:37	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 16:37	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 16:37	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 16:37	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 16:37	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 16:37	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 16:37	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 16:37	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 16:37	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 16:37	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 16:37	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 16:37	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 16:37	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 16:37	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/07/07 16:37	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%			04/07/07 16:37	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/07/07 16:37	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%			04/07/07 16:37	MCK	17060-07-0		

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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928223981 Project Sample Number: 92141762-008 Date Collected: 04/05/07 12:57
Client Sample ID: MW-01 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 17:20	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 17:20	EWS	7440-38-2		
Barium	250		ug/l	100	0.19	04/12/07 17:20	EWS	7440-39-3		
Beryllium	0.35	J	ug/l	1.0	0.20	04/12/07 17:20	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 17:20	EWS	7440-43-9		
Chromium	17.		ug/l	10.	0.44	04/12/07 17:20	EWS	7440-47-3		
Cobalt	ND		ug/l	10.	0.60	04/12/07 17:20	EWS	7440-48-4		
Copper	15.		ug/l	10.	0.30	04/12/07 17:20	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 17:20	EWS	7439-92-1		
Nickel	9.2	J	ug/l	50.	1.7	04/12/07 17:20	EWS	7440-02-0		
Selenium	12.		ug/l	10.	4.3	04/12/07 17:20	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 17:20	EWS	7440-22-4		
Thallium	3.6	J	ug/l	5.5	3.3	04/12/07 17:20	EWS	7440-28-0		
Vanadium	34.		ug/l	25.	0.50	04/12/07 17:20	EWS	7440-62-2		
Zinc	53.		ug/l	10.	1.6	04/12/07 17:20	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	ND		ug/l	0.20	0.030	04/06/07 15:24	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/07/07 13:06	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/07/07 13:06	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/07/07 13:06	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/07/07 13:06	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/07/07 13:06	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/07/07 13:06	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/07/07 13:06	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/07/07 13:06	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/07/07 13:06	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/07/07 13:06	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/07/07 13:06	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/07/07 13:06	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/07/07 13:06	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/07/07 13:06	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/07/07 13:06	MCK	96-12-8		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928223981 Project Sample Number: 92141762-008 Date Collected: 04/05/07 12:57
Client Sample ID: MW-01 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 13:06	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 13:06	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 13:06	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 13:06	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 13:06	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 13:06	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 13:06	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 13:06	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 13:06	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 13:06	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 13:06	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 13:06	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 13:06	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 13:06	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 13:06	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 13:06	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 13:06	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 13:06	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 13:06	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 13:06	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 13:06	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 13:06	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 13:06	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 13:06	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 13:06	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 13:06	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 13:06	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 13:06	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 13:06	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 13:06	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 13:06	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 13:06	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 13:06	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 13:06	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 13:06	MCK	95-47-6		
Toluene-d8 (S)	99	%			04/07/07 13:06	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%			04/07/07 13:06	MCK	460-00-4		
Dibromofluoromethane (S)	97	%			04/07/07 13:06	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%			04/07/07 13:06	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224005 Project Sample Number: 92141762-009 Date Collected: 04/05/07 14:48
Client Sample ID: MW-02 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 17:24	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 17:24	EWS	7440-38-2		
Barium	230		ug/l	100	0.19	04/12/07 17:24	EWS	7440-39-3		
Beryllium	ND		ug/l	1.0	0.20	04/12/07 17:24	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 17:24	EWS	7440-43-9		
Chromium	1.1	J	ug/l	10.	0.44	04/12/07 17:24	EWS	7440-47-3		
Cobalt	30.		ug/l	10.	0.60	04/12/07 17:24	EWS	7440-48-4		
Copper	1.8	J	ug/l	10.	0.30	04/12/07 17:24	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 17:24	EWS	7439-92-1		
Nickel	ND		ug/l	50.	1.7	04/12/07 17:24	EWS	7440-02-0		
Selenium	8.7	J	ug/l	10.	4.3	04/12/07 17:24	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 17:24	EWS	7440-22-4		
Thallium	ND		ug/l	5.5	3.3	04/12/07 17:24	EWS	7440-28-0		
Vanadium	6.6	J	ug/l	25.	0.50	04/12/07 17:24	EWS	7440-62-2		
Zinc	20.		ug/l	10.	1.6	04/12/07 17:24	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	ND		ug/l	0.20	0.030	04/06/07 15:27	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/07/07 13:30	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/07/07 13:30	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/07/07 13:30	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/07/07 13:30	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/07/07 13:30	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/07/07 13:30	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/07/07 13:30	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/07/07 13:30	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/07/07 13:30	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/07/07 13:30	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/07/07 13:30	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/07/07 13:30	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/07/07 13:30	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/07/07 13:30	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/07/07 13:30	MCK	96-12-8		

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Pace Analytical Services, Inc.
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Huntersville, NC 28078
Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224005 Project Sample Number: 92141762-009 Date Collected: 04/05/07 14:48
Client Sample ID: MW-02 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 13:30	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 13:30	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 13:30	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 13:30	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 13:30	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 13:30	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 13:30	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 13:30	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 13:30	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 13:30	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 13:30	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 13:30	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 13:30	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 13:30	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 13:30	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 13:30	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 13:30	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 13:30	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 13:30	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 13:30	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 13:30	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 13:30	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 13:30	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 13:30	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 13:30	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 13:30	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 13:30	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 13:30	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 13:30	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 13:30	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 13:30	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 13:30	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 13:30	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 13:30	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 13:30	MCK	95-47-6		
Toluene-d8 (S)	99	%			04/07/07 13:30	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%			04/07/07 13:30	MCK	460-00-4		
Dibromofluoromethane (S)	97	%			04/07/07 13:30	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%			04/07/07 13:30	MCK	17060-07-0		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224021 Project Sample Number: 92141762-010 Date Collected: 04/05/07 08:45
Client Sample ID: MW-03 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 17:29	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 17:29	EWS	7440-38-2		
Barium	250		ug/l	100	0.19	04/12/07 17:29	EWS	7440-39-3		
Beryllium	ND		ug/l	1.0	0.20	04/12/07 17:29	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 17:29	EWS	7440-43-9		
Chromium	8.0	J	ug/l	10.	0.44	04/12/07 17:29	EWS	7440-47-3		
Cobalt	34.		ug/l	10.	0.60	04/12/07 17:29	EWS	7440-48-4		
Copper	2.3	J	ug/l	10.	0.30	04/12/07 17:29	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 17:29	EWS	7439-92-1		
Nickel	6.2	J	ug/l	50.	1.7	04/12/07 17:29	EWS	7440-02-0		
Selenium	27.		ug/l	10.	4.3	04/12/07 17:29	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 17:29	EWS	7440-22-4		
Thallium	5.2	J	ug/l	5.5	3.3	04/12/07 17:29	EWS	7440-28-0		
Vanadium	13.	J	ug/l	25.	0.50	04/12/07 17:29	EWS	7440-62-2		
Zinc	42.		ug/l	10.	1.6	04/12/07 17:29	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	ND		ug/l	0.20	0.030	04/06/07 15:29	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/07/07 13:53	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/07/07 13:53	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/07/07 13:53	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/07/07 13:53	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/07/07 13:53	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/07/07 13:53	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/07/07 13:53	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/07/07 13:53	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/07/07 13:53	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/07/07 13:53	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/07/07 13:53	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/07/07 13:53	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/07/07 13:53	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/07/07 13:53	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/07/07 13:53	MCK	96-12-8		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224021 Project Sample Number: 92141762-010 Date Collected: 04/05/07 08:45
Client Sample ID: MW-03 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/07/07 13:53	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/07/07 13:53	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/07/07 13:53	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/07/07 13:53	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/07/07 13:53	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/07/07 13:53	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/07/07 13:53	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/07/07 13:53	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/07/07 13:53	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/07/07 13:53	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/07/07 13:53	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/07/07 13:53	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/07/07 13:53	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/07/07 13:53	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/07/07 13:53	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/07/07 13:53	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/07/07 13:53	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/07/07 13:53	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/07/07 13:53	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/07/07 13:53	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/07/07 13:53	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/07/07 13:53	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/07/07 13:53	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/07/07 13:53	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/07/07 13:53	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/07/07 13:53	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/07/07 13:53	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/07/07 13:53	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/07/07 13:53	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/07/07 13:53	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/07/07 13:53	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/07/07 13:53	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/07/07 13:53	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/07/07 13:53	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/07/07 13:53	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/07/07 13:53	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%			04/07/07 13:53	MCK	460-00-4		
Dibromofluoromethane (S)	97	%			04/07/07 13:53	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	89	%			04/07/07 13:53	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224039 Project Sample Number: 92141762-011 Date Collected: 04/05/07 09:54
Client Sample ID: MW-04 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 17:33	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 17:33	EWS	7440-38-2		
Barium	120		ug/l	100	0.19	04/12/07 17:33	EWS	7440-39-3		
Beryllium	ND		ug/l	1.0	0.20	04/12/07 17:33	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 17:33	EWS	7440-43-9		
Chromium	ND		ug/l	10.	0.44	04/12/07 17:33	EWS	7440-47-3		
Cobalt	ND		ug/l	10.	0.60	04/12/07 17:33	EWS	7440-48-4		
Copper	ND		ug/l	10.	0.30	04/12/07 17:33	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 17:33	EWS	7439-92-1		
Nickel	ND		ug/l	50.	1.7	04/12/07 17:33	EWS	7440-02-0		
Selenium	ND		ug/l	10.	4.3	04/12/07 17:33	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 17:33	EWS	7440-22-4		
Thallium	ND		ug/l	5.5	3.3	04/12/07 17:33	EWS	7440-28-0		
Vanadium	6.4	J	ug/l	25.	0.50	04/12/07 17:33	EWS	7440-62-2		
Zinc	6.1	J	ug/l	10.	1.6	04/12/07 17:33	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.084	J	ug/l	0.20	0.030	04/06/07 13:56	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/06/07 16:12	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 16:12	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 16:12	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 16:12	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 16:12	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 16:12	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/06/07 16:12	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 16:12	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 16:12	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 16:12	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 16:12	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 16:12	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 16:12	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 16:12	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 16:12	MCK	96-12-8		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224039 Project Sample Number: 92141762-011 Date Collected: 04/05/07 09:54
Client Sample ID: MW-04 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 16:12	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 16:12	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 16:12	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 16:12	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 16:12	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 16:12	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 16:12	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 16:12	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 16:12	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 16:12	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 16:12	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 16:12	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 16:12	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 16:12	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 16:12	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 16:12	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 16:12	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 16:12	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 16:12	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 16:12	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 16:12	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 16:12	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 16:12	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 16:12	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 16:12	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 16:12	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 16:12	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 16:12	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 16:12	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 16:12	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 16:12	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 16:12	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 16:12	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 16:12	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 16:12	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/06/07 16:12	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/06/07 16:12	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/06/07 16:12	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%			04/06/07 16:12	MCK	17060-07-0		

