

Prepared for:

**Wilkes County Department of Solid Waste
9219 Elkin Highway
Roaring River, North Carolina 28669**

JEI Project No. 356.1001.11, Task No. 04



SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2011

**ROARING RIVER LANDFILL
WILKES COUNTY, NORTH CAROLINA
PERMIT NO. 97-04**

March 2011

Prepared by:



**2211 West Meadowview Road, Suite 101
Greensboro, North Carolina 27407
Phone: (336) 323-0092
Fax: (336) 323-0093**

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Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Joyce Engineering, Inc.

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

Name: Jeremy J. Kerly

Phone: (336) 323-0092

E-mail: jkerly@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Roaring River Landfill Wilkes County	NC Highway 268 East Roaring River, NC 28669	97-04	.1600	November 2, 2010

Environmental Status: (Check all that apply)

- Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

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

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.

Jeremy J. Kerly (Joyce Engineering, Inc.)

Senior Project Consultant

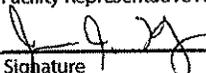
(336) 323-0092

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Signature 

Date

3-2-11

2211 West Meadowview Rd. Suite 101, Greensboro, NC 27407

Facility Representative Address

C-0782

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

Revised 6/2009



**Second Semiannual Groundwater Monitoring Report of 2010
Roaring River Landfill
Wilkes County, North Carolina**

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Figure No. 1	Site Location Map
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Drawing

Drawing No. 1	Groundwater Surface Contour Map, November 1, 2010
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Appendix 1	Statistical Analyses Worksheets
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1.0 INTRODUCTION

1.1 Site Information

The Wilkes County Roaring River Landfill is owned and operated by Wilkes County under Permit No. 97-04. The landfill property is located near the town of Roaring River, North Carolina. The site is located on a group of knolls rising over 150 feet above the floodplain of the Yadkin River. The property boundary and disposal area are indicated on an enlarged portion of the USGS 7 ½ minute topographic map for Ronda, North Carolina (Figure No. 1). The landfill facility boundary includes most of the area between the disposal cells and the Yadkin River.

The approximately 145-acre site was originally investigated for suitability as a solid waste management facility in 1989 by Westinghouse Environmental and Geotechnical Services, Inc. (Westinghouse). Additional site characterization work was performed at the site in 1990 and 1991 by Municipal Engineering Services, P.A., during preparation of the Construction Plan Application for the Phase 1 cell, in accordance with expected revisions to the North Carolina Solid Waste Management Rules (NCSWMR), in response to Subtitle D regulations. Further site characterization work was performed in 1994, as part of the Transition Plan for the facility.

Wilkes County submitted a Design Hydrogeologic Report in 1991 to North Carolina Department of Environment and Natural Resources (NCDENR) and the facility began accepting waste in the Subtitle D lined Phase 1 in 1993. This cell, which occupies approximately 11.7 acres of the facility, reached final capacity in 1999. A site investigation and Design Hydrogeologic Report for the 7.3 acre Phase 2 was completed in December 1998. The Phase 2 disposal area reached final capacity in July 2006. A Design Hydrogeologic Report for the 6.6 acre Phase 3 was completed in May 2004 and construction was completed January 2006. Phase 4 of the waste disposal unit will be a vertical expansion of the Phase 3 area, as agreed upon in a December 10, 2002, site meeting with Sherri Coghill of the NCDENR. A leachate lagoon is located southwest of the approximately 12-acre lined area.

1.2 Site Geology

The site is located at the boundary of the Inner Piedmont Belt and Blue Ridge Belt in the Brevard Fault Zone. In the vicinity of the site, the Brevard Zone is a five-mile wide, east-northeast trending fault zone with a complex structural and metamorphic history. Finely interlayered gneiss and schist within the zone are amphibolite facies, with peak metamorphism as high as the kyanite zone for pelitic assemblages. Typically, the more highly-strained and faulted parts of the zone have experienced retrograde metamorphism to greenschist facies. Rocks in the Brevard Zone have undergone various degrees of both ductile and brittle deformation. Espenshade and others mapped four continuous faults that either bound the zone or separate rock units consistently over long distances. These faults contain both mylonitic and cataclastic rock, and exhibit the greatest degree of retrograde metamorphism. Two of these faults cross on or near the site. Bedrock at the site and in the Brevard Zone generally is more highly fractured than rock typical of most Piedmont and Mountain sites.

1.3 Regulatory Status

The Roaring River Landfill completes groundwater monitoring in accordance with the North Carolina Solid Waste Management Regulations (NCSWMR) § (Detection Monitoring Program). The facility currently monitors groundwater for the NC Appendix I constituents and leachate for parameters listed under Section 2.2 Leachate Monitoring Program. Statistical analyses of the laboratory data has been prepared in accordance with the required compliance demonstration Rule .1632(g), (h), and (i) of the NCSWMR.

2.0 FACILITY MONITORING PROGRAM

2.1 Groundwater Monitoring Program

Eleven active groundwater monitoring wells comprise the monitoring network at the Roaring River Landfill. The current compliance network consists of the following monitoring wells: MW-13 (facility background well), MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12S, MW-12D, MW-17, and MW-18.

Monitoring Well	Date Installed	Classification	Monitoring Program	Total Depth from TOC (ft)	Lithology of Screened Interval
MW-2	1/03/91	Abandoned	-	81.50	Saprolite
MW-2R	4/08/02	Abandoned	-	116.00	Bedrock
MW-5	8/12/93	Compliance	Detection	38.11	Saprolite
MW-6	8/13/93	Compliance	Detection	37.60	Saprolite
MW-7	8/11/93	Compliance	Detection	41.77	Saprolite
MW-8	8/11/93	Compliance	Detection	58.50	Bedrock
MW-9	8/12/93	Compliance	Detection	37.57	Saprolite
MW-10	9/02/98	Compliance	Detection	76.75	Bedrock
MW-11S	9/03/98	Abandoned	-	42.00	Bedrock
MW-11D	9/03/98	Abandoned	-	100.00	Bedrock
MW-12S	3/07/00	Compliance	Detection	104.00	Partially Weathered Rock
MW-12D	3/07/00	Compliance	Detection	134.00	Partially Weathered Rock
MW-13	2/05/01	Background	Detection	84.00	Partially Weathered Rock
MW-17	8/26/03	Compliance	Detection	24.63	Saprolite
MW-18	8/26/03	Compliance	Detection	46.85	Saprolite

Monitoring well MW-13 is the current upgradient background monitoring well for the facility. This well replaced former background monitoring well MW-2R which was abandoned on September 13, 2010 due to the area it was located in being designated for borrow material. Well MW-13 was sampled for the first time during the November 2010 groundwater event. Monitoring well MW-2R had previously replaced the former site background monitoring well MW-2. Well MW-2 was abandoned due to the fact that it had been dry for several events, as requested in correspondence from the Section, dated December 13, 2001. Well MW-2R was sampled for the first time on April 23, 2002, just after the first semiannual event. Monitoring wells MW-5, -6, -7, -8, -9, and -10 are monitored to detect potential releases from Cell 1. Monitoring wells MW-12S and -12D were installed in March 2000 to be incorporated into the monitoring network to effectively monitor Cell 2, while monitoring wells MW-11S and MW-11D were abandoned for Phase 2 construction. Wells MW-17 and MW-18 were installed during

the Design Hydrogeologic Investigation for Phases 3 and 4 and were incorporated into the facility network after the June 2006 approval of the revised Groundwater Monitoring Plan.

2.2 Leachate Monitoring Program

One leachate monitoring point is sampled on a semiannual basis at the Roaring River Landfill and the laboratory results are included. The following constituents are required for laboratory leachate analysis:

- North Carolina Appendix I Metals (plus Manganese, Molybdenum, and Mercury)
- North Carolina Appendix I 8260 Volatiles
- Biochemical Oxygen Demand
- Oil & Grease
- Cyanide
- Total Suspended Solids

3.0 SECOND SEMIANNUAL SAMPLING EVENT OF 2010

3.1 Field Work

On November 1-2, 2010 Research and Analytical Laboratories, Inc. (RAL) personnel visited Roaring River Landfill to purge and sample monitoring wells MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12S, MW-12D, MW-13, MW-17 and MW-18. Monitoring wells MW-5, MW-8, MW-10, and MW-12S were either dry, the bailer was unable to reach the water column, or there was not enough groundwater to purge and sample.

Monitoring wells were purged and sampled using bailers. Measurements of temperature, pH, and specific conductivity were recorded in a field log. Turbidity information was based on visual observation. Prior to sampling, laboratory-supplied containers were prepared with the following information:

- Monitoring well number (completed by laboratory/field personnel),
- Date and time of sample collection (completed by laboratory/field personnel),
- Initials of sampling personnel (completed by laboratory/field personnel),
- Project name and number (completed by the laboratory/field personnel),
- Chemical preservative (completed by the laboratory/field personnel); and
- Requested chemical analysis (completed by the laboratory/field personnel).

Groundwater samples from each monitoring well were collected directly from the bailers in the provided laboratory containers either immediately after purging or within 24 hours of the final purge volume. Immediately after collection, the samples were placed in a laboratory provided cooler and chilled on ice. A field log is provided in Appendix 2.

Leachate samples were collected from the leachate lagoon. Prepared sampling containers were filled, placed in a cooler, and chilled on ice. At the time of sampling, leachate was measured for temperature, pH, and specific conductivity.

3.2 Laboratory Analysis and JEI Quality Control

The November 2010 groundwater and leachate samples were analyzed by Research and Analytical Laboratories, Inc. of Kernersville, North Carolina under chain-of-custody control for analysis. As presented earlier, the groundwater was analyzed for NC Appendix I constituents. The leachate was analyzed for NC Appendix I constituents, as well as mercury, manganese, molybdenum, Biochemical Oxygen Demand (BOD), oil & grease, cyanide, and Total Suspended Solids (TSS). The samples were received by the laboratory on November 2, 2010, in good condition, properly preserved, and within the hold times for each analytical method.

In addition to samples collected for compliance monitoring at the Roaring River Landfill, a Field Blank was collected by RAL personnel as part of the November 2010 sampling event. Also, a Travel Blank that was prepared by the laboratory accompanied the volatile sampling containers to and from the laboratory. The Field and Travel Blanks were analyzed for the NC Appendix I listed metals and volatile organic compounds.

Upon receipt of the laboratory data package, the data was reviewed by JEI personnel for the following:

- General typographical errors,
- Correct analyses performed and within method specified hold times,
- Biased data results based on Matrix Spike, Matrix Spike Duplicate, and Laboratory Control Samples,
- Blank qualified data (B-flags),
- Detections above the NC 2L Groundwater Standards or Groundwater Water Protection Standards (GWPS); and
- Detections that are above historical levels.

4.0 HYDROGEOLOGICAL CONDITIONS

Surface water at the site flows to the south-southwest in three site drainages to the Yadkin River, which border the southeastern facility boundary. Regional groundwater flow in the vicinity of the facility is also generally to the south-southwest and discharges to the Yadkin River. Groundwater beneath the site flows in two interconnected aquifers, a surficial aquifer and a fractured bedrock aquifer. Most of the groundwater flowing in these aquifers discharges either to the alluvial sediment of the Yadkin River floodplain, or to the lowermost reaches of the three site surface drainages before reaching the river.

Depth to groundwater was measured in the compliance monitoring wells at the site prior to sampling. The groundwater elevations were calculated relative to the surveyed measuring point (top of casing) for each monitoring well. The historical groundwater elevations are summarized in Table 1. The groundwater elevation contours shown on Drawing No. 1 are based on data from the November 2010 sampling event.

Estimated horizontal groundwater gradients from the November 2010 groundwater levels are presented in Table 2. The average horizontal gradient is approximately 0.073 ft/ft.

Hydraulic conductivities (K) were based on slug test values from the *Design Hydrogeologic Report* submitted in April 2004. An effective porosity of 16% was used to estimate average linear groundwater flow velocities. Linear groundwater flow velocities for wells screened in saprolite were computed using the following modified Darcy equation:

$$V = Ki/n_e$$

where V = average linear velocity (feet per day), K = hydraulic conductivity (ft/day),
i = horizontal hydraulic gradient, and n_e = effective porosity.

Based on calculations from the most recent sampling event, the average estimated linear groundwater flow velocity for the site is approximately 0.25 ft/day (Table 2). This falls within the range of historical estimates for groundwater flow velocities at this site. The linear velocity equation and resulting rates make the simplified assumptions of a homogeneous and isotropic aquifer. This equation can over-estimate velocities when applied to heterogeneous and/or anisotropic conditions such as are believed to exist at this site. The regolith and fractured bedrock common in Piedmont terrain are characteristically heterogeneous. Site boring logs record that regolith sampled at the site commonly exhibits relict foliation. These structures can result in locally anisotropic groundwater flow directions. Although the regolith and bedrock are hydraulically connected, the effective porosity generally decreases with depth into the underlying fractured bedrock.

5.0 DATA ANALYSIS AND STATISTICAL RESULTS

Results from the November 2010 sampling were received by Joyce Engineering, Inc. (JEI) from RAL on January 5, 2011 and are found in Appendix 2. There were no statistically significant increases of organic or inorganic constituents detected during the sampling events.

Statistical comparisons of baseline monitoring data to compliance data are part of the required compliance demonstration (Rule .1632(g), (h), and (i)). Background data and statistical methods used to evaluate the data from the Subtitle D Landfill are discussed below.

5.1 Statistical Methods

The background data for inorganic constituents were evaluated using the Shapiro-Wilk Test, Parametric Prediction Limits, Parametric Tolerance Intervals, Aitchison's Adjustment, Non-Parametric Prediction Limits, and Poisson Prediction Limits as appropriate. Background

data, tests for normality, outliers, Aitchison's adjustment, tolerance interval, or prediction limits are used, as appropriate based on the background data. The statistical test by which downgradient data are compared to facility background data is based upon the nature of the data and the number of data values that are less than the laboratory limit of detection. All statistical tests are evaluated at the 0.05 level of significance, 95% confidence level, and are conducted as one-tailed tests. Detailed results of each statistical analysis are presented in Appendix 1.

5.2 Statistical Results

Statistical background values were calculated using data from historical semiannual sampling events at the facility through this event. A summary of the November 2010 statistical background calculations are provided below in the following table. Detailed results of statistical analyses can be found in Appendix 1. Monitoring well MW-13 is designated as the background well for the facility. All available data from previous background well MW-2 and data from replacement well MW-2R have been included in the background data pool for the facility. Background data has also been included from MW-17 and MW-18 into the data pool beginning with the April 2004 sampling event and ending with the October 2005 sampling event.

Constituent	Data Distribution	Statistical Method used to Establish Background	Background Concentration	Noted Increased
<i>Barium</i>	N/A	Non-Parametric Prediction Interval	850	None
<i>Zinc</i>	N/A	Non-Parametric Prediction Interval	995	None

1. Concentrations are in micrograms per liter ($\mu\text{g/L}$)
2. N/A = Not Applicable

Background concentrations for inorganic constituents were determined using statistical procedures as discussed in **Section 5.1**. There were no statistically significant increases above background levels in any downgradient monitoring wells.

5.3 Analytical Results for Groundwater and Comparison to Standards

The following inorganic and organic constituents were detected in groundwater during the November 2010 sampling event. All concentrations are reported in micrograms per liter ($\mu\text{g/L}$). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination. Data in parenthesis are duplicate samples from MW-12D.

Constituent	NC 2L /GWPS*	Background	Downgradient						Blanks
		MW-13	MW-6	MW-7	MW-9	MW-12D	MW-17	MW-18	
<i>Antimony</i>	1*	ND	ND	ND	ND	1.9 J (1.8 J)	ND	ND	ND
<i>Barium</i>	700	5.7 B	113	407	72.1 B	10.2 B (6.8 B)	44.2 B	36.0 B	15.7 J
<i>Beryllium</i>	4*	0.3 J	0.4 J	0.2 J	0.6 J	ND (ND)	0.5 J	0.5 J	ND
<i>Cadmium</i>	2	0.2 J	0.4 J	0.5 J	0.3 J	ND (0.5 J)	0.2 J	0.3 J	ND
<i>Chromium</i>	10	ND	2.8 J	9.6 J	1.7 J	0.8 J (1.6 J)	0.9 J	ND	ND
<i>Cobalt</i>	1*	ND	3.3 J	1.3 J	4.2 J	ND (ND)	ND	1.2 J	ND
<i>Copper</i>	1,000	ND	ND	ND	ND	9.3 J (3.0 J)	ND	ND	ND
<i>Lead</i>	15	ND	2.5 J	ND	ND	ND (ND)	ND	ND	ND

Table continues on next page

Constituent	NC 2L /GWPS*	Background	Downgradient						Blanks
		MW-13	MW-6	MW-7	MW-9	MW-12D	MW-17	MW-18	
<i>Nickel</i>	100	2.3 J	3.1 J	3.4 J	5.4 J	ND (1.3 J)	1.6 J	1.7 J	ND
<i>Silver</i>	20	ND	ND	ND	1.8 J	ND (ND)	2.4 J	ND	ND
<i>Thallium</i>	0.2*	ND	ND	3.0 J	3.5 J	ND (ND)	ND	ND	ND
<i>Vanadium</i>	0.3*	2.5 J	3.6 J	ND	2.0 J	9.8 J (8.8 J)	0.6 J	ND	ND
<i>Zinc</i>	1,000	23.3 B	22.0 B	42.4 B	41.9 B	7.0 B (8.3 B)	23.3 B	15.0 B	15.4

1. ND = Not detected above laboratory detection limits.
2. Parentheses indicate duplicate data.

There were no exceedences during the November 2010 groundwater event in any of the monitoring wells. In general, the results are consistent with historical data. Historical groundwater data can be found in Table 3 and field parameters can be found in Table 4. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records, are included in the Appendix 2.

5.4 Analytical Results for Leachate

The following inorganic and organic constituents were detected in leachate during the November 2010 sampling event. All concentrations are reported in micrograms per liter ($\mu\text{g/L}$). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination.

Constituent	Leachate	Blanks
<i>Barium</i>	55.5 B	15.7 B
<i>Beryllium</i>	0.3 J	ND
<i>Chromium</i>	3.0 J	ND
<i>Cobalt</i>	20.2	ND
<i>Copper</i>	5.7 J	ND
<i>Lead</i>	2.4 J	ND
<i>Manganese</i>	160	NA
<i>Mercury</i>	0.07 J	NA
<i>Molybdenum</i>	245	NA
<i>Nickel</i>	49.4 J	ND
<i>Zinc</i>	43.9 B	15.4
<i>Total Suspended Solids</i>	86000	NA

1. ND = Not detected above laboratory detection limits.
2. NA = Not available.

The analytical results from the November 2010 leachate sampling event at the Roaring River Landfill are summarized in the Table 5. Leachate field parameters can be found in Table 6. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records, are included in Appendix 2.

6.0 CONCLUSION

There were no statistically significant increases or exceedences of groundwater standards in facility monitoring wells. Based on analytical results from the November 2010 sampling event,

Roaring River Landfill will remain in the Detection Monitoring program. The next scheduled semiannual sampling event is scheduled for the second quarter of 2011.

7.0 REFERENCES

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Tables

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TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS

Location	Background			Downgradient									
	MW-2	MW-2R	MW-13	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18
FOC Elevation	1115.00	1118.10	1067.26	996.15	981.01	984.08	984.46	971.89	1024.10	1052.79	1052.89	986.68	1026.49
Well Depth	81.50	116.00	84.00	38.11	37.60	41.77	58.50	37.57	76.75	104.00	134.00	24.63	46.85
Oct-94	1042.13	NI	NI	966.74	949.27	947.37	948.60	943.17	NI	NI	NI	NI	NI
Apr-95	1042.19	NI	NI	966.73	949.01	946.65	948.07	943.08	NI	NI	NI	NI	NI
Oct-95	1041.70	NI	NI	967.05	948.73	946.67	947.85	943.24	NI	NI	NI	NI	NI
Apr-96	1043.10	NI	NI	968.15	950.20	947.21	948.46	943.34	NI	NI	NI	NI	NI
Nov-96	1040.56	NI	NI	967.40	949.28	946.75	947.96	943.36	NI	NI	NI	NI	NI
Mar-97	1041.55	NI	NI	968.14	951.06	947.61	948.99	944.23	NI	NI	NI	NI	NI
Sep-97	1039.38	NI	NI	966.55	948.88	947.07	951.62	943.81	NI	NI	NI	NI	NI
Mar-98	1037.72	NI	NI	969.55	949.61	946.98	948.34	944.19	NI	NI	NI	NI	NI
Sep-98	1042.12	NI	NI	967.92	950.09	947.36	948.57	943.43	956.95	NI	NI	NI	NI
Oct-98	1040.53	NI	NI	967.13	948.76	946.77	947.98	943.37	956.08	NI	NI	NI	NI
Nov-98	1039.10	NI	NI	966.53	947.76	946.33	947.68	943.64	955.13	NI	NI	NI	NI
Dec-98	1038.41	NI	NI	966.20	947.24	946.08	947.35	942.29	954.56	NI	NI	NI	NI
Feb-99	1036.80	NI	NI	968.43	947.79	946.31	947.61	943.77	953.18	NI	NI	NI	NI
Apr-99	Dry	NI	NI	967.89	948.44	946.36	947.61	943.34	952.93	NI	NI	NI	NI
Sep-99	Dry	NI	NI	965.54	946.43	945.33	946.50	942.86	NA	NI	NI	NI	NI
Apr-00	Dry	NI	NI	965.71	945.72	945.34	947.85	943.31	951.29	958.39	958.38	NI	NI
Sep-00	Dry	NI	NI	964.15	945.49	945.20	946.52	943.43	949.79	956.37	956.58	NI	NI
Mar-01	Dry	NI	NM	964.30	944.87	944.86	946.21	943.49	948.39	954.38	954.56	NI	NI
Oct-01	Dry	NI	1011.26	960.32	944.79	944.15	945.46	943.49	947.56	954.05	953.23	NI	NI
Apr-02	Dry	1018.99	1007.27	961.64	946.59	944.28	945.71	943.38	947.40	952.78	949.37	NI	NI
Nov-02	AB	1032.21	1010.05	961.81	946.92	943.07	946.25	943.90	947.40	949.98	946.52	NI	NI
May-03	AB	1037.34	1008.78	964.50	951.47	946.87	948.19	944.07	947.43	951.89	944.49	NI	NI
Nov-03	AB	1041.84	NM	962.60	950.27	946.77	948.05	943.42	948.66	955.89	954.78	NS	NS
Apr-04	AB	1041.41	NM	963.52	948.59	946.70	947.51	943.88	948.54	954.92	954.11	967.57	995.90
Oct-04	AB	1041.53	NM	962.11	947.33	945.43	945.76	943.68	950.62	954.06	954.41	967.30	995.49
May-05	AB	1041.82	NM	963.19	949.53	946.57	946.85	943.96	948.89	954.14	954.73	967.46	987.81
Oct-05	AB	1042.35	NM	960.87	945.83	945.05	945.27	943.51	948.62	954.36	953.60	967.19	993.87
29-Jun-06	AB	1030.65	NM	958.18	943.61	944.08	944.52	946.31	948.21	952.45	952.55	963.04	991.49
07-Dec-06	AB	1039.79	NM	959.85	Dry	944.43	944.76	943.76	Dry	951.34	951.34	Dry	992.24
28-Jun-07	AB	1040.52	NM	959.61	Dry	944.40	944.82	942.93	947.61	951.35	951.38	966.53	979.73
19-Dec-07	AB	1038.71	NM	958.68	Dry	942.46	942.74	941.34	947.61	949.72	930.89	966.68	979.73
28-Apr-08	AB	1067.25	NM	959.42	Dry	942.67	943.02	941.66	947.42	949.95	949.97	966.79	993.45
30-Dec-08	AB	1037.69	NM	958.27	Dry	942.39	NS	942.20	947.41	950.11	944.41	967.03	990.66
24-Jun-09	AB	1038.56	NM	958.47	946.16	944.79	NS	944.39	947.57	951.65	943.56	962.69	994.60
16-Dec-09	AB	1041.43	NM	960.52	950.67	952.89	NS	944.70	947.37	952.90	940.66	967.30	996.27
22-Jun-10	AB	1045.29	NM	959.14	950.08	946.27	NS	944.20	947.61	955.62	936.47	966.86	995.72
01-Nov-10	AB	AB	1012.67	958.94	947.98	945.57	NS	944.20	947.62	950.81	950.87	966.85	994.96

Notes:

1. Dry = Monitoring well was considered to be dry and no water level measured.
2. AB = Monitoring well was abandoned.
3. NI = Monitoring well was not installed.
4. NS = Monitoring well was not sampled.
5. NA = Not available.

TABLE 2

ESTIMATED HYDRAULIC GRADIENTS AND AVERAGE LINEAR VELOCITIES

GRADIENT CALCULATION SEGMENT	FLOW LINE LENGTH (feet)	FLOW DIRECTION	November 2010				
			GROUNDWATER ELEVATION (feet)	HORIZONTAL GRADIENT <i>i</i> (ft/ft)	HYDRAULIC CONDUCTIVITY <i>K</i> (ft/day)	EFFECTIVE POROSITY <i>n</i>	LINEAR VELOCITY <i>V</i> (ft/day)
<i>i</i> ₁	858	W-SW	1030 970	0.070	5.5E-01	0.16	0.24
<i>i</i> ₂	1345	S-SW	1030 950	0.060	5.5E-01	0.16	0.21
<i>i</i> ₃	993	S-SE	1040 950	0.091	5.5E-01	0.16	0.31
			Average	0.073		Average	0.25

Notes:

1. Linear flow velocities in plain type = Ki/n_e .
2. Effective porosity is based on average specific yields calculated using the Johnson (1967) textural classification triangle from the Design Hydrogeologic Report and Groundwater Monitoring Plan prepared by Joyce Engineering, Inc. in April 2004.
3. Hydraulic conductivity is based on a geomean of individual well slug tests performed for wells at the site.
4. Gradient calculation segments were obtained from Drawing No. 1.