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Pace Analytical Services, Inc.
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224047 Project Sample Number: 92141762-012 Date Collected: 04/05/07 11:55
Client Sample ID: MW-05 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Antimony	ND	ug/l	6.0	2.6	04/12/07 17:36	EWS	7440-36-0		
Arsenic	ND	ug/l	10.	2.7	04/12/07 17:36	EWS	7440-38-2		
Barium	650	ug/l	100	0.19	04/12/07 17:36	EWS	7440-39-3		
Beryllium	0.30 J	ug/l	1.0	0.20	04/12/07 17:36	EWS	7440-41-7		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 17:36	EWS	7440-43-9		
Chromium	87.	ug/l	10.	0.44	04/12/07 17:36	EWS	7440-47-3		
Cobalt	22.	ug/l	10.	0.60	04/12/07 17:36	EWS	7440-48-4		
Copper	57.	ug/l	10.	0.30	04/12/07 17:36	EWS	7440-50-8		
Lead	ND	ug/l	10.	4.0	04/12/07 17:36	EWS	7439-92-1		
Nickel	62.	ug/l	50.	1.7	04/12/07 17:36	EWS	7440-02-0		
Selenium	20.	ug/l	10.	4.3	04/12/07 17:36	EWS	7782-49-2		
Silver	ND	ug/l	10.	0.50	04/12/07 17:36	EWS	7440-22-4		
Thallium	9.1	ug/l	5.5	3.3	04/12/07 17:36	EWS	7440-28-0		
Vanadium	74.	ug/l	25.	0.50	04/12/07 17:36	EWS	7440-62-2		
Zinc	100	ug/l	10.	1.6	04/12/07 17:36	EWS	7440-66-6		
Date Digested	04/12/07 09:30				04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.077 J	ug/l	0.20	0.030	04/06/07 14:01	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/06/07 16:42	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/06/07 16:42	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/06/07 16:42	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/06/07 16:42	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/06/07 16:42	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/06/07 16:42	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/06/07 16:42	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/06/07 16:42	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/06/07 16:42	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/06/07 16:42	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/06/07 16:42	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/06/07 16:42	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/06/07 16:42	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/06/07 16:42	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/06/07 16:42	MCK	96-12-8		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224047 Project Sample Number: 92141762-012 Date Collected: 04/05/07 11:55
Client Sample ID: MW-05 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 16:42	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 16:42	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 16:42	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 16:42	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 16:42	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 16:42	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 16:42	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 16:42	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 16:42	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 16:42	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 16:42	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 16:42	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 16:42	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 16:42	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 16:42	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 16:42	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 16:42	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 16:42	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 16:42	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 16:42	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 16:42	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 16:42	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 16:42	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 16:42	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 16:42	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 16:42	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 16:42	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 16:42	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 16:42	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 16:42	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 16:42	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 16:42	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 16:42	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 16:42	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 16:42	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/06/07 16:42	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/06/07 16:42	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/06/07 16:42	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%			04/06/07 16:42	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224062 Project Sample Number: 92141762-013 Date Collected: 04/05/07 14:09
Client Sample ID: MW-7R Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Antimony	ND	ug/l	6.0	2.6	04/12/07 17:41	EWS	7440-36-0		
Arsenic	62.	ug/l	10.	2.7	04/12/07 17:41	EWS	7440-38-2		
Barium	1900	ug/l	100	0.19	04/12/07 17:41	EWS	7440-39-3		
Beryllium	12.	ug/l	1.0	0.20	04/12/07 17:41	EWS	7440-41-7		
Cadmium	ND	ug/l	1.0	0.50	04/12/07 17:41	EWS	7440-43-9		
Chromium	190	ug/l	10.	0.44	04/12/07 17:41	EWS	7440-47-3		
Cobalt	ND	ug/l	10.	0.60	04/12/07 17:41	EWS	7440-48-4		
Copper	57.	ug/l	10.	0.30	04/12/07 17:41	EWS	7440-50-8		
Lead	32.	ug/l	10.	4.0	04/12/07 17:41	EWS	7439-92-1		
Nickel	59.	ug/l	50.	1.7	04/12/07 17:41	EWS	7440-02-0		
Selenium	15.	ug/l	10.	4.3	04/12/07 17:41	EWS	7782-49-2		
Silver	ND	ug/l	10.	0.50	04/12/07 17:41	EWS	7440-22-4		
Thallium	ND	ug/l	5.5	3.3	04/12/07 17:41	EWS	7440-28-0		
Vanadium	280	ug/l	25.	0.50	04/12/07 17:41	EWS	7440-62-2		
Zinc	480	ug/l	10.	1.6	04/12/07 17:41	EWS	7440-66-6		
Date Digested	04/12/07 09:30				04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.10	J ug/l	0.20	0.030	04/06/07 14:06	ALV	7439-97-6		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/l	25.	1.8	04/06/07 17:12	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	1.6	04/06/07 17:12	MCK	107-13-1		
Benzene	ND	ug/l	1.0	0.31	04/06/07 17:12	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	0.37	04/06/07 17:12	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	0.21	04/06/07 17:12	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	0.17	04/06/07 17:12	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	0.51	04/06/07 17:12	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	1.2	04/06/07 17:12	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	1.1	04/06/07 17:12	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	0.27	04/06/07 17:12	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	0.15	04/06/07 17:12	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	0.78	04/06/07 17:12	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	0.29	04/06/07 17:12	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	0.78	04/06/07 17:12	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	0.39	04/06/07 17:12	MCK	96-12-8		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224062 Project Sample Number: 92141762-013 Date Collected: 04/05/07 14:09
Client Sample ID: MW-7R Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 17:12	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 17:12	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 17:12	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 17:12	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 17:12	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 17:12	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 17:12	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 17:12	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 17:12	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 17:12	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 17:12	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 17:12	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 17:12	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 17:12	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 17:12	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 17:12	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 17:12	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 17:12	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 17:12	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 17:12	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 17:12	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 17:12	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 17:12	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 17:12	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 17:12	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 17:12	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 17:12	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 17:12	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 17:12	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 17:12	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 17:12	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 17:12	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 17:12	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 17:12	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 17:12	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/06/07 17:12	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/06/07 17:12	MCK	460-00-4		
Dibromofluoromethane (S)	97	%			04/06/07 17:12	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%			04/06/07 17:12	MCK	17060-07-0		

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Pace Analytical Services, Inc.
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Huntersville, NC 28078
Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224070 Project Sample Number: 92141762-014 Date Collected: 04/05/07 13:39
Client Sample ID: MW-08 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 17:45	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 17:45	EWS	7440-38-2		
Barium	960		ug/l	100	0.19	04/12/07 17:45	EWS	7440-39-3		
Beryllium	3.0		ug/l	1.0	0.20	04/12/07 17:45	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 17:45	EWS	7440-43-9		
Chromium	43.		ug/l	10.	0.44	04/12/07 17:45	EWS	7440-47-3		
Cobalt	64.		ug/l	10.	0.60	04/12/07 17:45	EWS	7440-48-4		
Copper	160		ug/l	10.	0.30	04/12/07 17:45	EWS	7440-50-8		
Lead	6.1	J	ug/l	10.	4.0	04/12/07 17:45	EWS	7439-92-1		
Nickel	150		ug/l	50.	1.7	04/12/07 17:45	EWS	7440-02-0		
Selenium	14.		ug/l	10.	4.3	04/12/07 17:45	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 17:45	EWS	7440-22-4		
Thallium	28.		ug/l	5.5	3.3	04/12/07 17:45	EWS	7440-28-0		
Vanadium	400		ug/l	25.	0.50	04/12/07 17:45	EWS	7440-62-2		
Zinc	370		ug/l	10.	1.6	04/12/07 17:45	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.094	J	ug/l	0.20	0.030	04/06/07 14:08	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/06/07 17:42	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 17:42	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 17:42	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 17:42	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 17:42	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 17:42	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/06/07 17:42	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 17:42	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 17:42	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 17:42	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 17:42	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 17:42	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 17:42	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 17:42	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 17:42	MCK	96-12-8		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224070 Project Sample Number: 92141762-014 Date Collected: 04/05/07 13:39
Client Sample ID: MW-08 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 17:42	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 17:42	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 17:42	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 17:42	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 17:42	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 17:42	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 17:42	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 17:42	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 17:42	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 17:42	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 17:42	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 17:42	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 17:42	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 17:42	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 17:42	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 17:42	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 17:42	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 17:42	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 17:42	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 17:42	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 17:42	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 17:42	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 17:42	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 17:42	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 17:42	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 17:42	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 17:42	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 17:42	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 17:42	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 17:42	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 17:42	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 17:42	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 17:42	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 17:42	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 17:42	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/06/07 17:42	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%			04/06/07 17:42	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/06/07 17:42	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	95	%			04/06/07 17:42	MCK	17060-07-0		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224104 Project Sample Number: 92141762-015 Date Collected: 04/05/07 12:25
Client Sample ID: MW-09 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 17:57	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 17:57	EWS	7440-38-2		
Barium	2300		ug/l	100	0.19	04/12/07 17:57	EWS	7440-39-3		
Beryllium	2.5		ug/l	1.0	0.20	04/12/07 17:57	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 17:57	EWS	7440-43-9		
Chromium	ND		ug/l	10.	0.44	04/12/07 17:57	EWS	7440-47-3		
Cobalt	ND		ug/l	10.	0.60	04/12/07 17:57	EWS	7440-48-4		
Copper	110		ug/l	10.	0.30	04/12/07 17:57	EWS	7440-50-8		
Lead	4.2	J	ug/l	10.	4.0	04/12/07 17:57	EWS	7439-92-1		
Nickel	54.		ug/l	50.	1.7	04/12/07 17:57	EWS	7440-02-0		
Selenium	9.5	J	ug/l	10.	4.3	04/12/07 17:57	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 17:57	EWS	7440-22-4		
Thallium	48.		ug/l	5.5	3.3	04/12/07 17:57	EWS	7440-28-0		
Vanadium	370		ug/l	25.	0.50	04/12/07 17:57	EWS	7440-62-2		
Zinc	470		ug/l	10.	1.6	04/12/07 17:57	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.089	J	ug/l	0.20	0.030	04/06/07 14:10	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/06/07 18:12	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 18:12	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 18:12	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 18:12	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 18:12	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 18:12	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/06/07 18:12	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 18:12	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 18:12	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 18:12	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 18:12	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 18:12	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 18:12	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 18:12	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 18:12	MCK	96-12-8		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224104 Project Sample Number: 92141762-015 Date Collected: 04/05/07 12:25
Client Sample ID: MW-09 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 18:12	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 18:12	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 18:12	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 18:12	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 18:12	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 18:12	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 18:12	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 18:12	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 18:12	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 18:12	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 18:12	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 18:12	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 18:12	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 18:12	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 18:12	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 18:12	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 18:12	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 18:12	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 18:12	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 18:12	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 18:12	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 18:12	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 18:12	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 18:12	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 18:12	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 18:12	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 18:12	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 18:12	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 18:12	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 18:12	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 18:12	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 18:12	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 18:12	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 18:12	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 18:12	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/06/07 18:12	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/06/07 18:12	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/06/07 18:12	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	95	%			04/06/07 18:12	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224112 Project Sample Number: 92141762-016 Date Collected: 04/05/07 15:08
Client Sample ID: SW-01 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 18:03	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 18:03	EWS	7440-38-2		
Barium	38.	J	ug/l	100	0.19	04/12/07 18:03	EWS	7440-39-3		
Beryllium	ND		ug/l	1.0	0.20	04/12/07 18:03	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 18:03	EWS	7440-43-9		
Chromium	ND		ug/l	10.	0.44	04/12/07 18:03	EWS	7440-47-3		
Cobalt	ND		ug/l	10.	0.60	04/12/07 18:03	EWS	7440-48-4		
Copper	ND		ug/l	10.	0.30	04/12/07 18:03	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 18:03	EWS	7439-92-1		
Nickel	ND		ug/l	50.	1.7	04/12/07 18:03	EWS	7440-02-0		
Selenium	ND		ug/l	10.	4.3	04/12/07 18:03	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 18:03	EWS	7440-22-4		
Thallium	ND		ug/l	5.5	3.3	04/12/07 18:03	EWS	7440-28-0		
Vanadium	0.66	J	ug/l	25.	0.50	04/12/07 18:03	EWS	7440-62-2		
Zinc	15.		ug/l	10.	1.6	04/12/07 18:03	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.12	J	ug/l	0.20	0.030	04/06/07 14:13	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/06/07 18:42	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 18:42	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 18:42	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 18:42	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 18:42	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 18:42	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/06/07 18:42	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 18:42	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 18:42	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 18:42	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 18:42	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 18:42	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 18:42	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 18:42	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 18:42	MCK	96-12-8		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224112 Project Sample Number: 92141762-016 Date Collected: 04/05/07 15:08
Client Sample ID: SW-01 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 18:42	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 18:42	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 18:42	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 18:42	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 18:42	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 18:42	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 18:42	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 18:42	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 18:42	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 18:42	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 18:42	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 18:42	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 18:42	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 18:42	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 18:42	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 18:42	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 18:42	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 18:42	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 18:42	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 18:42	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 18:42	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 18:42	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 18:42	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 18:42	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 18:42	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 18:42	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 18:42	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 18:42	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 18:42	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 18:42	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 18:42	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 18:42	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 18:42	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 18:42	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 18:42	MCK	95-47-6		
Toluene-d8 (S)	101	%			04/06/07 18:42	MCK	2037-26-5		
4-Bromofluorobenzene (S)	101	%			04/06/07 18:42	MCK	460-00-4		
Dibromofluoromethane (S)	97	%			04/06/07 18:42	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%			04/06/07 18:42	MCK	17060-07-0		