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS

Constituent	Date	Concentration in (µg/L)																Blanks		
		DL	RL	Background			Downgradient													
				MW-2	MW-2R	MW-13	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18				
Antimony GWPS = 1.4 µg/L (10/23/07)	28-Jun-07	1.2	6.0	AB	ND	NM	ND	Dry	ND	ND	ND	ND	Dry	Dry	2.4 B (2.9 B)	ND	Dry	4.5		
	19-Dec-07	1.2	6.0	AB	2.0	J NM	Dry	Dry	Dry	ND	ND (1.2 J)	Dry	Dry	Dry	3.1 J	ND	Dry	ND		
	28-Apr-08	1.2	6.0	AB	ND	NM	ND	Dry	Dry	ND (ND)	ND	Dry	Dry	Dry	1.3	J	ND	ND		
	30-Dec-08	1.2	6.0	AB	ND	NM	Dry	Dry	Dry	NS	ND (ND)	Dry	NS	NS	ND	ND	ND	ND		
	24-Jun-09	1.2	6.0	AB	3.2	B NM	Dry	1.9	B ND	NS	1.6	B Dry	NS	NS	2.4 (4.6 B)	B	Dry	1.6	B	
	16-Dec-09	1.2	6.0	AB	1.8	B NM	NS	ND	ND	NS	3.9 (ND)	B Dry	NS	NS	ND	1.9	B	ND	1.4	J
	22-Jun-10	1.2	6.0	AB	5.0	B NM	NS	1.7	B 13.0	NS	1.0	B Dry	NS	NS	5.6	B	5.6 (3.2 B)	B	1.1	B
	14-Sep-10	2.6	6.0	AB	NS	NM	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02-Nov-10	1.2	6.0	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	Dry	1.9 (1.8 J)	J	ND	ND	ND	
	Resample GWPS = 1 µg/L (8/1/10)	24-Jun-09	5.5	10.0	AB	ND	NM	Dry	ND	ND	NS	ND	Dry	NS	5.6 (ND)	J	Dry	ND	ND	
16-Dec-09		5.5	10.0	AB	ND	NM	NS	ND	ND	NS	ND (ND)	Dry	NS	ND		Dry	ND	ND		
22-Jun-10		5.5	10.0	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	ND		ND (ND)	ND	ND		
02-Nov-10		5.5	10.0	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	ND (ND)		ND (ND)	ND	ND		
Arsenic NC 2L = 50 µg/L (10/23/07) NC 2L = 10 µg/L (1/01/10)	24-Jun-09	5.5	10.0	AB	ND	NM	Dry	ND	ND	NS	ND	Dry	NS	5.6 (ND)	J	Dry	ND	ND		
	16-Dec-09	5.5	10.0	AB	ND	NM	NS	ND	ND	NS	ND (ND)	Dry	NS	ND		Dry	ND	ND		
	22-Jun-10	5.5	10.0	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	ND		ND (ND)	ND	ND		
	02-Nov-10	5.5	10.0	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	ND (ND)		ND (ND)	ND	ND		
	Barium	Apr-94	NR	250	398	NI	NI	ND	444	3480	ND	1600	NI	NI	NI	NI	NI	NI	NA	
		Oct-94	NR	500	850	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NA	
		Apr-95	NR	500	730	NI	NI	ND	ND	701	ND	516	NI	NI	NI	NI	NI	NI	NA	
		Oct-95	NR	500	ND	NI	NI	ND	ND	1630	ND	NI	NI	NI	NI	NI	NI	NI	NA	
		Apr-96	NR	500	ND	NI	NI	ND	ND	1650	ND	ND	NI	NI	NI	NI	NI	NI	NA	
		Nov-96	NR	500	ND	NI	NI	ND	ND	1660	ND	ND	NI	NI	NI	NI	NI	NI	ND	
Mar-97		NR	500	ND	NI	NI	ND	ND	1440	ND	ND	NI	NI	NI	NI	NI	NI	ND		
Sep-97		NR	500	ND	NI	NI	ND	ND	745	ND	ND	NI	NI	NI	NI	NI	NI	ND		
Mar-98		NR	500	508	NI	NI	ND	ND	937	ND	ND	NI	NI	NI	NI	NI	NI	ND		
Sep-98		NR	500	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	ND		
Mar-99		NR	500	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
Sep-99		NR	500	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
Apr-00		NR	500	NS	NI	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND		
Sep-00		NR	500	NS	NI	NI	ND	665	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND		
Mar-01		NR	500	NS	NI	NM	ND	ND	ND	ND	ND	NS	ND (ND)	ND	ND	NI	NI	ND		
Jun-01		NR	500	NS	NI	NM	NS	NS	NS	NS	NS	NS	NS	NS	ND	NI	NI	NA		
Oct-01		NR	500	NS	NI	NM	ND	ND	526	ND	ND	NS	ND	ND	ND	NI	NI	ND		
Apr-02		NR	500	AB	ND	NM	ND	ND	554	ND	ND	NS	NS	NS	ND (ND)	NI	NI	ND		
Nov-02		NR	500	AB	ND	NM	ND	ND	NS	ND	ND	NS	NS	NS	ND	NI	NI	ND		
May-03		NR	500	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
Nov-03		NR	500	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
Apr-04		NR	500	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
May-04		NR	500	AB	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Oct-04		NR	500	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
May-05		NR	500	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
Oct-05		NR	500	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
29-Jun-06		NR	500	AB	ND	NM	Dry	Dry	563	ND	ND	NS	Dry	Dry	ND	ND	ND	649		
07-Dec-06		NR	100	AB	ND	NM	ND	Dry	ND	ND	ND	NS	Dry	Dry	ND	ND	Dry	ND		
28-Jun-07		1.1	100	AB	11.2	B NM	139	Dry	560	9.8	B	58.4	J	Dry	Dry	12.3 B (16.5 B)	118	Dry	5.1	
19-Dec-07		1.1	100	AB	7.6	B NM	Dry	Dry	Dry	9.8	B	60.5 (60.3 B)	B	Dry	Dry	3.0	B	104	B	24.9
28-Apr-08		1.1	100	AB	11.7	B NM	221	Dry	Dry	6.6 (13.5 B)	B	47.5	B	Dry	Dry	7.6	B	90.1	B	204
30-Dec-08		1.1	100	AB	12.9	J NM	Dry	Dry	Dry	NS	NS	430 (448)	Dry	NS	NS	11.2	J	86.5	J	601
24-Jun-09	1.1	100	AB	9.2	B NM	Dry	101	344	NS	NS	154	Dry	NS	NS	9.2 (6.0 B)	B	Dry	56.3	J	
16-Dec-09	1.1	100	AB	7.7	B NM	NS	57.5	J 308	NS	NS	103 (103)	Dry	NS	NS	8.1	B	55.6	J	68.1	
22-Jun-10	1.1	100	AB	4.8	B NM	NS	118	507	NS	NS	62.2	J	Dry	NS	7.8	B	49.7 (55.3 J)	J	55.4	
02-Nov-10	1.1	100	AB	AB	5.7	B	Dry	113	407	NS	72.1	B	Dry	Dry	10.2 (6.8 B)	B	44.2	B	36.0	
Beryllium	Apr-94	NR	5	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	AB		
	Oct-94	NR	2	28	NI	NI	ND	ND	6	ND	4	NI	NI	NI	NI	NI	NI	AB		
	Apr-95	NR	2	6	NI	NI	3	2	2	ND	6	NI	NI	NI	NI	NI	NI	AB		
	Oct-95	NR	2	2	NI	NI	4	2	4	ND	2	NI	NI	NI	NI	NI	NI	AB		
	Apr-96	NR	2	ND	NI	NI	5	3	5	3	3	NI	NI	NI	NI	NI	NI	AB		
	Nov-96	NR	2	4	NI	NI	4	ND	4	ND	3	NI	NI	NI	NI	NI	NI	ND		
	Mar-97	NR	2	ND	NI	NI	3	ND	3	ND	ND	NI	NI	NI	NI	NI	NI	ND		
	Sep-97	NR	2	13	NI	NI	4	ND	4	ND	ND	NI	NI	NI	NI	NI	NI	ND		
	Mar-98	NR	2	8	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	ND		
	Sep-98	NR	2	4	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
	Mar-99	NR	2	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
	Sep-99	NR	2	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
	Apr-00	NR	2	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
	Sep-00	NR	2	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	NI	ND		
	Mar-01	NR	2	NS	NI	NM	ND	NS	ND	ND	ND	NS	ND (ND)	ND	ND	NI	NI	ND		
	Oct-01	NR	2	NS	NI	NM	ND	NS	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
	Apr-02	NR	2	AB	ND	NM	ND	NS	ND	ND	ND	NS	NS	NS	ND (ND)	NI	NI	ND		
	Nov-02	NR	2	AB	ND	NM	ND	NS	NS	NS	NS	NS	NS	NS	ND	NI	NI	ND		
	May-03	NR	2	AB	ND	NM	ND	NS	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
	Nov-03	NR	2	AB	ND	NM	ND	NS	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
	Apr-04	NR	2	AB	ND	NM	ND	NS	ND	ND	ND	NS	NS	NS	ND	NI	NI	ND		
	May-04	NR	2	AB	ND	NM	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-04	NR	2	AB	ND	NM	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	May-05	NR	2	AB	ND	NM	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-05	NR	2	AB	ND	NM	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	29-Jun-06	NR	2	AB	ND	NM	Dry	Dry	ND	ND	ND	NS	Dry	Dry	ND	ND	ND	5		
	07-Dec-06	NR	1	AB	ND	NM	ND	Dry	ND	ND	ND	NS	Dry	Dry	ND	ND	Dry	ND		
	28-Jun-07	0.2	1.0	AB	ND	NM	ND	Dry	ND	ND	ND	NS	Dry	Dry	ND	ND	Dry	ND		
	19-Dec-07	0.2	1.0	AB	ND	NM	Dry	Dry	Dry	ND	0.3 (ND)	J	Dry	Dry	ND	ND	Dry	ND		
	28-Apr-08	0.2																		

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS

Constituent	Date	Concentration in (µg/L)															Blanks						
		DL	RL	Background			Downgradient																
				MW-2	MW-2R	MW-13	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18							
Chromium	Apr-94	NR	20	48	NI	NI	ND	ND	ND	ND	57	NI	NI	NI	NI	NI	NA						
	Oct-94	NR	10	406	NI	NI	ND	ND	25	ND	26	NI	NI	NI	NI	NI	NA						
	Apr-95	NR	10	248	NI	NI	14	10	18	ND	64	NI	NI	NI	NI	NI	NA						
	Oct-95	NR	10	10	NI	NI	22	141	34	ND	34	NI	NI	NI	NI	NI	NA						
	Apr-96	NR	10	160	NI	NI	20	23	32	ND	32	NI	NI	NI	NI	NI	NA						
	Nov-96	NR	10	175	NI	NI	27	17	40	ND	46	NI	NI	NI	NI	NI	ND						
	Mar-97	NR	10	116	NI	NI	10	46	35	11	23	NI	NI	NI	NI	NI	ND						
	Sep-97	NR	10	127	NI	NI	37	ND	14	ND	ND	NI	NI	NI	NI	NI	ND						
	Mar-98	NR	10	40	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND						
	Sep-98	NR	10	42	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Mar-99	NR	10	NS	NI	NI	ND	ND	ND	ND	11	NS	NI	NI	NI	NI	ND						
	Sep-99	NR	10	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Apr-00	NR	10	NS	NI	NI	ND	14	ND	ND	ND	14	23	32 (58)	NI	NI	ND						
	Sep-00	NR	10	NS	NI	NI	ND	15	ND	ND	11	13	19	32 (26)	NI	NI	ND						
	Jun-01	NR	10	NS	NI	NM	NS	NS	NS	NS	NS	NS	NS	15	NI	NI	NA						
	Oct-01	NR	10	NS	NI	NM	ND	NS	ND	ND	ND	NS	16	42	NI	NI	ND						
	Apr-02	NR	10	AB	ND	NM	ND	NS	10	ND	21	NS	NS	14 (14)	NI	NI	ND						
	Nov-02	NR	10	AB	ND	NM	ND	NS	NS	ND	ND	NS	NS	ND	NI	NI	ND						
	May-03	NR	10	AB	ND	NM	13	17	ND	ND	ND	NS	34	ND	NI	NI	ND						
	Nov-03	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	ND						
	Apr-04	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND						
	May-04	NR	10	AB	NS	NM	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS						
	Oct-04	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND						
	May-05	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND						
	Oct-05	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND						
	29-Jun-06	NR	10	AB	ND	NM	Dry	Dry	ND	ND	ND	NS	Dry	ND	ND	ND	23						
	07-Dec-06	NR	10	AB	ND	NM	ND	Dry	ND	ND	ND	Dry	Dry	ND	Dry	ND	ND						
	28-Jun-07	0.70	10.0	AB	1.1	B	NM	2.9	B	Dry	2.7	B	2.9	B	1.3	B	Dry	Dry	3.0 B (3.4 B)	5.0	B	Dry	5.2
	19-Dec-07	0.7	10.0	AB	ND	NM	Dry	Dry	Dry	ND	1.6 (1.8 J)	J	Dry	Dry	0.8	J	2.2	J	Dry	ND	ND	ND	
	28-Apr-08	0.7	10.0	AB	ND	NM	14	Dry	Dry	ND (ND)	1.0	B	Dry	Dry	1.4	B	2.6	B	7.0	B	2.0	J	2.0
	30-Dec-08	0.7	10.0	AB	2.3	J	NM	Dry	Dry	Dry	NS	3.6 (5.4 J)	J	Dry	NS	1.5	J	2.3	J	14.0	ND	ND	
24-Jun-09	0.7	10.0	AB	1.1	J	NM	Dry	1.8	J	1.7	J	NS	0.8	J	Dry	NS	1.9 (0.8 J)	J	Dry	1.3	ND		
16-Dec-09	0.7	10.0	AB	0.9	J	NM	NS	1.6	J	1.5	J	NS	1.8 (1.7 J)	J	Dry	NS	2.1	J	1.6	J	3.4	J	
NC 2L = 10 µg/L (1/01/10)	22-Jun-10	0.7	10.0	AB	ND	NM	NS	2.8	J	ND	J	NS	ND	J	Dry	NS	3.0	J	2.3 (1.5 J)	J	1.5	J	ND
	02-Nov-10	0.7	10.0	AB	AB	ND	Dry	2.8	J	9.6	J	NS	1.7	J	Dry	Dry	0.8 (1.6 J)	J	0.9	J	ND	J	ND
Cobalt	Apr-94	NR	50	68	NI	NI	ND	ND	ND	ND	220	NI	NI	NI	NI	NI	NA						
	Oct-94	NR	10	174	NI	NI	ND	ND	ND	ND	32	NI	NI	NI	NI	NI	NA						
	Apr-95	NR	10	148	NI	NI	ND	ND	ND	ND	78	NI	NI	NI	NI	NI	NA						
	Oct-95	NR	10	ND	NI	NI	20	74	21	ND	53	NI	NI	NI	NI	NI	NA						
	Apr-96	NR	10	78	NI	NI	27	14	20	ND	48	NI	NI	NI	NI	NI	NA						
	Nov-96	NR	10	93	NI	NI	23	11	23	ND	67	NI	NI	NI	NI	NI	ND						
	Mar-97	NR	10	60	NI	NI	ND	24	23	ND	26	NI	NI	NI	NI	NI	ND						
	Sep-97	NR	10	77	NI	NI	24	ND	ND	ND	10	NI	NI	NI	NI	NI	ND						
	Mar-98	NR	10	66	NI	NI	11	ND	11	ND	14	NI	NI	NI	NI	NI	ND						
	Sep-98	NR	10	57	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Mar-99	NR	10	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Sep-99	NR	10	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Apr-00	NR	10	NS	NI	NI	23	14	ND	ND	16	16	61	12 (21)	NI	NI	ND						
	Sep-00	NR	10	NS	NI	NI	21	15	ND	ND	17	12	57	ND (ND)	NI	NI	ND						
	Mar-01	NR	10	NS	NI	NM	14	NS	ND	ND	11	NS	34 (47)	ND	NI	NI	ND						
	Jun-01	NR	10	NS	NI	NM	NS	NS	NS	NS	NS	NS	NS	NS	NI	NI	NA						
	Oct-01	NR	10	NS	NI	NM	ND	NS	ND	ND	ND	NS	49	ND	NI	NI	ND						
	Apr-02	NR	10	AB	ND	NM	ND	NS	ND	ND	12	NS	NS	ND (ND)	NI	NI	ND						
	Nov-02	NR	10	AB	ND	NM	13	NS	NS	ND	ND	NS	NS	ND	NI	NI	ND						
	May-03	NR	10	AB	13	NM	15	16	ND	ND	10	NS	68	ND	NI	NI	ND						
	Nov-03	NR	10	AB	ND	NM	ND	17	ND	ND	ND	NS	20	ND	NS	NS	ND						
	Apr-04	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND						
	May-04	NR	10	AB	NS	NM	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS						
	Oct-04	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND						
	May-05	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND						
	Oct-05	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND						
	29-Jun-06	NR	10	AB	ND	NM	Dry	Dry	ND	ND	ND	NS	Dry	ND	ND	ND	18						
	07-Dec-06	NR	10	AB	ND	NM	ND	Dry	ND	ND	ND	Dry	Dry	Dry	ND	Dry	ND						
	28-Jun-07	0.7	10.0	AB	ND	NM	20.1	Dry	5.0	J	ND	1.3	J	Dry	Dry	1.0 J (1.8 J)	2.7	J	Dry	ND			
	19-Dec-07	0.7	10.0	AB	ND	NM	Dry	Dry	Dry	ND	2.8 (2.8 J)	J	Dry	Dry	ND	1.3	J	Dry	ND				
	28-Apr-08	0.7	10.0	AB	1.0	J	NM	28.9	Dry	Dry	0.9 (ND)	J	1.9	J	Dry	ND	1.6	J	8.3	J	ND		
30-Dec-08	0.7	10.0	AB	2.4	J	NM	Dry	Dry	Dry	NS	4.3 (7.1 J)	J	Dry	NS	ND	2.0	J	16.8	J	ND			
24-Jun-09	0.7	10.0	AB	ND	NM	Dry	2.8	J	1.5	J	NS	2.2	J	Dry	NS	ND (ND)	Dry	1.4	ND				
16-Dec-09	0.7	10.0	AB	2.4	J	NM	NS	1.4	J	1.2	J	NS	4.6 (3.0 J)	J	Dry	NS	ND	2.6	J	ND			
22-Jun-10	0.7	10.0	AB	ND	NM	NS	4.0	J	0.9	J	NS	NS	ND	J	Dry	NS	ND	ND (1.2 J)	2.8	J	ND		
GWPS = 1 µg/L (10/1/10)	02-Nov-10	0.7	10.0	AB	AB	ND	Dry	3.3	J	1.3	J	NS	4.2	J	Dry	Dry	ND (ND)	ND	1.2	J	ND		
Copper	Apr-94	NR	10	85	NI	NI	ND	28	31	ND	80	NI	NI	NI	NI	NI	NA						
	Oct-94	NR	200	282	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NA						
	Apr-95	NR	200	208	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NA						
	Oct-95	NR	200	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NA						
	Apr-96	NR	200	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NA						
	Nov-96	NR	200	225	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND						
	Mar-97	NR	200	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND						
	Sep-97	NR	200	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND						
	Mar-98	NR	200	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND						
	Sep-98	NR	200	ND	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Mar-99	NR	200	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Sep-99	NR	200	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND						
	Apr-00	NR	200	NS	NI	NI	ND	ND	ND	ND	ND	ND	ND	ND (ND)	NI	NI	ND						
	Sep-00	NR	200	NS	NI	NI	ND</																

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS

Constituent	Date	Concentration in (µg/L)																Blanks	
		DL	RL	Background			Downgradient												
				MW-2	MW-2R	MW-13	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18			
Lead NC 2L = 15 µg/L (10/23/07) Resample	Apr-94	NR	5	38	NI	NI	15	34	39	5	116	NI	NI	NI	NI	NI	NA		
	Oct-94	NR	10	106	NI	NI	ND	ND	22	ND	24	NI	NI	NI	NI	NI	NA		
	Apr-95	NR	10	82	NI	NI	14	ND	16	ND	48	NI	NI	NI	NI	NI	NA		
	Oct-95	NR	10	12	NI	NI	28	37	33	ND	30	NI	NI	NI	NI	NI	NA		
	Apr-96	NR	10	38	NI	NI	20	24	32	ND	28	NI	NI	NI	NI	NI	NA		
	Nov-96	NR	10	46	NI	NI	27	15	35	ND	37	NI	NI	NI	NI	NI	ND		
	Mar-97	NR	10	32	NI	NI	ND	45	31	ND	18	NI	NI	NI	NI	NI	ND		
	Sep-97	NR	10	43	NI	NI	37	12	26	ND	16	NI	NI	NI	NI	NI	ND		
	Mar-98	NR	10	67	NI	NI	ND	13	ND	ND	26	NI	NI	NI	NI	NI	ND		
	Sep-98	NR	10	34	NI	NI	ND	11	ND	ND	ND	NS	NI	NI	NI	NI	ND		
	Mar-99	NR	10	NS	NI	NI	ND	ND	ND	ND	ND	NS	NS	NS	NI	NI	ND		
	Apr-00	NR	10	NS	NI	NI	ND	17	ND	ND	ND	ND	24	14 (27)	NI	NI	ND		
	Sep-00	NR	10	NS	NI	NI	ND	27	ND	ND	10	ND	31	11 (7)	NI	NI	ND		
	Mar-01	NR	10	NS	NI	NM	ND	NS	ND	ND	ND	NS	11 (15)	ND	NI	NI	ND		
	Jun-01	NR	10	NS	NI	NM	NS	NS	NS	NS	NS	NS	NS	10	NI	NI	NA		
	Oct-01	NR	10	NS	NI	NM	ND	NS	ND	ND	ND	NS	24	ND	NI	NI	ND		
	Apr-02	NR	10	AB	ND	NM	ND	NS	ND	ND	ND	NS	NS	ND (ND)	NI	NI	ND		
	Nov-02	NR	10	AB	ND	NM	ND	NS	NS	ND	ND	NS	NS	ND	NI	NI	ND		
	May-03	NR	10	AB	ND	NM	ND	20	ND	ND	ND	NS	30	ND	NI	NI	ND		
	Nov-03	NR	10	AB	ND	NM	ND	21	ND	ND	ND	NS	11	ND	NS	NS	ND		
	Apr-04	NR	10	AB	ND	NM	ND	12	ND	ND	ND	NS	ND	ND	10	ND	ND		
	May-04	NR	10	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	Oct-04	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	May-05	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND		
	Oct-05	NR	10	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND		
	29-Jun-06	NR	10	AB	ND	NM	Dry	Dry	ND	ND	ND	NS	Dry	ND	ND	34	ND		
	07-Dec-06	NR	10	AB	ND	NM	ND	Dry	ND	ND	ND	Dry	Dry	ND	ND	ND	ND		
	28-Jun-07	2.0	10.0	AB	ND	NM	2.0	J	Dry	4.0	J	ND	Dry	ND	1.9	J	Dry		
	19-Dec-07	2.0	10.0	AB	ND	NM	Dry	Dry	Dry	2.3	J	2.9 (3.7 J)	J	Dry	2.7	J	2.0	J	
	28-Apr-08	2.0	10.0	AB	2.0	B	NM	10.2	B	Dry	Dry	1.7 (ND)	B	Dry	3.1	B	4.8	B	
30-Dec-08	2.0	10.0	AB	5.2	J	NM	Dry	Dry	Dry	NS	4.4 (6.0 J)	J	Dry	3.8	J	ND	26.8		
12-Mar-09	2.0	10.0	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20.8	B		
24-Jun-09	2.0	10.0	AB	ND	NM	Dry	2.6	J	3.3	J	NS	NS	J	Dry	NS	1.3 (2.4 J)	J		
16-Dec-09	2.0	10.0	AB	ND	NM	NS	3.4	J	ND	NS	ND (ND)	Dry	NS	ND	ND	8.3	J		
22-Jun-10	2.0	10.0	AB	ND	NM	NS	8.8	J	3.7	B	NS	3.1	B	Dry	NS	1.6	B		
02-Nov-10	2.0	10.0	AB	AB	ND	Dry	2.5	J	ND	NS	NS	ND	Dry	ND (ND)	ND	ND	ND		
Nickel	Apr-94	NR	50	53	NI	NI	ND	ND	ND	ND	65	NI	NI	NI	NI	NI	NA		
	Oct-94	NR	50	323	NI	NI	ND	ND	57	ND	ND	NI	NI	NI	NI	NI	NA		
	Apr-95	NR	50	254	NI	NI	ND	ND	ND	ND	94	NI	NI	NI	NI	NI	NA		
	Oct-95	NR	50	ND	NI	NI	ND	132	83	ND	58	NI	NI	NI	NI	NI	NA		
	Apr-96	NR	50	150	NI	NI	ND	ND	78	ND	56	NI	NI	NI	NI	NI	NA		
	Nov-96	NR	50	180	NI	NI	77	ND	100	ND	100	NI	NI	NI	NI	NI	ND		
	Mar-97	NR	50	107	NI	NI	ND	ND	55	ND	ND	NI	NI	NI	NI	NI	ND		
	Sep-97	NR	50	129	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND		
	Mar-98	NR	50	ND	NI	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	ND		
	Sep-98	NR	50	ND	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND		
	Sep-99	NR	50	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND		
	Apr-00	NR	50	NS	NI	NI	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND		
	Sep-00	NR	50	NS	NI	NI	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND		
	Mar-01	NR	50	NS	NI	NM	ND	NS	ND	ND	ND	NS	ND (ND)	ND	NI	NI	ND		
	Jun-01	NR	50	NS	NI	NM	NS	NS	NS	NS	NS	NS	NS	NS	NI	NI	NA		
	Oct-01	NR	50	NS	NI	NM	ND	NS	ND	ND	ND	NS	ND	ND	NI	NI	ND		
	Apr-02	NR	50	AB	ND	NM	ND	NS	ND	ND	ND	NS	NS	ND (ND)	NI	NI	ND		
	Nov-02	NR	50	AB	ND	NM	ND	NS	NS	ND	ND	NS	NS	ND	NI	NI	ND		
	May-03	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	NS	NS	ND	NI	NI	ND		
	Nov-03	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	ND		
	Apr-04	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND		
	May-04	NR	50	AB	NS	NM	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS		
	Oct-04	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	May-05	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND		
	Oct-05	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND		
	29-Jun-06	NR	50	AB	ND	NM	Dry	Dry	ND	ND	ND	NS	Dry	ND	ND	ND	ND		
	07-Dec-06	NR	50	AB	ND	NM	ND	Dry	ND	ND	ND	Dry	Dry	ND	Dry	ND	ND		
	28-Jun-07	0.6	50.0	AB	1.8	B	NM	8.2	B	Dry	5.6	B	3.0	B	4.0	B	Dry	4.3 B (4.5 B)	
	19-Dec-07	0.6	50.0	AB	1.8	J	NM	Dry	Dry	Dry	6.0	J	4.4 (6.8 J)	J	Dry	Dry	1.4	J	
	28-Apr-08	0.6	50.0	AB	1.0	B	NM	8.9	B	Dry	Dry	ND (0.7 B)	2.1	B	Dry	Dry	3.2	B	
30-Dec-08	0.6	50.0	AB	2.2	B	NM	Dry	Dry	Dry	NS	5.3 (7.6 J)	J	Dry	NS	2.3	B	2.0		
24-Jun-09	0.6	50.0	AB	ND	NM	Dry	1.6	B	1.5	B	NS	10.6	B	Dry	NS	1.2 (2.5 B)	B		
16-Dec-09	0.6	50.0	AB	ND	NM	NS	ND	1.0	B	NS	5.8 (5.2 J)	J	Dry	NS	2.5	B	ND		
22-Jun-10	0.6	50.0	AB	ND	NM	NS	ND	2.2	J	NS	2.3	J	Dry	NS	ND	ND (ND)	ND		
02-Nov-10	0.6	50.0	AB	AB	2.3	J	Dry	3.1	J	3.4	J	NS	5.4	J	Dry	Dry	ND (1.3 J)		
Silver NC 2L = 20 µg/L (10/1/10) Resample	16-Dec-09	1.1	10.0	AB	1.1	J	NM	NS	1.2	J	1.2	J	NS	ND (ND)	Dry	NS	ND	1.8	J
	22-Jun-10	1.1	10.0	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	26.4	ND (ND)	ND	ND	ND	
	13-Sep-10	0.1	10.0	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	0.11	J	NS	NS	NS	
	02-Nov-10	1.1	10.0	AB	AB	ND	Dry	NS	ND	NS	NS	1.8	J	Dry	Dry	ND (ND)	2.4	J	
Thallium GWPS = 0.28 µg/L (10/23/07) GWPS = 0.2 µg/L (10/1/10)	28-Apr-08	2.7	5.5	AB	ND	NM	ND	Dry	Dry	ND (ND)	ND	Dry	Dry	4.0	J	ND	ND	ND	
	30-Dec-08	2.7	5.5	AB	ND	NM	Dry	Dry	Dry	NS	5.0 (4.5 B)	B	Dry	NS	ND	ND	ND	2.4	
	24-Jun-09	2.7	5.5	AB	ND	NM	Dry	2.9	J	ND	NS	ND	Dry	NS	ND (ND)	Dry	ND	ND	
	16-Dec-09	2.7	5.5	AB	ND	NM	NS	ND	ND	NS	ND (ND)	Dry	NS	NS	ND	ND	4.2	J	
	22-Jun-10	2.7	5.5	AB	ND	NM	NS	ND	4.3	J	NS	ND	Dry	NS	3.5	J	ND (ND)	ND	
02-Nov-10	2.7	5.5	AB	AB	ND	Dry	ND	3.0	J	NS	3.5	J	Dry	Dry	ND (ND)	ND	ND		
Vanadium	Apr-94	NR	80	ND	NS	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NA		
	Oct-94	NR	40	138	NS	NI	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NA		
	Apr-95	NR	40	205	NS	NI	ND	ND	89	ND	89	NI	NI	NI	NI	NI	NA		
	Oct-95	NR	40	ND	NS	NI	ND	122	150	ND	ND	NI	NI	NI	NI	NI	NA		
	Apr-96	NR	40	148	NS	NI	ND	50	147	ND	ND	NI	NI	NI	NI	NI	NA		
	Nov-96	NR	40																