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Pace Analytical Services, Inc.
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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224120 Project Sample Number: 92141762-017 Date Collected: 04/05/07 13:12
Client Sample ID: SW-02 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 18:06	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 18:06	EWS	7440-38-2		
Barium	58.	J	ug/l	100	0.19	04/12/07 18:06	EWS	7440-39-3		
Beryllium	ND		ug/l	1.0	0.20	04/12/07 18:06	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 18:06	EWS	7440-43-9		
Chromium	ND		ug/l	10.	0.44	04/12/07 18:06	EWS	7440-47-3		
Cobalt	ND		ug/l	10.	0.60	04/12/07 18:06	EWS	7440-48-4		
Copper	ND		ug/l	10.	0.30	04/12/07 18:06	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 18:06	EWS	7439-92-1		
Nickel	ND		ug/l	50.	1.7	04/12/07 18:06	EWS	7440-02-0		
Selenium	14.		ug/l	10.	4.3	04/12/07 18:06	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 18:06	EWS	7440-22-4		
Thallium	ND		ug/l	5.5	3.3	04/12/07 18:06	EWS	7440-28-0		
Vanadium	ND		ug/l	25.	0.50	04/12/07 18:06	EWS	7440-62-2		
Zinc	8.2	J	ug/l	10.	1.6	04/12/07 18:06	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.079	J	ug/l	0.20	0.030	04/06/07 14:15	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/06/07 19:12	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 19:12	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 19:12	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 19:12	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 19:12	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 19:12	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/06/07 19:12	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 19:12	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 19:12	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 19:12	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 19:12	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 19:12	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 19:12	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 19:12	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 19:12	MCK	96-12-8		

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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224120 Project Sample Number: 92141762-017 Date Collected: 04/05/07 13:12
Client Sample ID: SW-02 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 19:12	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 19:12	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 19:12	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 19:12	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 19:12	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 19:12	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 19:12	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 19:12	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 19:12	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 19:12	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 19:12	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 19:12	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 19:12	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 19:12	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 19:12	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 19:12	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 19:12	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 19:12	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 19:12	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 19:12	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 19:12	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 19:12	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 19:12	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 19:12	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 19:12	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 19:12	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 19:12	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 19:12	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 19:12	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 19:12	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 19:12	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 19:12	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 19:12	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 19:12	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 19:12	MCK	95-47-6		
Toluene-d8 (S)	100	%			04/06/07 19:12	MCK	2037-26-5		
4-Bromofluorobenzene (S)	97	%			04/06/07 19:12	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/06/07 19:12	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%			04/06/07 19:12	MCK	17060-07-0		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224138 Project Sample Number: 92141762-018 Date Collected: 04/05/07 10:12
Client Sample ID: LP-1 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Metals										
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010									
Antimony	ND		ug/l	6.0	2.6	04/12/07 18:10	EWS	7440-36-0		
Arsenic	ND		ug/l	10.	2.7	04/12/07 18:10	EWS	7440-38-2		
Barium	88.	J	ug/l	100	0.19	04/12/07 18:10	EWS	7440-39-3		
Beryllium	ND		ug/l	1.0	0.20	04/12/07 18:10	EWS	7440-41-7		
Cadmium	ND		ug/l	1.0	0.50	04/12/07 18:10	EWS	7440-43-9		
Chromium	2.2	J	ug/l	10.	0.44	04/12/07 18:10	EWS	7440-47-3		
Cobalt	8.9	J	ug/l	10.	0.60	04/12/07 18:10	EWS	7440-48-4		
Copper	0.45	J	ug/l	10.	0.30	04/12/07 18:10	EWS	7440-50-8		
Lead	ND		ug/l	10.	4.0	04/12/07 18:10	EWS	7439-92-1		
Nickel	19.	J	ug/l	50.	1.7	04/12/07 18:10	EWS	7440-02-0		
Selenium	ND		ug/l	10.	4.3	04/12/07 18:10	EWS	7782-49-2		
Silver	ND		ug/l	10.	0.50	04/12/07 18:10	EWS	7440-22-4		
Thallium	ND		ug/l	5.5	3.3	04/12/07 18:10	EWS	7440-28-0		
Vanadium	1.5	J	ug/l	25.	0.50	04/12/07 18:10	EWS	7440-62-2		
Zinc	18.		ug/l	10.	1.6	04/12/07 18:10	EWS	7440-66-6		
Date Digested	04/12/07 09:30					04/12/07 09:30				
Mercury, CVAAS, in Water	Method: EPA 7470									
Mercury	0.11	J	ug/l	0.20	0.030	04/06/07 14:17	ALV	7439-97-6		
GC/MS Volatiles										
GC/MS VOCs by 8260, low level	Method: EPA 8260									
Acetone	ND		ug/l	25.	1.8	04/06/07 19:42	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 19:42	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 19:42	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 19:42	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 19:42	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 19:42	MCK	75-25-2		
Bromomethane	1.6		ug/l	1.0	0.51	04/06/07 19:42	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 19:42	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 19:42	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 19:42	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 19:42	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 19:42	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 19:42	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 19:42	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 19:42	MCK	96-12-8		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
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Phone: 704.875.9092
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Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224138 Project Sample Number: 92141762-018 Date Collected: 04/05/07 10:12
Client Sample ID: LP-1 Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/l	1.0	0.17	04/06/07 19:42	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	0.15	04/06/07 19:42	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	0.27	04/06/07 19:42	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	0.14	04/06/07 19:42	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	0.17	04/06/07 19:42	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	0.28	04/06/07 19:42	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	0.42	04/06/07 19:42	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	0.18	04/06/07 19:42	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0		04/06/07 19:42	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	0.39	04/06/07 19:42	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	0.33	04/06/07 19:42	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	0.44	04/06/07 19:42	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	0.20	04/06/07 19:42	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	0.17	04/06/07 19:42	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	0.12	04/06/07 19:42	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	0.17	04/06/07 19:42	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	0.62	04/06/07 19:42	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	0.65	04/06/07 19:42	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	0.46	04/06/07 19:42	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	0.66	04/06/07 19:42	MCK	108-10-1		
Styrene	ND	ug/l	1.0	0.15	04/06/07 19:42	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	0.25	04/06/07 19:42	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 19:42	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 19:42	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 19:42	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 19:42	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 19:42	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 19:42	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 19:42	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 19:42	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 19:42	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 19:42	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 19:42	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 19:42	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 19:42	MCK	95-47-6		
Toluene-d8 (S)	101	%			04/06/07 19:42	MCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%			04/06/07 19:42	MCK	460-00-4		
Dibromofluoromethane (S)	100	%			04/06/07 19:42	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%			04/06/07 19:42	MCK	17060-07-0		

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Pace Analytical Services, Inc.
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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224153 Project Sample Number: 92141762-019 Date Collected: 04/05/07 00:00
Client Sample ID: TRIP BLANK LAB Matrix: Water Date Received: 04/05/07 16:32