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS

Constituent	Date	Concentration in (µg/L)															Blanks	
		DL	RL	Background			Downgradient											
				MW-2	MW-2R	MW-13	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18		
Zinc NC 2L = 1,050 µg/L (10/23/07) NC 2L = 1,000 µg/L (1/01/10)	Apr-94	NR	20	213	NI	NI	54	114	597	62	678	NI	NI	NI	NI	NI	NA	
	Oct-94	NR	50	995	NI	NI	ND	93	234	ND	211	NI	NI	NI	NI	NI	NA	
	Apr-95	NR	50	821	NI	NI	106	52	160	ND	451	NI	NI	NI	NI	NI	NA	
	Oct-95	NR	50	ND	NI	NI	162	384	359	ND	306	NI	NI	NI	NI	NI	NA	
	Apr-96	NR	50	622	NI	NI	152	104	354	90	304	NI	NI	NI	NI	NI	NA	
	Nov-96	NR	50	546	NI	NI	203	110	426	136	412	NI	NI	NI	NI	NI	ND	
	Mar-97	NR	50	313	NI	NI	80	144	378	128	189	NI	NI	NI	NI	NI	ND	
	Sep-97	NR	50	382	NI	NI	309	140	246	418	187	NI	NI	NI	NI	NI	ND	
	Mar-98	NR	50	267	NI	NI	70	ND	162	246	57	NI	NI	NI	NI	NI	ND	
	Sep-98	NR	50	256	NI	NI	130	121	174	108	123	NS	NI	NI	NI	NI	ND	
	Mar-99	NR	50	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND	
	Sep-99	NR	50	NS	NI	NI	ND	ND	ND	ND	ND	NS	NI	NI	NI	NI	ND	
	Apr-00	NR	50	NS	NI	NI	ND	ND	112	ND	77	ND	55	ND (64)	NI	NI	ND	
	Sep-00	NR	50	NS	NI	NI	ND	111	ND	ND	53	ND	ND	ND	NI	NI	ND	
	Mar-01	NR	50	NS	NI	NM	ND	NS	ND	ND	ND	NS	63 (92)	ND	NI	NI	ND	
	Jun-01	NR	50	NS	NI	NM	NS	NS	NS	NS	NS	NS	NS	ND	NI	NI	NA	
	Oct-01	NR	50	NS	NI	NM	59	NS	ND	ND	ND	NS	84	ND	NI	NI	ND	
	Apr-02	NR	50	AB	ND	NM	ND	NS	141	ND	98	NS	NS	ND (ND)	NI	NI	ND	
	Nov-02	NR	50	AB	ND	NM	62	NS	NS	ND	ND	NS	NS	ND	NI	NI	ND	
	May-03	NR	50	AB	ND	NM	62	84	88	ND	71	NS	138	ND	NI	NI	ND	
	Nov-03	NR	50	AB	ND	NM	58	ND	ND	ND	ND	NS	ND	ND	NS	NS	ND	
	Apr-04	NR	50	AB	ND	NM	179	ND	73	ND	71	ND	ND	ND	NS	NS	ND	
	May-04	NR	50	AB	NS	NM	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	ND	
	Oct-04	NR	50	AB	ND	NM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	May-05	NR	50	AB	ND	NM	ND	ND	65	ND	ND	NS	ND	ND	ND	50	ND	
	Oct-05	NR	50	AB	138	NM	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	
	29-Jun-06	NR	50	AB	ND	NM	Dry	Dry	81	ND	ND	NS	Dry	ND	ND	200	ND	
	07-Dec-06	NR	10	AB	ND	NM	ND	Dry	120	ND	43 (55)	Dry	Dry	ND	Dry	39	ND	
	28-Jun-07	2.7	10.0	AB	12.4	NM	53.6	Dry	91.8	14.9	50.8	Dry	Dry	21.4 (27.7)	43.5	Dry	ND	
	19-Dec-07	2.7	10.0	AB	15.0	B NM	Dry	Dry	18.9	B 44.0 (59.0)	Dry	Dry	Dry	8.9	B 32.5	Dry	5.4 J	
	28-Apr-08	2.7	10.0	AB	15.5	NM	52.1	Dry	Dry	40.8 (43.9)	ND	Dry	Dry	7.2	J 11.4	155	ND	
	30-Dec-08	2.7	10.0	AB	ND	NM	Dry	Dry	Dry	NS	94.6 (82.6)	Dry	NS	19.6	25.8	163	ND	
24-Jun-09	2.7	10.0	AB	45.5	B NM	Dry	19.8	B 60.7	B NS	93.2	B Dry	NS	54.5 (15.2 B)	B Dry	61.6	B 61.8		
16-Dec-09	2.7	10.0	AB	7.7	B NM	NS	14.5	B 35.4	B NS	57.6 (50.7)	Dry	NS	12.3	B 22.6	B 28.0	B 9.0		
22-Jun-10	2.7	10.0	AB	ND	NM	NS	25.4	66.5	NS	37.0	Dry	NS	15.4	B 21.8 (28.4)	B 33.5	B 4.9		
02-Nov-10	2.7	10.0	AB	AB	23.3	B Dry	22.0	B 42.4	B NS	41.9	B Dry	Dry	7.0 (8.3 B)	B 23.3	B 15.0	B 15.4		
Benzene NC 2L = 1 µg/L (10/23/07)	28-Jun-07	0.1	1.0	AB	ND	NM	ND	Dry	ND	ND	Dry	Dry	0.6 (0.6 J)	J	ND	Dry	ND	
	19-Dec-07	0.1	1.0	AB	ND	NM	Dry	Dry	Dry	ND	ND (ND)	Dry	ND	ND	Dry	ND	ND	
	28-Apr-08	0.1	1.0	AB	ND	NM	ND	Dry	Dry	ND (ND)	ND	Dry	0.64	J	ND	ND	ND	
	30-Dec-08	0.1	1.0	AB	ND	NM	Dry	Dry	Dry	NS	ND (ND)	Dry	NS	ND	ND	ND	ND	
	24-Jun-09	0.1	1.0	AB	ND	NM	Dry	ND	ND	NS	ND	Dry	NS	ND (ND)	Dry	ND	ND	
	16-Dec-09	0.1	1.0	AB	ND	NM	NS	ND	ND	NS	ND (ND)	ND	NS	0.1	J	ND	ND	
	22-Jun-10	0.1	1.0	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	0.6	J	ND (ND)	ND	
	02-Nov-10	0.1	1.0	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	ND (ND)	ND	ND	ND	
Carbon Disulfide NC 2L = 700 µg/L (10/23/07)	28-Jun-07	0.5	100	AB	ND	NM	ND	Dry	ND	2.7	J	ND	Dry	Dry	1.1 J (3.3 J)	ND	Dry	
	19-Dec-07	0.5	100	AB	0.65	J NM	Dry	Dry	Dry	ND	ND (ND)	Dry	Dry	1.29	J	ND	Dry	
	28-Apr-08	0.5	100	AB	ND	NM	ND	Dry	Dry	ND (ND)	ND	Dry	Dry	ND	ND	ND	0.54	
	30-Dec-08	0.5	100	AB	ND	NM	Dry	Dry	Dry	NS	2.0 (0.5 J)	J	Dry	NS	1.0	J	0.7	J
	24-Jun-09	0.5	100	AB	ND	NM	Dry	ND	ND	NS	ND	Dry	NS	ND (ND)	Dry	ND	ND	
	16-Dec-09	0.5	100	AB	ND	NM	NS	ND	ND	NS	ND (ND)	Dry	NS	ND	ND	ND	ND	
	22-Jun-10	0.5	100	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	ND	ND (ND)	ND	ND	
02-Nov-10	0.5	100	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	ND (ND)	ND	ND	ND		
Chloromethane NC 2L = 2.6 µg/L (10/23/07) NC 2L = 3 µg/L (1/01/10)	24-Jun-09	0.1	1.0	AB	ND	NM	Dry	0.4	J	ND	NS	ND	Dry	NS	ND (ND)	Dry	ND	
	16-Dec-09	0.1	1.0	AB	ND	NM	NS	ND	ND	NS	ND (ND)	Dry	NS	ND	ND	ND	ND	
	22-Jun-10	0.1	1.0	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	ND	ND (ND)	ND	ND	
	02-Nov-10	0.1	1.0	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	ND (ND)	ND	ND	ND	
Toluene NC 2L = 1,000 µg/L (10/23/07) NC 2L = 60 µg/L (1/01/10)	30-Dec-08	0.3	1.0	AB	1.0	B NM	Dry	Dry	Dry	NS	1.0 (0.6 B)	B Dry	NS	1.1	B	1.0	B	1.0
	24-Jun-09	0.3	1.0	AB	ND	NM	Dry	ND	ND	NS	ND	Dry	NS	ND (ND)	Dry	ND	ND	
	16-Dec-09	0.3	1.0	AB	ND	NM	NS	ND	ND	NS	ND (ND)	Dry	NS	ND	ND	ND	ND	
	22-Jun-10	0.3	1.0	AB	ND	NM	NS	ND	ND	NS	ND	Dry	NS	ND	ND (ND)	ND	ND	
02-Nov-10	0.3	1.0	AB	AB	ND	Dry	ND	ND	NS	ND	Dry	Dry	ND (ND)	ND	ND	ND		

- NOTES:
- All concentrations are reported in micrograms per liter (µg/L).
 - Values in parentheses represent duplicate sample results.
 - MW = Groundwater monitoring well.
 - DL = Laboratory detection limit.
 - RL = Laboratory reporting limit (NC SWSL (or lower) June 2007 - present).
 - ND = Not detected above laboratory reporting limit.
 - NS = Not sampled.
 - January 2004 results represent a resampling event. Sample was analyzed by ENCO Laboratories.
 - May 2004 results for MW-8 were analyzed by ENCO Laboratories. Well was damaged during regular sampling event.
 - NC 2L = North Carolina 2 L Standard.
 - GWPS = Groundwater Protection Standards.
 - Detections above the NC 2L/GWPS are highlighted.
 - MW-8 was damaged prior to the April 04 sampling event and no sample could be obtained; therefore, a sample was obtained during May 04 after well repairs were made.
 - AB = Monitoring well has been abandoned.
 - NI = Monitoring well not installed.
 - NA = Not available.
 - Dry = Monitoring well considered to be dry and no sample collected (water level still measured).
 - NR = Not reported.

TABLE 4

SUMMARY OF HISTORICAL GROUNDWATER FIELD PARAMETERS

Parameter	Date	Background			Downgradient									
		MW-2	MW-2R	MW-13	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18
pH (S.U.)	Sep-98	5.20	NI	NI	5.10	5.70	5.90	4.90	5.30	NS	NI	NI	NI	NI
	Mar-99	NS	NI	NI	4.06	5.04	6.08	6.01	5.41	NS	NI	NI	NI	NI
	Sep-99	NS	NI	NI	4.64	5.37	6.61	5.89	5.01	NS	NI	NI	NI	NI
	Apr-00	NS	NI	NI	6.04	5.21	5.09	5.63	5.44	4.99	5.67	5.76	NI	NI
	Sep-00	NS	NI	NI	6.16	5.63	5.94	5.37	5.39	4.98	10.63	10.59	NI	NI
	Mar-01	NS	NI	NM	4.80	NS	5.20	5.10	4.70	NS	4.50	11.70	NI	NI
	Oct-01	NS	NI	NM	5.25	NS	5.38	5.15	5.39	NS	5.28	10.59	NI	NI
	Apr-02	AB	6.76	NM	4.96	NS	5.09	5.33	5.02	NS	NS	11.01	NI	NI
	Nov-02	AB	6.22	6.33	5.48	NS	NS	6.03	5.82	NS	NS	10.22	NI	NI
	May-03	AB	5.43	NM	6.11	5.93	6.11	5.82	6.42	NS	6.18	10.01	NI	NI
	Nov-03	AB	6.44	NM	5.03	NS	5.83	5.27	5.03	NS	4.04	8.98	NS	NS
	Jan-04	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	12.23	NS	NS
	Apr-04	AB	7.31	NM	5.49	5.37	5.97	NS	5.36	NS	6.30	10.93	5.25	5.17
	May-04	AB	NS	NM	NS	NS	NS	5.90	NS	NS	NS	NS	NS	NS
	Oct-04	AB	7.11	NM	5.73	5.44	5.61	6.06	5.22	5.77	6.49	10.44	5.37	5.11
	May-05	AB	7.30	NM	5.21	5.05	5.65	6.03	5.41	NS	6.08	10.35	5.18	4.95
	Oct-05	AB	7.00	NM	5.93	7.10	7.22	7.43	6.02	NS	7.69	10.35	5.87	5.44
	29-Jun-06	AB	7.27	NM	Dry	Dry	6.39	6.65	5.87	NS	Dry	9.94	5.73	5.64
	07-Dec-06	AB	6.70	NM	5.12	Dry	5.80	6.23	4.88	Dry	Dry	6.72	Dry	6.72
	28-Jun-07	AB	6.99	NM	6.16	Dry	5.80	5.79	5.36	Dry	Dry	9.98	5.24	Dry
	27-Dec-07	AB	6.68	NM	Dry	Dry	Dry	5.97	5.39	Dry	Dry	8.29	5.49	Dry
	28-Apr-08	AB	6.88	NM	5.12	Dry	Dry	5.56	5.21	Dry	Dry	10.29	4.90	4.96
	30-Dec-08	AB	6.77	NM	Dry	Dry	Dry	NS	5.17	Dry	Dry	9.19	5.77	5.69
	Resample 12-Mar-09	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.22
	24-Jun-09	AB	6.83	NM	Dry	6.11	6.27	NS	5.63	Dry	NS	9.36	Dry	5.77
	Resample 24-Sep-09	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	8.73	NS	NS
	16-Dec-09	AB	6.62	NM	NS	6.23	6.47	NS	5.93	Dry	NS	10.04	5.73	5.88
	22-Jun-10	AB	6.72	NM	NS	6.19	6.44	NS	6.11	Dry	NS	10.39	5.01	5.89
	Resample 14-Sep-10	AB	NS	NM	NS	NS	6.76	NS	NS	NS	NS	8.57	NS	NS
	02-Nov-10	AB	AB	5.99	Dry	5.98	5.69	NS	6.74	Dry	Dry	8.99	5.91	6.01
Temperature (°C)	Sep-98	20	NI	NI	22	23	19	19	22	NS	NI	NI	NI	NI
	Mar-99	NS	NI	NI	15.7	15.6	16.1	14.8	15.9	NS	NI	NI	NI	NI
	Sep-99	NS	NI	NI	18	19	19	17	18	NS	NI	NI	NI	NI
	Apr-00	NS	NI	NI	11.4	14.2	12.6	12.5	12.7	12.1	12.8	12.8	NI	NI
	Sep-00	NS	NI	NI	16.4	19.3	17.6	17.9	17.2	17.8	18.4	17.9	NI	NI
	Mar-01	NS	NI	NM	17	NS	17	17	16	NS	17	14	NI	NI
	Oct-01	NS	NI	NM	20	NS	19	21	20	NS	19	19	NI	NI
	Apr-02	AB	17	NM	16	NS	15	14	15	NS	NS	13	NI	NI
	Nov-02	AB	16	16	15	NS	NS	16	16	NS	NS	16	NI	NI
	May-03	AB	16	NM	17	16	17	17	18	NS	19	17	NI	NI
	Nov-03	AB	17	NM	17	18	17	17	17	NS	17	16	NS	NS
	Jan-04	AB	NS	18	NS	NS	NS	NS	NS	NS	NS	13	NS	NS
	Apr-04	AB	19	NM	19	19	19	NS	20	NS	18	19	19	22
	May-04	AB	NS	NM	NS	NS	NS	20	NS	NS	NS	NS	NS	NS
	Oct-04	AB	17	NM	18	16	16	17	18	17	17	16	17	16
	May-05	AB	20	NM	25	17	17	17	18	NS	18	18	21	21
	Oct-05	AB	13.4	NM	14.9	14.7	16.4	16.7	16.5	NS	15.6	14.7	16.9	15.8
	29-Jun-06	AB	27.3	NM	Dry	Dry	22.5	25.3	23.1	NS	Dry	21.4	21.9	21.7
	07-Dec-06	AB	13.0	NM	14.1	Dry	12.8	12.2	15.0	Dry	Dry	14.1	Dry	13.0
	28-Jun-07	AB	20.9	NM	21	Dry	19.4	20.1	20.6	Dry	Dry	22.0	20.6	Dry
	27-Dec-07	AB	9.9	NM	Dry	Dry	Dry	11.1	12.4	Dry	Dry	12.8	11.7	Dry
	28-Apr-08	AB	16.4	NM	16.3	Dry	Dry	15.5	15.8	Dry	Dry	15.5	15.6	16.0
	30-Dec-08	AB	10.8	NM	Dry	Dry	Dry	NS	9.9	Dry	Dry	12.4	14.8	11.4
	Resample 12-Mar-09	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.9
	24-Jun-09	AB	16.1	NM	Dry	17.2	16.4	NS	15.9	Dry	NS	16.2	Dry	16.7
	Resample 24-Sep-09	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	18.2	NS	NS
	16-Dec-09	AB	13.1	NM	NS	13.4	13.8	NS	13.7	Dry	NS	13.2	13.4	13.7
	22-Jun-10	AB	18.4	NM	NS	16.9	17.6	NS	17.7	Dry	NS	18.3	17.9	17.4
	Resample 14-Sep-10	AB	NS	NM	NS	NS	15.2	NS	NS	NS	NS	19.4	NS	NS
	02-Nov-10	AB	AB	13.9	Dry	13.70	14.6	NS	13.3	Dry	Dry	14.6	13.10	13.3
Conductivity (uolums/cm)	Sep-98	69	NI	NI	46	23	127	69	46	NS	NI	NI	NI	NI
	Mar-99	NS	NI	NI	292	23	50	60	44	NS	NI	NI	NI	NI
	Sep-99	NS	NI	NI	778	96	523	499	103	NS	NI	NI	NI	NI
	Apr-00	NS	NI	NI	807	186	623	581	296	191	293	241	NI	NI
	Sep-00	NS	NI	NI	810	196	655	523	309	282	277	204	NI	NI
	Mar-01	NS	NI	NM	180	NS	40	30	20	NS	1400	1700	NI	NI
	Oct-01	NS	NI	NM	20	NS	110	40	80	NS	100	1500	NI	NI
	Apr-02	AB	30	NM	240	NS	30	90	30	NS	NS	1900	NI	NI
	Nov-02	AB	110	60	180	NS	NS	160	80	NS	NS	2100	NI	NI
	May-03	AB	190	NM	240	220	70	90	180	NS	210	1840	NI	NI
	Nov-03	AB	90	NM	120	110	60	80	30	NS	2000	4200	NS	NS
	Jan-04	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	1518	NS	NS
	Apr-04	AB	210	NM	36	<30	69	NS	31	NS	178	1010	<30	<30
	May-04	AB	NS	NM	NS	NS	NS	33	NS	NS	NS	NS	NS	NS
	Oct-04	AB	210	NM	180	260	90	60	140	310	230	1960	120	180
	May-05	AB	105	NM	25	25	76	39	39	NS	14	404	27	18
	Oct-05	AB	110.3	NM	34.2	39.9	90.8	38.6	30.5	NS	193.7	327	38.9	18.9
	29-Jun-06	AB	95.7	NM	Dry	Dry	50.8	35.8	67.6	NS	Dry	396	30.1	12.4
	07-Dec-06	AB	240	NM	38.2	Dry	85.3	78.2	57.1	Dry	Dry	324	Dry	93.7
	28-Jun-07	AB	210	NM	50.6	Dry	113	53.3	41.9	Dry	Dry	586	36.4	Dry
	27-Dec-07	AB	141	NM	Dry	Dry	Dry	55.1	38.3	Dry	Dry	336	<30	Dry
	28-Apr-08	AB	177	NM	37	Dry	Dry	54	36	Dry	Dry	465	33	<30
	30-Dec-08	AB	NS	NM	Dry	Dry	Dry	NA	NA	Dry	Dry	NA	NA	NA
	Resample 12-Mar-09	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.7
	24-Jun-09	AB	147	NM	Dry	21.5	91.8	NS	45.1	Dry	NS	371	Dry	19.2
	Resample 24-Sep-09	AB	NS	NM	NS	NS	NS	NS	NS	NS	NS	300	NS	NS
	16-Dec-09	AB	161	NM	NS	19	107	NS	47	Dry	NS	361	26	14
	22-Jun-10	AB	159	NM	NS	59.2	226	NS	798	Dry	NS	346	51.1	48.0
	Resample 14-Sep-10	AB	NS	NM	NS	NS	204	NS	NS	NS	NS	406	NS	NS
	02-Nov-10	AB	AB	86.1	Dry	30.6	188	NS	38.4	Dry	Dry	39.8	30.60	21.2

Notes:

- MW = groundwater monitoring well
- = not measured or not reported
- Jan-04 data are from a resampling event.
- MW-8 was damaged prior to the April 04 sampling event and no sample could be obtained; therefore, a sample was obtained during May 04 after well repairs were made.
- AB = Monitoring well abandoned.
- Dry = Monitoring well considered to be dry and no samples collected.
- NI = Monitoring well not installed.
- NS = Not sampled.
- NA = Not available.

TABLE 5

SUMMARY OF HISTORICAL LEACHATE CONSTITUENTS

Constituent	Date	Concentration in (µg/L)			
		DL	RL	Leachate	Blanks
Antimony	28-Jun-07	1.2	6.0	ND	4.5
	19-Dec-07	1.2	6.0	5.2 J	ND
	28-Apr-08	1.2	6.0	2.5 J	ND
	30-Dec-08	1.2	6.0	ND	ND
	24-Jun-09	NR	30	ND	3.1 J
	16-Dec-09	1.2	6.0	ND	1.4 J
	22-Jun-10	1.2	6.0	1.2 B	1.8 J
	02-Nov-10	1.2	6.0	ND	ND
	Barium	Apr-94	NR	250	NS
Oct-94		NR	500	NS	NA
Apr-95		NR	500	NS	NA
Oct-95		NR	500	NS	NA
Apr-96		NR	500	NS	NA
Nov-96		NR	500	NS	ND
Mar-97		NR	500	NS	ND
Sep-97		NR	500	NS	ND
Mar-98		NR	500	NS	ND
Sep-98		NR	500	NS	ND
Mar-99		NR	500	NS	ND
Sep-99		NR	500	NS	ND
Apr-00		NR	500	NS	ND
Sep-00		NR	500	NS	ND
Mar-01		NR	500	NS	ND
Jun-01		NR	500	NS	NA
Oct-01		NR	500	NS	ND
Apr-02		NR	500	NS	ND
Nov-02		NR	500	NS	ND
May-03		NR	500	NS	ND
Nov-03		NR	500	NS	ND
Apr-04		NR	500	NS	ND
May-04		NR	500	NS	ND
Oct-04		NR	500	NS	ND
May-05		NR	500	ND	ND
Oct-05		NR	500	ND	ND
29-Jun-06		NR	500	ND	ND
07-Dec-06		NR	100	100	ND
28-Jun-07		1.1	100	57.1 J	5.1
19-Dec-07		1.1	100	97.0 B	24.9 J
28-Apr-08	1.1	100	113	33.2 J	
30-Dec-08	1.1	100	80.0 J	1.2 J	
24-Jun-09	NR	500	ND	9.2 J	
16-Dec-09	1.1	100	177	3.5 J	
22-Jun-10	1.1	100	55.8 J	1.7 J	
02-Nov-10	1.1	100	55.5 B	15.7 J	
Beryllium	02-Nov-10	0.20	1.0	0.3 J	ND
Chromium	Apr-94	NR	20	NS	NA
	Oct-94	NR	10	NS	NA
	Apr-95	NR	10	NS	NA
	Oct-95	NR	10	NS	NA
	Apr-96	NR	10	NS	NA
	Nov-96	NR	10	NS	ND
	Mar-97	NR	10	NS	ND
	Sep-97	NR	10	NS	ND
	Mar-98	NR	10	NS	ND
	Sep-98	NR	10	NS	ND
	Mar-99	NR	10	NS	ND
	Sep-99	NR	10	NS	ND
	Apr-00	NR	10	NS	ND
	Sep-00	NR	10	NS	ND
	Jun-01	NR	10	NS	NA
	Oct-01	NR	10	NS	ND
	Apr-02	NR	10	NS	ND
	Nov-02	NR	10	NS	ND
	May-03	NR	10	NS	ND
	Nov-03	NR	10	NS	ND
	Apr-04	NR	10	NS	ND
	May-04	NR	10	NS	ND
	Oct-04	NR	10	NS	ND
	May-05	NR	10	ND	ND
	Oct-05	NR	10	ND	ND
	29-Jun-06	NR	10	ND	ND
	07-Dec-06	NR	10	ND	ND
	28-Jun-07	0.70	10.0	8.3 B	5.2
	19-Dec-07	0.7	10.0	2.7 J	ND
	28-Apr-08	0.7	10.0	6.6 B	2.0 J
30-Dec-08	0.7	10.0	7.4 J	ND	
24-Jun-09	NR	10	ND	ND	
16-Dec-09	0.7	10.0	6.9 J	ND	
22-Jun-10	0.7	10.0	2.0 J	ND	
02-Nov-10	0.7	10.0	3.0 J	ND	