GC/MS Volatiles

GC/MS VOCs by 8260, low level Method: EPA 8260

Parameters	Results		Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	6.3	J	ug/l	25.	1.8	04/06/07 15:42	MCK	67-64-1		
Acrylonitrile	ND		ug/l	5.0	1.6	04/06/07 15:42	MCK	107-13-1		
Benzene	ND		ug/l	1.0	0.31	04/06/07 15:42	MCK	71-43-2		
Bromochloromethane	ND		ug/l	1.0	0.37	04/06/07 15:42	MCK	74-97-5		
Bromodichloromethane	ND		ug/l	1.0	0.21	04/06/07 15:42	MCK	75-27-4		
Bromoform	ND		ug/l	1.0	0.17	04/06/07 15:42	MCK	75-25-2		
Bromomethane	ND		ug/l	1.0	0.51	04/06/07 15:42	MCK	74-83-9		
2-Butanone (MEK)	ND		ug/l	2.0	1.2	04/06/07 15:42	MCK	78-93-3		
Carbon disulfide	ND		ug/l	2.0	1.1	04/06/07 15:42	MCK	75-15-0		
Carbon tetrachloride	ND		ug/l	1.0	0.27	04/06/07 15:42	MCK	56-23-5		
Chlorobenzene	ND		ug/l	1.0	0.15	04/06/07 15:42	MCK	108-90-7		
Chloroethane	ND		ug/l	1.0	0.78	04/06/07 15:42	MCK	75-00-3		
Chloroform	ND		ug/l	1.0	0.29	04/06/07 15:42	MCK	67-66-3		
Chloromethane	ND		ug/l	1.0	0.78	04/06/07 15:42	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	0.39	04/06/07 15:42	MCK	96-12-8		
Dibromochloromethane	ND		ug/l	1.0	0.17	04/06/07 15:42	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND		ug/l	1.0	0.15	04/06/07 15:42	MCK	106-93-4		
Dibromomethane	ND		ug/l	1.0	0.27	04/06/07 15:42	MCK	74-95-3		
1,2-Dichlorobenzene	ND		ug/l	1.0	0.14	04/06/07 15:42	MCK	95-50-1		
1,4-Dichlorobenzene	ND		ug/l	1.0	0.17	04/06/07 15:42	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND		ug/l	1.0	0.28	04/06/07 15:42	MCK	110-57-6		
1,1-Dichloroethane	ND		ug/l	1.0	0.42	04/06/07 15:42	MCK	75-34-3		
1,2-Dichloroethane	ND		ug/l	1.0	0.18	04/06/07 15:42	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND		ug/l	1.0		04/06/07 15:42	MCK	540-59-0		
1,1-Dichloroethene	ND		ug/l	1.0	0.39	04/06/07 15:42	MCK	75-35-4		
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.33	04/06/07 15:42	MCK	156-59-2		
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.44	04/06/07 15:42	MCK	156-60-5		
1,2-Dichloropropane	ND		ug/l	1.0	0.20	04/06/07 15:42	MCK	78-87-5		
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.17	04/06/07 15:42	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.12	04/06/07 15:42	MCK	10061-02-6		
Ethylbenzene	ND		ug/l	1.0	0.17	04/06/07 15:42	MCK	100-41-4		
2-Hexanone	ND		ug/l	5.0	0.62	04/06/07 15:42	MCK	591-78-6		
Iodomethane	ND		ug/l	5.0	0.65	04/06/07 15:42	MCK	74-88-4		
Methylene chloride	1.2	J	ug/l	2.0	0.46	04/06/07 15:42	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND		ug/l	5.0	0.66	04/06/07 15:42	MCK	108-10-1		
Styrene	ND		ug/l	1.0	0.15	04/06/07 15:42	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.25	04/06/07 15:42	MCK	630-20-6		

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Pace Analytical Services, Inc.
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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

Lab Sample No: 928224153 Project Sample Number: 92141762-019 Date Collected: 04/05/07 00:00
Client Sample ID: TRIP BLANK LAB Matrix: Water Date Received: 04/05/07 16:32

Parameters	Results	Units	Report Limit	MDL	Analyzed	By	CAS No.	Qual	RegLmt
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	0.24	04/06/07 15:42	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	0.16	04/06/07 15:42	MCK	127-18-4		
Toluene	ND	ug/l	1.0	0.24	04/06/07 15:42	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	0.35	04/06/07 15:42	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	0.16	04/06/07 15:42	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	0.26	04/06/07 15:42	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	0.41	04/06/07 15:42	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	0.22	04/06/07 15:42	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	0.80	04/06/07 15:42	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	0.58	04/06/07 15:42	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0		04/06/07 15:42	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	0.39	04/06/07 15:42	MCK			
o-Xylene	ND	ug/l	1.0	0.17	04/06/07 15:42	MCK	95-47-6		
Toluene-d8 (S)	101	%			04/06/07 15:42	MCK	2037-26-5		
4-Bromofluorobenzene (S)	99	%			04/06/07 15:42	MCK	460-00-4		
Dibromofluoromethane (S)	98	%			04/06/07 15:42	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%			04/06/07 15:42	MCK	17060-07-0		

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SC 99006
FL NELAP E87627

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

Asheville Certification IDs
NC Wastewater 40
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SC Environmental 99030
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QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QC Batch: 185212 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399 928223981 928224005 928224021

METHOD BLANK: 928226265
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399 928223981 928224005 928224021

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Acrylonitrile	ug/l	ND	5.0	
Benzene	ug/l	ND	1.0	
Bromochloromethane	ug/l	ND	1.0	
Bromodichloromethane	ug/l	ND	1.0	
Bromoform	ug/l	ND	1.0	
Bromomethane	ug/l	ND	1.0	
2-Butanone (MEK)	ug/l	ND	2.0	
Carbon disulfide	ug/l	ND	2.0	
Carbon tetrachloride	ug/l	ND	1.0	
Chlorobenzene	ug/l	ND	1.0	
Chloroethane	ug/l	ND	1.0	
Chloroform	ug/l	ND	1.0	
Chloromethane	ug/l	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	1.0	
Dibromochloromethane	ug/l	ND	1.0	
1,2-Dibromoethane (EDB)	ug/l	ND	1.0	
Dibromomethane	ug/l	ND	1.0	
1,2-Dichlorobenzene	ug/l	ND	1.0	
1,4-Dichlorobenzene	ug/l	ND	1.0	
trans-1,4-Dichloro-2-butene	ug/l	ND	1.0	
1,1-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethene (Total)	ug/l	ND	1.0	
1,1-Dichloroethene	ug/l	ND	1.0	
cis-1,2-Dichloroethene	ug/l	ND	1.0	
trans-1,2-Dichloroethene	ug/l	ND	1.0	
1,2-Dichloropropane	ug/l	ND	1.0	
cis-1,3-Dichloropropene	ug/l	ND	1.0	

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QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

METHOD BLANK: 928226265
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399 928223981 928224005 928224021

Parameter	Units	Blank Result	Reporting Limit	Footnotes
trans-1,3-Dichloropropene	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	
2-Hexanone	ug/l	ND	5.0	
Iodomethane	ug/l	ND	5.0	
Methylene chloride	ug/l	1.9	2.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	5.0	
Styrene	ug/l	ND	1.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
Tetrachloroethene	ug/l	ND	1.0	
Toluene	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
1,2,3-Trichloropropane	ug/l	ND	1.0	
Vinyl acetate	ug/l	ND	1.0	
Vinyl chloride	ug/l	ND	1.0	
Xylene (Total)	ug/l	ND	2.0	
m&p-Xylene	ug/l	ND	2.0	
o-Xylene	ug/l	ND	1.0	
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	97		
Dibromofluoromethane (S)	%	97		
1,2-Dichloroethane-d4 (S)	%	89		

LABORATORY CONTROL SAMPLE: 928226273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Acetone	ug/l	100.00	93.37	93	50-150	
Acrylonitrile	ug/l	250.00	261.4	105	50-150	
Benzene	ug/l	50.00	54.56	109	66-123	
Bromochloromethane	ug/l	50.00	50.46	101	64-125	

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QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

LABORATORY CONTROL SAMPLE: 928226273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Bromodichloromethane	ug/l	50.00	47.01	94	66-126	
Bromoform	ug/l	50.00	45.91	92	50-132	
Bromomethane	ug/l	50.00	69.99	140	50-150	
2-Butanone (MEK)	ug/l	100.00	98.37	98	51-135	
Carbon disulfide	ug/l	50.00	60.29	121	50-150	
Carbon tetrachloride	ug/l	50.00	54.69	109	65-134	
Chlorobenzene	ug/l	50.00	53.07	106	66-123	
Chloroethane	ug/l	50.00	59.40	119	52-146	
Chloroform	ug/l	50.00	48.46	97	64-128	
Chloromethane	ug/l	50.00	45.58	91	25-127	
1,2-Dibromo-3-chloropropane	ug/l	50.00	42.01	84	56-125	
Dibromochloromethane	ug/l	50.00	46.73	94	57-131	
1,2-Dibromoethane (EDB)	ug/l	50.00	49.67	99	64-123	
Dibromomethane	ug/l	50.00	53.00	106	64-122	
1,2-Dichlorobenzene	ug/l	50.00	51.07	102	63-123	
1,4-Dichlorobenzene	ug/l	50.00	50.54	101	62-123	
trans-1,4-Dichloro-2-butene	ug/l	50.00	47.29	95	50-143	
1,1-Dichloroethane	ug/l	50.00	55.78	112	64-132	
1,2-Dichloroethane	ug/l	50.00	46.08	92	62-123	
1,1-Dichloroethene	ug/l	50.00	48.21	96	62-139	
cis-1,2-Dichloroethene	ug/l	50.00	51.04	102	65-130	
trans-1,2-Dichloroethene	ug/l	50.00	49.56	99	67-134	
1,2-Dichloropropane	ug/l	50.00	54.76	110	66-124	
cis-1,3-Dichloropropene	ug/l	50.00	53.93	108	63-127	
trans-1,3-Dichloropropene	ug/l	50.00	51.13	102	61-126	
Ethylbenzene	ug/l	50.00	50.28	101	68-126	
2-Hexanone	ug/l	100.00	97.11	97	59-131	
Iodomethane	ug/l	100.00	117.1	117	50-150	
Methylene chloride	ug/l	50.00	50.63	101	54-132	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	94.16	94	58-130	
Styrene	ug/l	50.00	53.26	107	65-127	
1,1,1,2-Tetrachloroethane	ug/l	50.00	48.32	97	65-125	
1,1,2,2-Tetrachloroethane	ug/l	50.00	48.64	97	58-124	
Tetrachloroethene	ug/l	50.00	52.55	105	50-150	
Toluene	ug/l	50.00	52.04	104	66-125	
1,1,1-Trichloroethane	ug/l	50.00	49.81	100	65-133	
1,1,2-Trichloroethane	ug/l	50.00	50.82	102	64-122	

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QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

LABORATORY CONTROL SAMPLE: 928226273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Trichloroethene	ug/l	50.00	55.42	111	63-134	
Trichlorofluoromethane	ug/l	50.00	52.64	105	54-135	
1,2,3-Trichloropropane	ug/l	50.00	48.06	96	63-124	
Vinyl acetate	ug/l	100.00	107.9	108	50-150	
Vinyl chloride	ug/l	50.00	51.65	103	50-130	
m&p-Xylene	ug/l	100.00	102.8	103	66-126	
o-Xylene	ug/l	50.00	51.50	103	65-126	
Toluene-d8 (S)				99	70-120	
4-Bromofluorobenzene (S)				99	76-112	
Dibromofluoromethane (S)				98	86-119	
1,2-Dichloroethane-d4 (S)				90	79-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928232644 928232651

Parameter	Units	928225028 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
Benzene	ug/l	0	50.00	52.88	65.79	106	132	53-134	22		
Chlorobenzene	ug/l	0	50.00	51.47	65.35	103	131	53-133	24		
1,1-Dichloroethene	ug/l	0	50.00	46.34	55.42	93	111	50-146	18		
Toluene	ug/l	0	50.00	49.65	61.69	99	123	51-133	22		
Trichloroethene	ug/l	0	50.00	55.08	66.30	110	133	55-138	18		
Toluene-d8 (S)						100	100	70-120			
4-Bromofluorobenzene (S)						98	99	76-112			
Dibromofluoromethane (S)						102	100	86-119			
1,2-Dichloroethane-d4 (S)						96	96	79-130			

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QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QC Batch: 185213 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138 928224153

METHOD BLANK: 928226281
Associated Lab Samples: 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138 928224153

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Acrylonitrile	ug/l	ND	5.0	
Benzene	ug/l	ND	1.0	
Bromochloromethane	ug/l	ND	1.0	
Bromodichloromethane	ug/l	ND	1.0	
Bromoform	ug/l	ND	1.0	
Bromomethane	ug/l	ND	1.0	
2-Butanone (MEK)	ug/l	ND	2.0	
Carbon disulfide	ug/l	ND	2.0	
Carbon tetrachloride	ug/l	ND	1.0	
Chlorobenzene	ug/l	ND	1.0	
Chloroethane	ug/l	ND	1.0	
Chloroform	ug/l	ND	1.0	
Chloromethane	ug/l	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	1.0	
Dibromochloromethane	ug/l	ND	1.0	
1,2-Dibromoethane (EDB)	ug/l	ND	1.0	
Dibromomethane	ug/l	ND	1.0	
1,2-Dichlorobenzene	ug/l	ND	1.0	
1,4-Dichlorobenzene	ug/l	ND	1.0	
trans-1,4-Dichloro-2-butene	ug/l	ND	1.0	
1,1-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethene (Total)	ug/l	ND	1.0	
1,1-Dichloroethene	ug/l	ND	1.0	
cis-1,2-Dichloroethene	ug/l	ND	1.0	
trans-1,2-Dichloroethene	ug/l	ND	1.0	
1,2-Dichloropropane	ug/l	ND	1.0	
cis-1,3-Dichloropropene	ug/l	ND	1.0	

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Lab Project Number: 92141762
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METHOD BLANK: 928226281
Associated Lab Samples: 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138 928224153

Parameter	Units	Blank Result	Reporting Limit	Footnotes
trans-1,3-Dichloropropene	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	
2-Hexanone	ug/l	ND	5.0	
Iodomethane	ug/l	ND	5.0	
Methylene chloride	ug/l	1.9	2.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	5.0	
Styrene	ug/l	ND	1.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
Tetrachloroethene	ug/l	ND	1.0	
Toluene	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
1,2,3-Trichloropropane	ug/l	ND	1.0	
Vinyl acetate	ug/l	ND	1.0	
Vinyl chloride	ug/l	ND	1.0	
Xylene (Total)	ug/l	ND	2.0	
m&p-Xylene	ug/l	ND	2.0	
o-Xylene	ug/l	ND	1.0	
Toluene-d8 (S)	%	101		
4-Bromofluorobenzene (S)	%	100		
Dibromofluoromethane (S)	%	98		
1,2-Dichloroethane-d4 (S)	%	93		

LABORATORY CONTROL SAMPLE: 928226299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Acetone	ug/l	100.00	83.79	84	50-150	
Acrylonitrile	ug/l	250.00	245.5	98	50-150	
Benzene	ug/l	50.00	50.71	101	66-123	
Bromochloromethane	ug/l	50.00	42.84	86	64-125	

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QUALITY CONTROL DATA

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LABORATORY CONTROL SAMPLE: 928226299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Bromodichloromethane	ug/l	50.00	45.19	90	66-126	
Bromoform	ug/l	50.00	43.44	87	50-132	
Bromomethane	ug/l	50.00	62.20	124	50-150	
2-Butanone (MEK)	ug/l	100.00	89.61	90	51-135	
Carbon disulfide	ug/l	50.00	55.36	111	50-150	
Carbon tetrachloride	ug/l	50.00	54.05	108	65-134	
Chlorobenzene	ug/l	50.00	49.27	98	66-123	
Chloroethane	ug/l	50.00	52.57	105	52-146	
Chloroform	ug/l	50.00	44.88	90	64-128	
Chloromethane	ug/l	50.00	44.42	89	25-127	
1,2-Dibromo-3-chloropropane	ug/l	50.00	39.17	78	56-125	
Dibromochloromethane	ug/l	50.00	43.83	88	57-131	
1,2-Dibromoethane (EDB)	ug/l	50.00	44.78	90	64-123	
Dibromomethane	ug/l	50.00	48.37	97	64-122	
1,2-Dichlorobenzene	ug/l	50.00	46.52	93	63-123	
1,4-Dichlorobenzene	ug/l	50.00	45.75	92	62-123	
trans-1,4-Dichloro-2-butene	ug/l	50.00	53.02	106	50-143	
1,1-Dichloroethane	ug/l	50.00	52.15	104	64-132	
1,2-Dichloroethane	ug/l	50.00	44.69	89	62-123	
1,1-Dichloroethene	ug/l	50.00	44.30	89	62-139	
cis-1,2-Dichloroethene	ug/l	50.00	48.20	96	65-130	
trans-1,2-Dichloroethene	ug/l	50.00	46.45	93	67-134	
1,2-Dichloropropane	ug/l	50.00	52.48	105	66-124	
cis-1,3-Dichloropropene	ug/l	50.00	50.88	102	63-127	
trans-1,3-Dichloropropene	ug/l	50.00	49.13	98	61-126	
Ethylbenzene	ug/l	50.00	46.19	92	68-126	
2-Hexanone	ug/l	100.00	90.27	90	59-131	
Iodomethane	ug/l	100.00	96.28	96	50-150	
Methylene chloride	ug/l	50.00	49.50	99	54-132	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	89.32	89	58-130	
Styrene	ug/l	50.00	49.52	99	65-127	
1,1,1,2-Tetrachloroethane	ug/l	50.00	46.27	92	65-125	
1,1,2,2-Tetrachloroethane	ug/l	50.00	43.77	88	58-124	
Tetrachloroethene	ug/l	50.00	48.86	98	50-150	
Toluene	ug/l	50.00	48.16	96	66-125	
1,1,1-Trichloroethane	ug/l	50.00	48.51	97	65-133	
1,1,2-Trichloroethane	ug/l	50.00	46.27	92	64-122	

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QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

LABORATORY CONTROL SAMPLE: 928226299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Trichloroethene	ug/l	50.00	52.96	106	63-134	
Trichlorofluoromethane	ug/l	50.00	50.23	100	54-135	
1,2,3-Trichloropropane	ug/l	50.00	44.55	89	63-124	
Vinyl acetate	ug/l	100.00	95.51	96	50-150	
Vinyl chloride	ug/l	50.00	48.09	96	50-130	
m&p-Xylene	ug/l	100.00	95.09	95	66-126	
o-Xylene	ug/l	50.00	47.47	95	65-126	
Toluene-d8 (S)				101	70-120	
4-Bromofluorobenzene (S)				100	76-112	
Dibromofluoromethane (S)				100	86-119	
1,2-Dichloroethane-d4 (S)				92	79-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928231588 928231596

Parameter	Units	928224112 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Footnotes
Benzene	ug/l	0	50.00	53.44	51.74	107	104	53-134	3		
Chlorobenzene	ug/l	0	50.00	54.01	52.05	108	104	53-133	4		
1,1-Dichloroethene	ug/l	0	50.00	45.76	45.28	92	91	50-146	1		
Toluene	ug/l	0	50.00	50.88	47.85	102	96	51-133	6		
Trichloroethene	ug/l	0	50.00	54.95	52.30	110	105	55-138	5		
Toluene-d8 (S)						96	98	70-120			
4-Bromofluorobenzene (S)						98	99	76-112			
Dibromofluoromethane (S)						95	101	86-119			
1,2-Dichloroethane-d4 (S)						97	103	79-130			

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QC Batch: 185200 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399 928223981 928224005 928224021

METHOD BLANK: 928225739
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399 928223981 928224005 928224021

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	ug/l	0.087	0.20	

LABORATORY CONTROL SAMPLE: 928225747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Mercury	ug/l	2.500	2.470	99	80-120	

MATRIX SPIKE: 928225911

Parameter	Units	928221167 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
Mercury	ug/l	0.06800	2.500	2.370	92	75-125	

SAMPLE DUPLICATE: 928225929

Parameter	Units	928221175 Result	DUP Result	RPD	Max RPD	Footnotes
Mercury	ug/l	0.1600	0.1900	0	25	

Asheville Certification IDs
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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QC Batch: 185203 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138

METHOD BLANK: 928225853
Associated Lab Samples: 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	ug/l	0.076	0.20	

LABORATORY CONTROL SAMPLE: 928225861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Mercury	ug/l	2.500	2.430	97	80-120	

MATRIX SPIKE: 928225879

Parameter	Units	928224039 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
Mercury	ug/l	0.08400	2.500	2.480	96	75-125	

SAMPLE DUPLICATE: 928225887

Parameter	Units	928224047 Result	DUP Result	RPD	Max RPD	Footnotes
Mercury	ug/l	0.07700	0.06600	0	25	

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NC Drinking Water 37712
SC Environmental 99030
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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QC Batch: 185474 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399

METHOD BLANK: 928235480
Associated Lab Samples: 928221316 928221324 928221340 928221357 928221373 928221381 928221399

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	ug/l	ND	5.0	
Barium	ug/l	ND	5.0	
Cadmium	ug/l	ND	1.0	
Chromium	ug/l	ND	5.0	
Lead	ug/l	ND	5.0	
Selenium	ug/l	ND	10.	
Silver	ug/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 928235498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Arsenic	ug/l	500.00	529.0	106	80-120	
Barium	ug/l	500.00	483.0	97	80-120	
Cadmium	ug/l	500.00	532.0	106	80-120	
Chromium	ug/l	500.00	529.0	106	80-120	
Lead	ug/l	500.00	530.0	106	80-120	
Selenium	ug/l	500.00	516.0	103	80-120	
Silver	ug/l	250.00	256.0	102	80-120	