TABLE 5

SUMMARY OF HISTORICAL LEACHATE CONSTITUENTS

Constituent	Date	Concentration in (µg/L)			
		DL	RL	Leachate	Blanks
Cobalt	Apr-94	NR	50	NS	NA
	Oct-94	NR	10	NS	NA
	Apr-95	NR	10	NS	NA
	Oct-95	NR	10	NS	NA
	Apr-96	NR	10	NS	NA
	Nov-96	NR	10	NS	ND
	Mar-97	NR	10	NS	ND
	Sep-97	NR	10	NS	ND
	Mar-98	NR	10	NS	ND
	Sep-98	NR	10	NS	ND
	Mar-99	NR	10	NS	ND
	Sep-99	NR	10	NS	ND
	Apr-00	NR	10	NS	ND
	Sep-00	NR	10	NS	ND
	Mar-01	NR	10	NS	ND
	Jun-01	NR	10	NS	NA
	Oct-01	NR	10	NS	ND
	Apr-02	NR	10	NS	ND
	Nov-02	NR	10	NS	ND
	May-03	NR	10	NS	ND
	Nov-03	NR	10	NS	ND
	Apr-04	NR	10	NS	ND
	May-04	NR	10	NS	ND
	Oct-04	NR	10	NS	ND
	May-05	NR	10	10	ND
	Oct-05	NR	10	12	ND
	29-Jun-06	NR	10	12	ND
	07-Dec-06	NR	10	13	ND
	28-Jun-07	0.7	10.0	14.7	ND
	19-Dec-07	0.7	10.0	8.7	J ND
	28-Apr-08	0.7	10.0	16.6	ND
	30-Dec-08	0.7	10.0	20.4	ND
	24-Jun-09	NR	10	15	ND
16-Dec-09	0.7	10.0	12.1	ND	
22-Jun-10	0.7	10.0	9.1	J ND	
02-Nov-10	0.7	10.0	20.2	ND	
Copper	Apr-94	NR	10	NS	NA
	Oct-94	NR	200	NS	NA
	Apr-95	NR	200	NS	NA
	Oct-95	NR	200	NS	NA
	Apr-96	NR	200	NS	NA
	Nov-96	NR	200	NS	ND
	Mar-97	NR	200	NS	ND
	Sep-97	NR	200	NS	ND
	Mar-98	NR	200	NS	ND
	Sep-98	NR	200	NS	ND
	Mar-99	NR	200	NS	ND
	Sep-99	NR	200	NS	ND
	Apr-00	NR	200	NS	ND
	Sep-00	NR	200	NS	ND
	Mar-01	NR	200	NS	ND
	Jun-01	NR	200	NS	NA
	Oct-01	NR	200	NS	ND
	Apr-02	NR	200	NS	ND
	Nov-02	NR	200	NS	ND
	May-03	NR	200	NS	ND
	Nov-03	NR	200	NS	ND
	Apr-04	NR	200	NS	ND
	May-04	NR	200	NS	ND
	Oct-04	NR	200	NS	ND
	May-05	NR	200	ND	ND
	Oct-05	NR	200	ND	ND
	29-Jun-06	NR	200	ND	ND
	07-Dec-06	NR	10	ND	ND
	28-Jun-07	2.0	10.0	10.1	B 5.2
	19-Dec-07	2.0	10.0	4.4	B 2.6 J
	28-Apr-08	2.0	10.0	18.2	B 5.8 J
	30-Dec-08	2.0	10.0	16.2	ND
	24-Jun-09	NR	200	ND	2.2 J
16-Dec-09	2.0	10.0	2.4	J ND	
22-Jun-10	2.0	10.0	4.2	J ND	
02-Nov-10	2.0	10.0	5.7	J ND	

TABLE 5

SUMMARY OF HISTORICAL LEACHATE CONSTITUENTS

Constituent	Date	Concentration in (µg/L)			
		DL	RL	Leachate	Blanks
Lead	Apr-94	NR	5	NS	NA
	Oct-94	NR	10	NS	NA
	Apr-95	NR	10	NS	NA
	Oct-95	NR	10	NS	NA
	Apr-96	NR	10	NS	NA
	Nov-96	NR	10	NS	ND
	Mar-97	NR	10	NS	ND
	Sep-97	NR	10	NS	ND
	Mar-98	NR	10	NS	ND
	Sep-98	NR	10	NS	ND
	Mar-99	NR	10	NS	ND
	Apr-00	NR	10	NS	ND
	Sep-00	NR	10	NS	ND
	Mar-01	NR	10	NS	ND
	Jun-01	NR	10	NS	NA
	Oct-01	NR	10	NS	ND
	Apr-02	NR	10	NS	ND
	Nov-02	NR	10	NS	ND
	May-03	NR	10	NS	ND
	Nov-03	NR	10	NS	ND
	Apr-04	NR	10	NS	ND
	May-04	NR	10	NS	ND
	Oct-04	NR	10	NS	ND
	May-05	NR	10	ND	ND
	Oct-05	NR	10	ND	ND
	29-Jun-06	NR	10	ND	ND
	07-Dec-06	NR	10	ND	ND
	28-Jun-07	2.0	10.0	ND	ND
	19-Dec-07	2.0	10.0	ND	ND
	28-Apr-08	2.0	10.0	ND	3.8 J
30-Dec-08	2.0	10.0	3.0 J	ND	
24-Jun-09	NR	10	ND	ND	
16-Dec-09	2.0	10.0	ND	ND	
22-Jun-10	2.0	10.0	ND	ND	
02-Nov-10	2.0	10.0	2.4 J	ND	
Manganese	07-Dec-06	NR	5	848	ND
	28-Jun-07	0.2	NR	9.9	NA
	19-Dec-07	0.2	NR	333	NA
	28-Apr-08	0.2	NR	362	NA
	30-Dec-08	0.2	NR	628	NA
	24-Jun-09	NR	10	398	NA
	16-Dec-09	0.2	NR	1180	NA
	22-Jun-10	0.2	NR	311	NA
	02-Nov-10	0.2	NR	160	NA
	Mercury	16-Dec-09	0.01	0.2	0.11 J
22-Jun-10		0.01	0.2	0.04 J	NA
02-Nov-10		0.01	0.2	0.07 J	NA
Molybdenum	22-Jun-10	1.3	10.0	1.6 J	NA
	02-Nov-10	1.3	10.0	245	NA
Nickel	Apr-94	NR	50	NS	NA
	Oct-94	NR	50	NS	NA
	Apr-95	NR	50	NS	NA
	Oct-95	NR	50	NS	NA
	Apr-96	NR	50	NS	NA
	Nov-96	NR	50	NS	ND
	Mar-97	NR	50	NS	ND
	Sep-97	NR	50	NS	ND
	Mar-98	NR	50	NS	ND
	Sep-98	NR	50	NS	ND
	Sep-99	NR	50	NS	ND
	Apr-00	NR	50	NS	ND
	Sep-00	NR	50	NS	ND
	Mar-01	NR	50	NS	ND
	Jun-01	NR	50	NS	NA
	Oct-01	NR	50	NS	ND
	Apr-02	NR	50	NS	ND
	Nov-02	NR	50	NS	ND
	May-03	NR	50	NS	ND
	Nov-03	NR	50	NS	ND
	Apr-04	NR	50	NS	ND
	May-04	NR	50	NS	ND
	Oct-04	NR	50	NS	ND
	May-05	NR	50	ND	ND
	Oct-05	NR	50	ND	ND
	29-Jun-06	NR	50	ND	ND
	07-Dec-06	NR	50	ND	ND
	28-Jun-07	0.6	50.0	60.5	5.0
	19-Dec-07	0.6	50.0	45.9 J	ND
	28-Apr-08	0.6	50.0	45.2	1.9 J
30-Dec-08	0.6	50.0	41.3 J	0.7 J	
24-Jun-09	NR	50	ND	2.4 J	
16-Dec-09	0.6	50.0	51.2	0.7 J	
22-Jun-10	0.6	50.0	35.8 J	ND	
02-Nov-10	0.6	50.0	49.4 J	ND	

TABLE 5

SUMMARY OF HISTORICAL LEACHATE CONSTITUENTS

Constituent	Date	Concentration in (pp/L)			
		DL	RL	Leachate	Blanks
Selenium	28-Apr-08	6.3	10.0	13.4	ND
	30-Dec-08	6.3	10.0	ND	ND
	24-Jun-09	NR	20	ND	6.3 J
	16-Dec-09	6.3	10.0	6.5	ND
	22-Jun-10	6.3	10.0	ND	ND
	02-Nov-10	6.3	10.0	ND	ND
	02-Nov-10	6.3	10.0	ND	ND
Silver	19-Dec-07	1.1	10.0	1.4	B 1.5 J
	28-Apr-08	1.1	10.0	ND	ND
	30-Dec-08	1.1	10.0	ND	ND
	24-Jun-09	NR	10	ND	ND
	16-Dec-09	1.1	10.0	ND	ND
	22-Jun-10	1.1	10.0	ND	ND
	02-Nov-10	1.1	10.0	ND	ND
	02-Nov-10	1.1	10.0	ND	ND
Vanadium	Apr-94	NR	80	NS	NA
	Oct-94	NR	40	NS	NA
	Apr-95	NR	40	NS	NA
	Oct-95	NR	40	NS	NA
	Apr-96	NR	40	NS	NA
	Nov-96	NR	40	NS	ND
	Mar-97	NR	40	NS	ND
	Sep-97	NR	40	NS	ND
	Mar-98	NR	40	NS	ND
	Sep-98	NR	40	NS	ND
	Mar-99	NR	40	NS	ND
	Sep-99	NR	40	NS	ND
	Apr-00	NR	40	NS	ND
	Sep-00	NR	40	NS	ND
	Mar-01	NR	40	NS	ND
	Jun-01	NR	40	NS	NA
	Oct-01	NR	40	NS	ND
	Apr-02	NR	40	NS	ND
	Nov-02	NR	40	NS	ND
	May-03	NR	40	NS	ND
	Nov-03	NR	40	NS	ND
	Apr-04	NR	40	NS	ND
	May-04	NR	40	NS	ND
	Oct-04	NR	40	NS	ND
	May-05	NR	40	ND	ND
	Oct-05	NR	40	ND	ND
	29-Jun-06	NR	40	ND	ND
	07-Dec-06	NR	25	ND	ND
	28-Jun-07	0.4	25.0	ND	ND
	19-Dec-07	0.4	25.0	0.5	J ND
28-Apr-08	0.4	25.0	1.8	J ND	
30-Dec-08	0.4	25.0	9.8	J ND	
24-Jun-09	NR	40	ND	ND	
16-Dec-09	0.4	25.0	5.9	J 0.8 J	
22-Jun-10	0.4	25.0	1.2	J ND	
02-Nov-10	0.4	25.0	ND	ND	
Zinc	Apr-94	NR	20	NS	NA
	Oct-94	NR	50	NS	NA
	Apr-95	NR	50	NS	NA
	Oct-95	NR	50	NS	NA
	Apr-96	NR	50	NS	NA
	Nov-96	NR	50	NS	ND
	Mar-97	NR	50	NS	ND
	Sep-97	NR	50	NS	ND
	Mar-98	NR	50	NS	ND
	Sep-98	NR	50	NS	ND
	Mar-99	NR	50	NS	ND
	Sep-99	NR	50	NS	ND
	Apr-00	NR	50	NS	ND
	Sep-00	NR	50	NS	ND
	Mar-01	NR	50	NS	ND
	Jun-01	NR	50	NS	NA
	Oct-01	NR	50	NS	ND
	Apr-02	NR	50	NS	ND
	Nov-02	NR	50	NS	ND
	May-03	NR	50	NS	ND
	Nov-03	NR	50	NS	ND
	Apr-04	NR	50	NS	ND
	May-04	NR	50	NS	ND
	Oct-04	NR	50	NS	ND
	May-05	NR	50	ND	ND
	Oct-05	NR	50	ND	ND
	29-Jun-06	NR	50	ND	ND
	07-Dec-06	NR	10	48	ND
	28-Jun-07	2.7	10.0	31.1	ND
	19-Dec-07	2.7	10.0	20.1	B 5.4 J
28-Apr-08	2.7	10.0	134	ND	
30-Dec-08	2.7	10.0	44.5	ND	
24-Jun-09	NR	50	ND	61.8 B	
16-Dec-09	2.7	10.0	30.4	B 9.0 J	
22-Jun-10	2.7	10.0	46.2	4.9 J	
02-Nov-10	2.7	10.0	43.9	B 15.4	