MATRIX SPIKE: 928235506

Parameter	Units	928211887 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
Arsenic	ug/l	0.09100	500.00	526.0	105	80-120	
Barium	ug/l	53.50	500.00	518.0	93	80-120	
Cadmium	ug/l	0	500.00	522.0	104	80-120	
Chromium	ug/l	0	500.00	522.0	104	80-120	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

MATRIX SPIKE: 928235506

Parameter	Units	928211887 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
Lead	ug/l	0	500.00	514.0	103	80-120	
Selenium	ug/l	1.420	500.00	512.0	102	80-120	
Silver	ug/l	0.08700	250.00	252.0	101	80-120	

SAMPLE DUPLICATE: 928235514

Parameter	Units	928211895 Result	DUP Result	RPD	Max RPD	Footnotes
Arsenic	mg/l	ND	ND	NC	20	
Barium	mg/l	140.0	ND	NC	20	
Cadmium	mg/l	ND	ND	NC	20	
Chromium	mg/l	ND	ND	NC	20	
Lead	mg/l	ND	ND	NC	20	
Selenium	mg/l	6.100	ND	NC	20	
Silver	mg/l	ND	ND	NC	20	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

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Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QC Batch: 185598 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 928223981 928224005 928224021 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138

METHOD BLANK: 928239755
Associated Lab Samples: 928223981 928224005 928224021 928224039 928224047 928224062 928224070 928224104 928224112 928224120 928224138

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Antimony	ug/l	ND	5.0	
Arsenic	ug/l	ND	5.0	
Barium	ug/l	ND	5.0	
Beryllium	ug/l	ND	1.0	
Cadmium	ug/l	ND	1.0	
Chromium	ug/l	ND	5.0	
Cobalt	ug/l	ND	5.0	
Copper	ug/l	ND	2.0	
Lead	ug/l	ND	5.0	
Nickel	ug/l	ND	5.0	
Selenium	ug/l	ND	10.	
Silver	ug/l	ND	5.0	
Thallium	ug/l	ND	10.	
Vanadium	ug/l	ND	5.0	
Zinc	ug/l	4.1	10.	

LABORATORY CONTROL SAMPLE: 928239763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Antimony	ug/l	500.00	508.0	102	80-120	
Arsenic	ug/l	500.00	509.0	102	80-120	
Barium	ug/l	500.00	489.0	98	80-120	
Beryllium	ug/l	500.00	528.0	106	80-120	
Cadmium	ug/l	500.00	512.0	102	80-120	
Chromium	ug/l	500.00	521.0	104	80-120	
Cobalt	ug/l	500.00	500.0	100	80-120	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

LABORATORY CONTROL SAMPLE: 928239763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Copper	ug/l	500.00	498.0	100	80-120	
Lead	ug/l	500.00	514.0	103	80-120	
Nickel	ug/l	500.00	515.0	103	80-120	
Selenium	ug/l	500.00	500.0	100	80-120	
Silver	ug/l	250.00	248.0	99	80-120	
Thallium	ug/l	500.00	491.0	98	80-120	
Vanadium	ug/l	500.00	507.0	101	80-120	
Zinc	ug/l	500.00	498.0	100	80-120	

MATRIX SPIKE: 928239771

Parameter	Units	928236371 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
Antimony	ug/l	0	500.00	356.0	71	80-120	1
Arsenic	ug/l	3.920	500.00	482.0	96	80-120	
Barium	ug/l	192.0	500.00	643.0	90	80-120	
Beryllium	ug/l	0.6860	500.00	481.0	96	80-120	
Cadmium	ug/l	0	500.00	435.0	87	80-120	
Chromium	ug/l	84.50	500.00	583.0	100	80-120	
Cobalt	ug/l	218.0	500.00	733.0	103	80-120	
Copper	ug/l	22.00	500.00	513.0	98	80-120	
Lead	ug/l	50.30	500.00	497.0	89	80-120	
Nickel	ug/l	13.70	500.00	455.0	88	80-120	
Selenium	ug/l	4.780	500.00	487.0	96	80-120	
Silver	ug/l	0	250.00	233.0	93	80-120	
Thallium	ug/l	4.650	500.00	423.0	84	80-120	
Vanadium	ug/l	54.10	500.00	535.0	96	80-120	
Zinc	ug/l	137.0	500.00	570.0	87	80-120	

SAMPLE DUPLICATE: 928239789

Parameter	Units	928220201 Result	DUP Result	RPD	Max RPD	Footnotes
Antimony	ug/l	ND	ND	NC	20	
Arsenic	ug/l	ND	ND	NC	20	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

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Charlotte Certification IDs
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NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

SAMPLE DUPLICATE: 928239789

Parameter	Units	928220201 Result	DUP Result	RPD	Max RPD	Footnotes
Barium	ug/l	30.00	28.00	6	20	
Beryllium	ug/l	ND	ND	NC	20	
Cadmium	ug/l	ND	ND	NC	20	
Chromium	ug/l	ND	ND	NC	20	
Cobalt	ug/l	21.00	23.00	10	20	
Copper	ug/l	1.700	3.300	0	20	
Lead	ug/l	ND	ND	NC	20	
Nickel	ug/l	ND	ND	NC	20	
Selenium	ug/l	ND	ND	NC	20	
Silver	ug/l	ND	ND	NC	20	
Thallium	ug/l	ND	22.00	0	20	
Vanadium	ug/l	ND	ND	NC	20	
Zinc	ug/l	540.0	480.0	11	20	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

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NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 92141762
Client Project ID: Madison County LF 2006.12

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Asheville Certification IDs
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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

1030696

Section A Required Client Information:

Company: Altamont Environmental
Address: 50 College St.
Asheville NC 28801
Email To: JHAzinski@altamontenvironmental.com
Phone: 828-281-3350 Fax: 828-281-3361
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Stu Ryman
Copy To:
Purchase Order No.: 2006-12
Project Name: Madison County Landfill
Project Number: 2006.12

Section C Invoice Information:

Attention: Judith Robertson
Company Name: Altamont Environmental
Address:
Pace Quote Reference:
Pace Project Manager: LSP
Pace Profile #:

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

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☑NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID: One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-01-OLD	WT	G			4/4/07	15:14	11.3	4			X	X						13	92821316
2	MW-02-OLD	WT	G			4/4/07	16:06	13.6	4			X	X						13	92822324
3	BG-SPRING-OLD	WT	G			4/4/07	16:50	10.8	4			X	X						13	92822340
4	SW-01-OLD	WT	G			4/4/07	16:25	13.60	4			X	X						13	92822357
5	SW-02-OLD	WT	G			4/4/07	14:46	15.9	4			X	X						13	92822373
6	DW-01-Edwards	WT	G			4/4/07	14:09	16.1	4			X	X						13	92822381
7	DW-02-Edwards	WT	G			4/4/07	14:30	15.6	4			X	X						13	92822399
8																				
9																				
10																				
11																				
12																				

Requested Analysis: RCRA Metals 6020/7470 App. I VOC's 8260 Low Level

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Evan Yurkovich / Altamont	4/4/07	17:25	[signature]	4/4	1725	2.4

SAMPLE CONDITION: Temp in °C; Received on Ice Y/N; Custody Sealed Cooler Y/N; Samples Intact Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Evan Yurkovich

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 4/4/07

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31Mar05

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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: of 0971924

Section A
Required Client Information:

Company: Altamont Environmental
Address: 50 College St.
Asheville NC 28801
Email To: jhazinski@altamontenvironmental.com
Phone: 828-281-3350 Fax: 828-281-3351
Requested Due Date/TAT: Standard

Section B
Required Project Information:

Report To: Stu Ryman
Copy To:
Purchase Order No.:
Project Name: Madison Co. Landfill
Project Number: 2006.17

Section C
Invoice Information:

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

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☒NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis: Metals/Zinc, Zinc low level	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-01	WT	G			4-5-07	12:57	11.0	4			X	X					1	3	92822398 1
2	MW-02	WT	G			4-5-07	14:48	10.0	4			X	X					1	3	92822400 5
3	MW-03	WT	G			4-5-07	8:45	12.8	4			X	X					1	3	92822402 1
4	MW-04	WT	G			4-5-07	9:54	13.6	4			X	X					1	3	92822403 9
5	MW-05	WT	G			4-5-07	11:55	12.5	4			X	X					1	3	92822404 7
6	MW-7R	WT	G			4-5-07	14:09	14.1	4			X	X					1	3	92822406 2
7	MW-08	WT	G			4-5-07	13:39	13.5	4			X	X					1	3	92822407 0
8	MW-09	WT	G			4-5-07	12:25	11.8	4			X	X					1	3	92822410 4
9	SW-01	WT	G			4-5-07	15:08	11.4	4			X	X					1	3	92822411 2
10	SW-02	WT	G			4-5-07	13:12	15.3	4			X	X					1	3	92822412 0
11	LP-1	WT	G			4-5-07	10:12	11.3	4			X	X					1	3	92822413 8
12	TRIP BLANK LAB																			92822415 3

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jon Hazinski	4-5-07	16:32	[signature]	4/5/07	16:32

SAMPLE CONDITION	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	4.8	Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Hazinski

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 4-5-07

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31Mar05

Summary of Kruskal-Wallis Statistical Analyses for Metals
Madison County Operating Landfill
Madison County, North Carolina

April 5, 2007

Compound	Result	Significantly Greater than the Background Well
Arsenic	**Significant Deviation**	MW-7R
Barium	**Significant Deviation**	MW-01, MW-02, MW-03, MW-05, MW-7R, & MW-08
Beryllium	**Significant Deviation**	MW-7R
Cadmium	**No Significant Deviation**	
Chromium	**Significant Deviation**	MW-05, MW-7R
Cobalt	**Significant Deviation**	MW-02, MW-03, MW-05, MW-7R, & MW-08
Copper	**Significant Deviation**	MW-05, MW-7R & MW-08
Lead	**Significant Deviation**	none
Mercury	**No Significant Deviation**	
Nickel	**Significant Deviation**	MW-05
Vanadium	**Significant Deviation**	MW-05, MW-7R, & MW-08
Zinc	**Significant Deviation**	MW-03, MW-05, MW-7R, & MW-08

Notes:

1. MW-6 is the background well at the Madison County Operating Landfill.
2. Significant deviation means that there is a significant evidence of contamination in the group of wells.
3. "none" means there is not significant evidence of contamination at any of the monitoring wells.

BLE INC.

BURNELL-LAMMONS ENGINEERING, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

BORING NO. MW-9

PROJECT: Madison County C&D Landfill PROJECT NO.: J06-2225-08
CLIENT: McGill Associates DATE START: 10-13-06 END: 10-13-06
LOCATION: Madison County, North Carolina ELEVATION: 1,946.69
DRILLER: Landprobe, G. Alverson LOGGED BY: R. Mayer
DRILLING METHOD: Geoprobe 6620DT with 4-1/4 inch hollow stem auger
DEPTH TO - WATER> INITIAL: ▽ 6.25 AFTER 5 DAYS: ▼ 5.12 CAVING>

ELEVATION/ DEPTH (FT)	DESCRIPTION	SOIL TYPE	MONITOR WELL INSTALLATION DETAILS
1945 – 2, 4	Tannish-brown, moist to wet, slightly fine to medium sandy, silty CLAY - (alluvium)		Neat cement, 0 to 6 feet
1940 – 6, 8	Light gray, wet, slightly micaceous, fine sandy, silty CLAY with quartz gravel		Bentonite seal, 6 to 9.5 feet
1935 – 10, 12	Gray and brown, wet, fine to medium sandy, clayey SILT - (residuum)		Filter pack, NSF #2 sand 9.5 to 22.65 feet
1930 – 14, 16	Dark gray and black, wet, slightly micaceous, clayey, silty, fine to medium SAND		
18, 20	Gray and brown, wet, fine to medium sandy, clayey SILT		2-inch diameter, 0.010-inch slotted Schedule 40 PVC well screen, 12.40 to 22.40 feet
1925 – 22	PARTIALLY WEATHERED ROCK which sampled as dark gray, wet, slightly micaceous, slightly clayey, silty, fine to coarse SAND with gravel (biotite-quartz gneiss)		Pipe cap
24	Auger refusal at 22.65 feet. Ground water encountered at 6.25 feet at time of drilling and at 5.12 feet after 5 days.		Total well depth, 22.65 feet
1920 – 26, 28, 30			SURFACE COMPLETION 2.75-foot stick-up with 4" x 4" stand-up locking steel protective cover with a 3' x 3' concrete pad with survey pin at the base 1/4-inch weep and vent holes installed in steel cover and well casing, respectively
1915 – 32, 34			Ground surface elev. = 1,946.69 feet Top of PVC casing elev. = 1,949.43 feet Northing = 769,705.96' Easting = 897,314.24'
1910 – 36, 38			

GEOT_WELLNBWD 2225-08.GPJ 11/21/06

BORING NO. MW-9
Sheet 1 of 1

WELL ABANDONMENT RECORD

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

WELL CONTRACTOR CERTIFICATION # 2858

1. WELL CONTRACTOR:

Kevin Thomas
Well Contractor (Individual) Name

Bunnell-Lammons Engineering
Well Contractor Company Name

STREET ADDRESS 6004 Ponders Ct.

Greenville SC 29615
City or Town State Zip Code

(864) - 288-1265
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable)

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Circle applicable use): Monitoring (Residential) Municipal/Public Industrial/Commercial Agricultural Recovery Injection Irrigation

Other (list use)

3. WELL LOCATION:

COUNTY Madison QUADRANGLE NAME Marshall, NC

NEAREST TOWN: Marshall, NC

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

TOPOGRAPHIC / LAND SETTING:
Slope Valley Flat (Ridge) Other
(Circle appropriate setting)

LATITUDE 35° 48' 29"

LONGITUDE 82° 43' 00"

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: (GPS) Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

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

FACILITY ID #(if applicable)

NAME OF FACILITY Madison County Landfill

STREET ADDRESS 271 Craig Ruddil Road

Marshall, NC 28753
City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME Madison County Landfill

STREET ADDRESS 271 Craig Ruddil Road

Marshall NC 28753
City or Town State Zip Code

(828) - 649-2311
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 565 ft. Diameter: 6 in.

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

Measuring point is 0 ft. above land surface.

6. CASING:

	Length	Diameter
a. Casing Depth (if known):	20 ft.	6 in.
b. Casing Removed:	____ ft.	____ in.

7. DISINFECTION: None

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement 515 lb.
Water 32 gal.

Sand Cement
Cement ____ lb.
Water ____ gal.

Bentonite
Bentonite 25 lb.
Type: Slurry ___ Pellets X
Water ____ gal.

5% bentonite-cement in upper 20 ft

Other
Type material Gravel
Amount 5.5 Tons

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Gravel was backfilled to approximately 20 feet below ground surface. The resultant borehole was tremie grouted to the ground surface with a 5% bentonite-cement grout

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

11. DATE WELL ABANDONED 10-13-2006

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

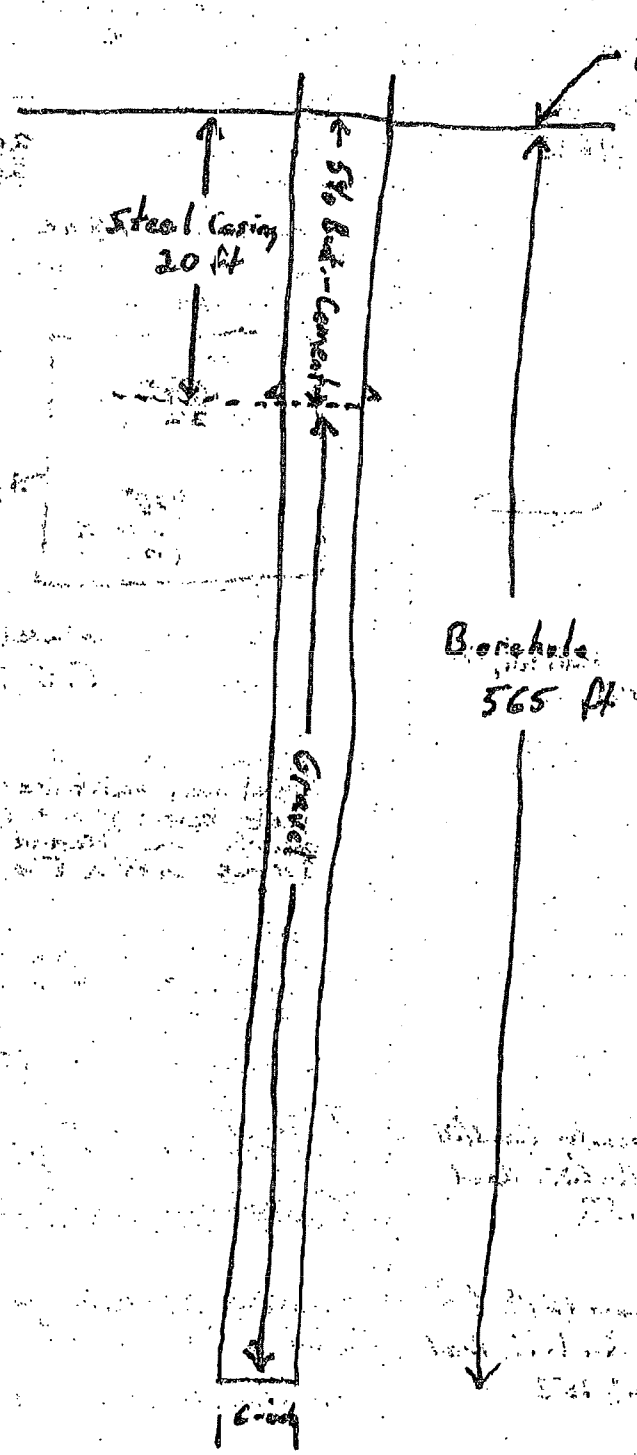
Kevin Thomas 10-20-2006
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

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

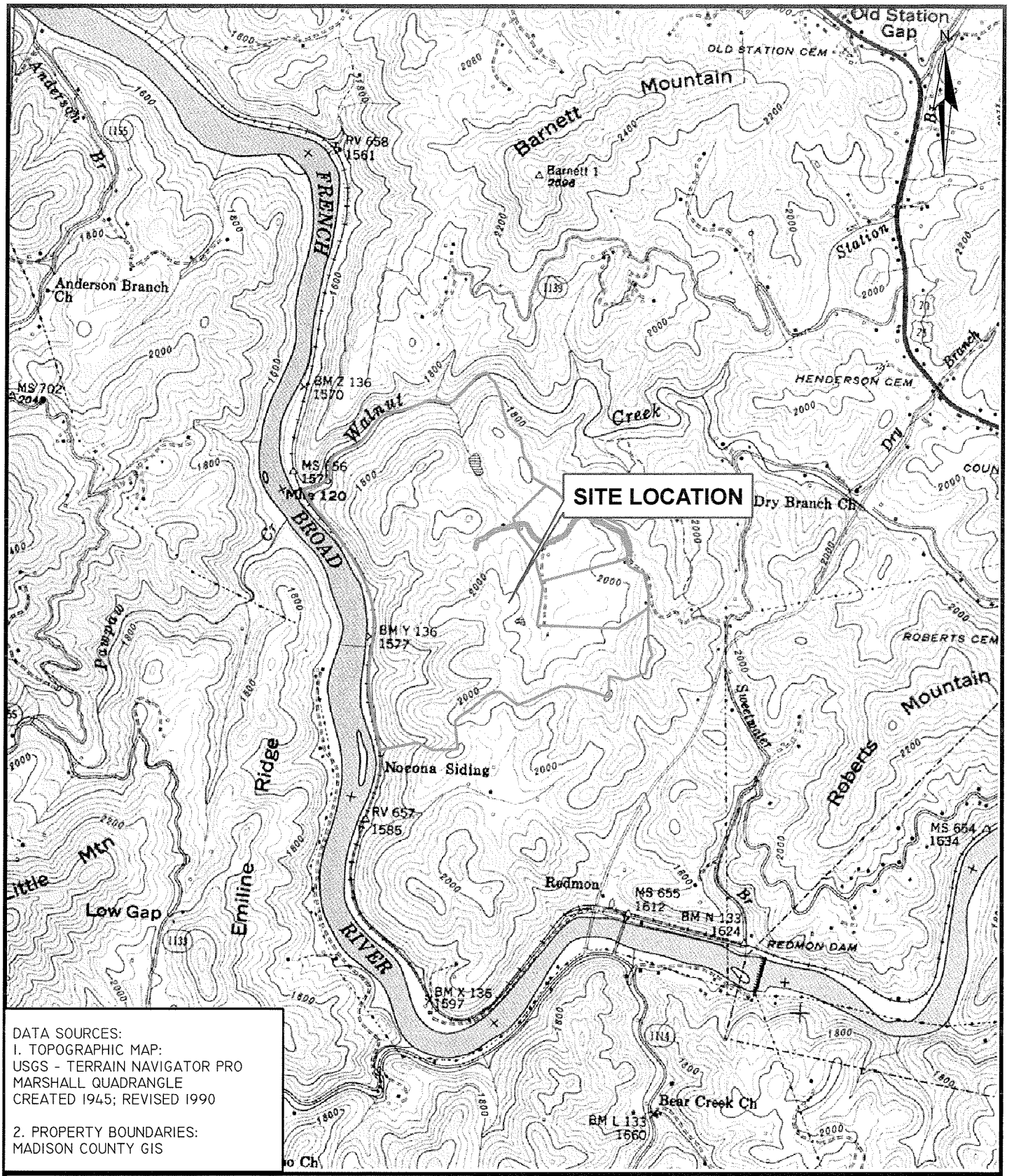
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center – Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06



Back of Abandonment Record



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

2. PROPERTY BOUNDARIES:
MADISON COUNTY GIS

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

SITE LOCATION MAP
MADISON COUNTY OPERATING LANDFILL

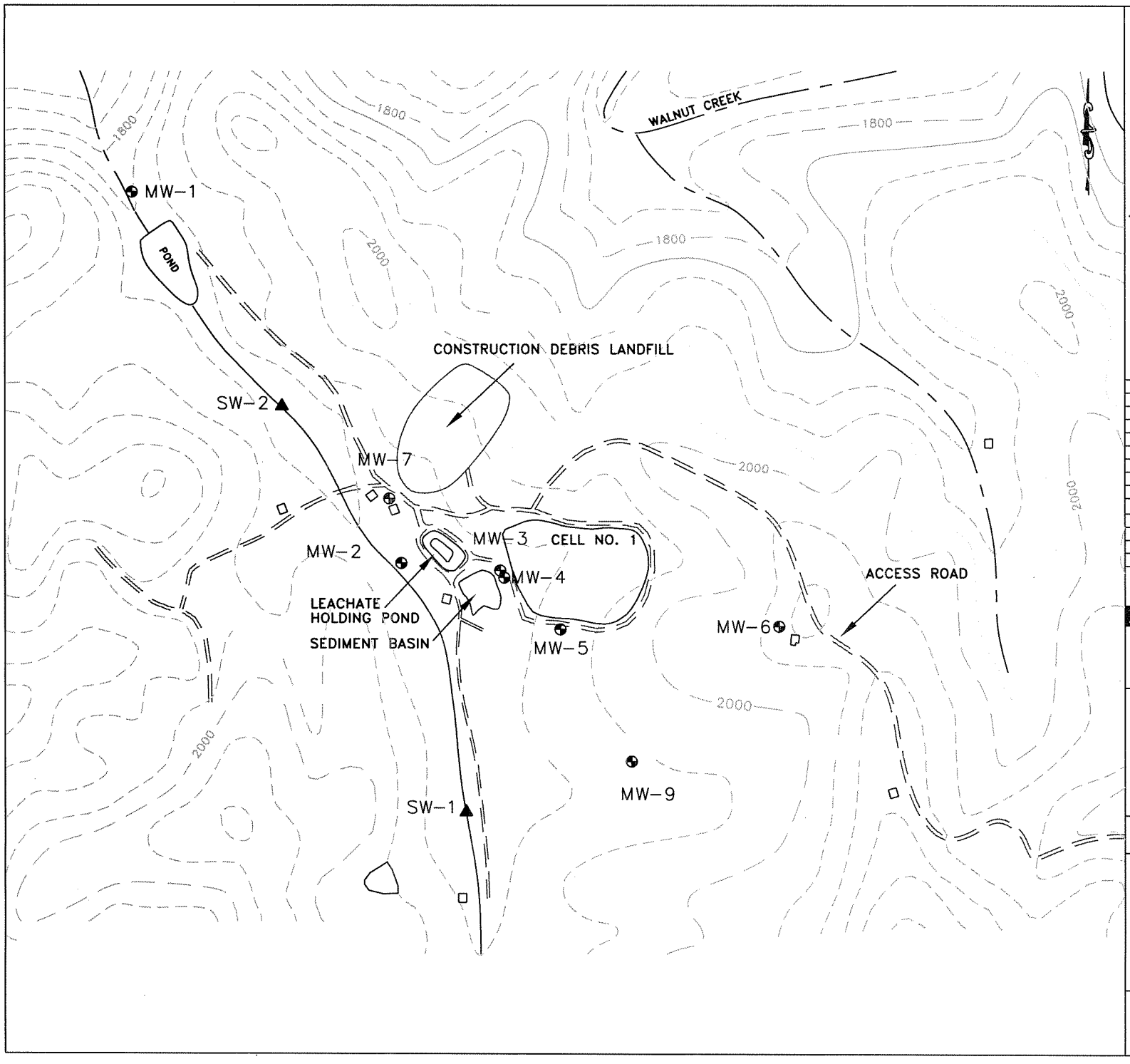
MADISON COUNTY, NORTH CAROLINA

FIGURE 1

DRAWN BY: JENNIFER HILL-VERDE
PROJECT MANAGER: JIM McELDUFF
CLIENT: MADISON COUNTY
DATE: 5/10/2007

SCALE
0 500 1,000 2,000 Feet

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



LEGEND:

- MONITORING WELL LOCATION
- SURFACE WATER SAMPLING LOCATION
- GENERALIZED GROUNDWATER FLOW DIRECTION

GRAPHIC SCALE (FEET)

250 0 250 500

REV.	DATE	DESCRIPTION	BY	CHK	APV
3	05-14-07	UPDATE	JHV	SAR	
2	05-13-02	UPDATE	SEK	JSM	
1	11-12-01	ORIGINAL	JMC	JPM	

DRAWN BY: JHV | DATE: 5-14-07
PROJECT NUMBER: 2094.01
DIRECTORY: P:\MADISON COUNTY\FIGURES\FIGURE 2 2007
CADD FILENAME: SITE DIAGRAM

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

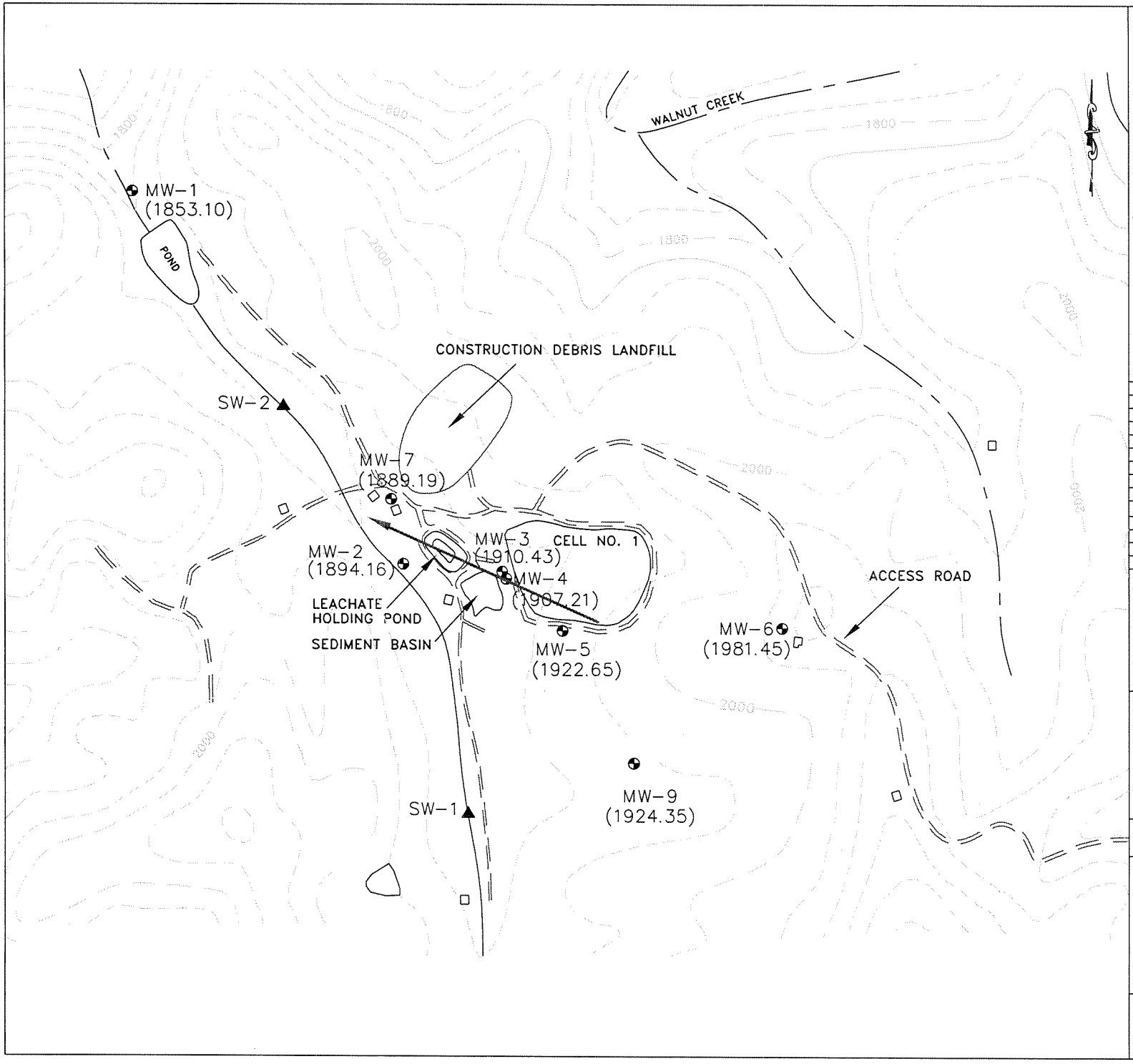
SAMPLE LOCATIONS

APRIL 5, 2007

MADISON COUNTY
OPERATING LANDFILL
MADISON COUNTY, NORTH CAROLINA

DRAWING NUMBER

FIGURE 2



NOTES:

1. GROUNDWATER FLOW DIRECTION BASED ON GROUNDWATER ELEVATIONS IN MW-3, MW-5, MW-7R, AND MW-9 (WATER TABLE WELLS).
2. GROUNDWATER ELEVATIONS MEASURED ON APRIL 5, 2007.

LEGEND:

- MONITORING WELL LOCATION
- SURFACE WATER SAMPLING LOCATION
- GENERALIZED GROUNDWATER FLOW DIRECTION

GRAPHIC SCALE (FEET)

250 0 250 500

REV.	DATE	DESCRIPTION	BY	CHK	APV
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DRAWN BY: JHV | DATE: 5-14-07
PROJECT NUMBER: 2094.01
DIRECTORY: P:\MADISON COUNTY\FIGURES\FIGURE 3 2007
CADD FILENAME: SITE DIAGRAM

GENERALIZED GROUNDWATER
FLOW DIRECTION
APRIL 5, 2007

MADISON COUNTY
OPERATING LANDFILL
MADISON COUNTY, NORTH CAROLINA

DRAWING NUMBER

FIGURE 3