TABLE 5

SUMMARY OF HISTORICAL LEACHATE CONSTITUENTS

Constituent	Date	Concentration in (ug/L)					
		DL	RL	Leachate	Blanks		
Acetone	28-Apr-08	1.2	100	21.5	J	ND	
	30-Dec-08	1.2	100	ND		ND	
	24-Jun-09	NR	100	ND		ND	
	16-Dec-09	1.2	100	ND		ND	
	22-Jun-10	1.2	100	ND		ND	
	02-Nov-10	1.2	100	ND		ND	
Benzene	30-Dec-08	0.1	1.0	0.3	J	ND	
	24-Jun-09	NR	5	ND		ND	
	16-Dec-09	0.1	1.0	0.7	J	ND	
	22-Jun-10	0.1	1.0	ND		ND	
	02-Nov-10	0.1	1.0	ND		ND	
2-Butanone	16-Dec-09	0.9	100	16.4	J	ND	
	22-Jun-10	0.9	100	ND		ND	
	02-Nov-10	0.9	100	ND		ND	
Carbon Disulfide	28-Jun-07	0.5	100	ND		ND	
	19-Dec-07	0.5	100	ND		ND	
	28-Apr-08	0.5	100	ND		0.54	
	30-Dec-08	0.5	100	ND		ND	
	24-Jun-09	NR	100	ND		ND	
	16-Dec-09	0.5	100	ND		ND	
	22-Jun-10	0.5	100	ND		ND	
	02-Nov-10	0.5	100	ND		ND	
Ethyl Benzene	16-Dec-09	0.3	1.0	1.1		ND	
	22-Jun-10	0.1	1.0	ND		ND	
	02-Nov-10	0.1	1.0	ND		ND	
Toluene	28-Apr-08	0.3	1.0	0.41	J	ND	
	30-Dec-08	0.3	1.0	1.3	B	1.1	
	24-Jun-09	NR	5	ND		ND	
	16-Dec-09	0.3	1.0	4.1		ND	
	22-Jun-10	0.3	1.0	ND		ND	
	02-Nov-10	0.3	1.0	ND		ND	
Xylenes, total	19-Dec-07	0.3	4.0	0.33	J	ND	
	28-Apr-08	0.3	4.0	ND		ND	
	30-Dec-08	0.5	4.0	ND		ND	
	23-Jun-09	NR	5	ND		ND	
	16-Dec-09	0.3	4.0	2.7	J	ND	
	22-Jun-10	0.3	5.0	ND		ND	
	02-Nov-10	0.3	5.0	ND		ND	
Cyanide	28-Jun-07	5.0	10.0	6.0	J	NA	
	19-Dec-07	5.0	10.0	ND		NA	
	28-Apr-08	5.0	10.0	ND		NA	
	30-Dec-08	5.0	10.0	ND		NA	
	24-Jun-09	NR	5	8		NA	
	16-Dec-09	5.0	10.0	ND		NA	
	22-Jun-10	5.0	10.0	ND		NA	
	02-Nov-10	5.0	10.0	ND		NA	
Biochemical Oxygen Demand	07-Dec-06	NR	2600	16300		ND	
	28-Jun-07	2000	NR	34600		NA	
	19-Dec-07	2000	120000	ND		NA	
	28-Apr-08	2000	NR	50000		NA	
	30-Dec-08	2600	NR	27800		NA	
	24-Jun-09	NR	2000	<30000		NA	
	16-Dec-09	2600	NR	34200		NA	
	22-Jun-10	2600	NR	ND		NA	
	02-Nov-10	2000	NR	ND		NA	
Total Suspended Solids	07-Dec-06	NR	5000	36000		ND	
	28-Jun-07	5.0	NR	40		NA	
	19-Dec-07	5.0	NR	32.0		NA	
	28-Apr-08	5000	NR	64000		NA	
	30-Dec-08	5000	NR	84000		NA	
	24-Jun-09	NR	1000	13500		NA	
	16-Dec-09	5000	NR	45500		NA	
	22-Jun-10	1000	NR	5500		NA	
	02-Nov-10	1000	NR	86000		NA	
Oil & Grease	19-Dec-07	5000	NR	5800		NA	
	28-Apr-08	5000	NR	ND		NA	
	30-Dec-08	5000	NR	ND		NA	
	24-Jun-09	NR	5000	ND		NA	
	16-Dec-09	5000	NR	5200		NA	
	22-Jun-10	5000	NR	ND		NA	
	02-Nov-10	5000	NR	ND		NA	

Notes:

1. All concentrations are reported in micrograms per liter (ug/L).
2. DL = Laboratory detection limit.
3. RL = Laboratory reporting limit (NC SWSL June 2007 - present).
4. ND = Not detected above laboratory reporting limit.
5. NA = Not available.
6. NS = Not sampled.
7. NR = Not reported.

TABLE 6

SUMMARY OF HISTORICAL LEACHATE FIELD PARAMETERS

Parameter	Date	Leachate
pH (S.U.)	Sep-98	7.30
	Mar-99	8.05
	Sep-99	6.16
	Apr-00	5.80
	Sep-00	5.82
	Mar-01	6.47
	Oct-01	5.69
	Apr-02	6.77
	Nov-02	6.17
	May-03	6.09
	Nov-03	5.96
	Jan-04	NS
	Apr-04	7.91
	May-04	NS
	Oct-04	7.37
	May-05	8.26
	Oct-05	8.54
	29-Jun-06	8.76
	07-Dec-06	8.33
	28-Jun-07	8.47
	27-Dec-07	7.99
28-Apr-08	8.28	
30-Dec-08	8.40	
24-Jun-09	7.96	
16-Dec-09	7.12	
22-Jun-10	7.34	
02-Nov-10	7.22	
Temperature (°C)	Sep-98	23
	Mar-99	17
	Sep-99	17
	Apr-00	9.8
	Sep-00	16.3
	Mar-01	20
	Oct-01	19
	Apr-02	14
	Nov-02	15
	May-03	16
	Nov-03	18
	Jan-04	NS
	Apr-04	21
	May-04	NS
	Oct-04	16
	May-05	29
	Oct-05	14.7
	29-Jun-06	30.9
	07-Dec-06	8.6
	28-Jun-07	27.6
	27-Dec-07	6.2
28-Apr-08	17.8	
30-Dec-08	5.3	
24-Jun-09	19.4	
16-Dec-09	2.4	
22-Jun-10	24.9	
02-Nov-10	11.9	

TABLE 6

SUMMARY OF HISTORICAL LEACHATE FIELD PARAMETERS

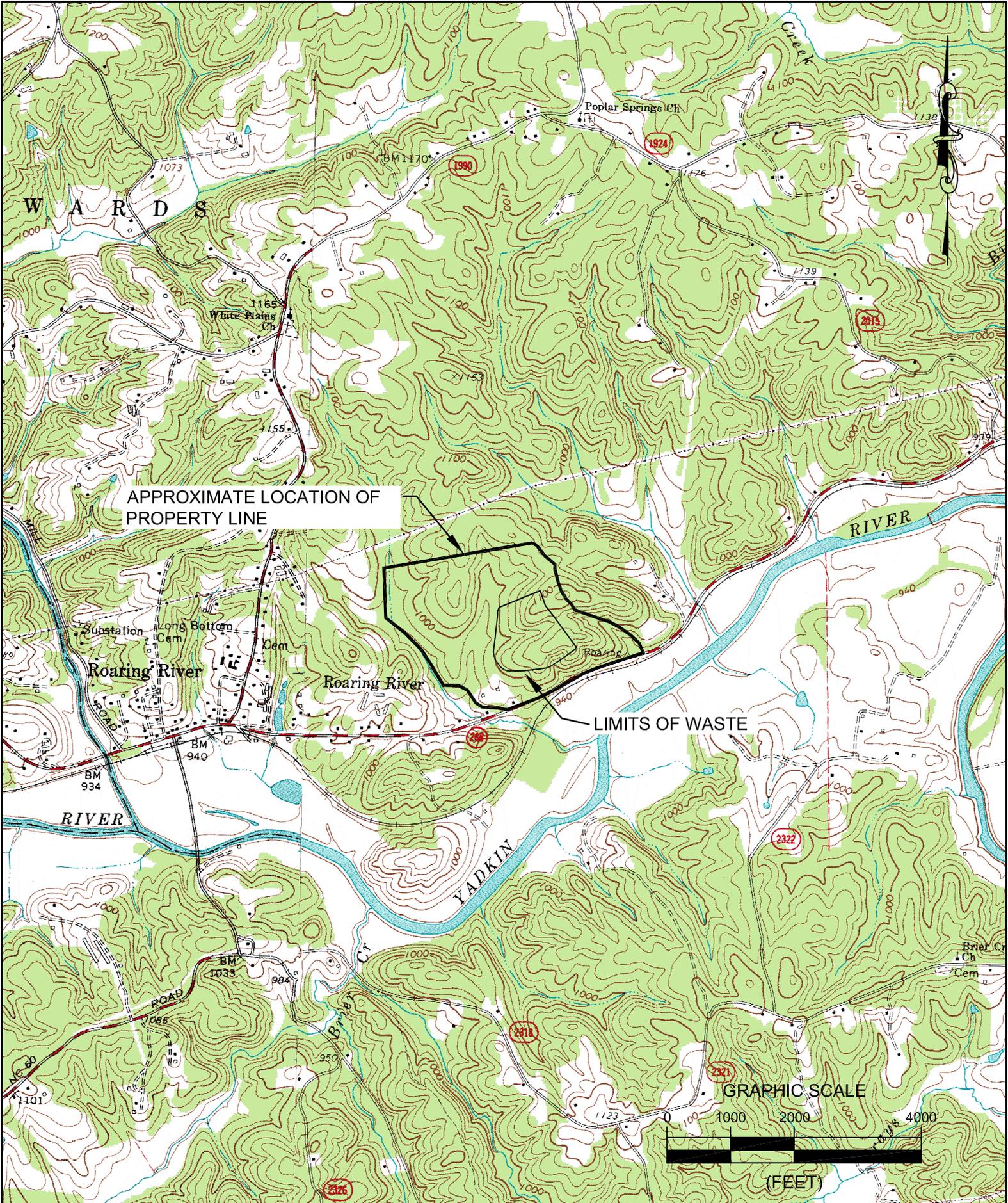
Parameter	Date	Leachate
Conductivity (uohms/cm)	Sep-98	NS
	Mar-99	NS
	Sep-99	296
	Apr-00	347
	Sep-00	323
	Mar-01	NS
	Oct-01	260
	Apr-02	NS
	Nov-02	NS
	May-03	NS
	Nov-04	220
	Jan-04	NS
	Apr-04	2210
	May-04	NS
	Oct-04	110
	May-05	3
	Oct-05	296
	29-Jun-06	2000
	07-Dec-06	2330
	28-Jun-07	NS
27-Dec-07	NS	
28-Apr-08	NS	
30-Dec-08	NS	
23-Jun-09	4260	
16-Dec-09	4300	
22-Jun-10	3180	
02-Nov-10	4410	

Notes:

1. NA = Not available.
2. NS = Not sampled for field parameter.

Figure

Figure No. 1 Site Location Map



APPROXIMATE LOCATION OF PROPERTY LINE

LIMITS OF WASTE

GRAPHIC SCALE



(FEET)

ROARING RIVER LINDFILL
WILKES COUNTY, NORTH CAROLINA

SITE LOCATION MAP

JOICE
ENGINEERING, INC.
2211 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

DESIGNED JJK
DRAWN CADD/JJK
CHECKED GVB
APPROVED GVB
DATE 09/08/10

SCALE
AS NOTED

PROJECT NO.
356.1001.11

FIGURE NO.
1

Drawing

Drawing No. 1 Groundwater Surface Contour Map, November 1, 2010

Appendices

Appendix 1
Appendix 2

Statistical Analyses Worksheets
Laboratory Analytical Reports and Field Data

Appendix 1

Statistical Analyses Worksheets

JEI Project: **Roaring River Landfill - Wilkes County**

Project No: **00356.1001.11**

Task No: **04**

Date: **02-Nov-10**

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)
1	Apr-94	MW-2	398	250
2	Oct-94	MW-2	850	500
3	Apr-95	MW-2	730	500
4	Oct-95	MW-2	ND	500
5	Apr-96	MW-2	ND	500
6	Nov-96	MW-2	ND	500
7	Mar-97	MW-2	ND	500
8	Sep-97	MW-2	ND	500
9	Mar-98	MW-2	508	500
10	Sep-98	MW-2	ND	500
11	Apr-02	MW-2R	ND	500
12	Nov-02	MW-2R	ND	500
13	May-03	MW-2R	ND	500
14	Nov-03	MW-2R	ND	500
15	Apr-04	MW-2R	ND	500
16	Oct-04	MW-2R	ND	500
17	May-05	MW-2R	ND	500
18	Oct-05	MW-2R	ND	500
19	29-Jun-06	MW-2R	ND	500
20	07-Dec-06	MW-2R	ND	100
21	28-Jun-07	MW-2R	11.2	B 100
22	19-Dec-07	MW-2R	7.6	B 100
23	28-Apr-08	MW-2R	11.7	B 100
24	30-Dec-08	MW-2R	12.9	J 100
25	24-Jun-09	MW-2R	9.2	B 100
26	17-Dec-09	MW-2R	7.7	J 100
27	22-Jun-10	MW-2R	4.8	B 100
28	02-Nov-10	MW-13	5.7	B 100
29	Apr-04	MW-17	ND	500
30	Oct-04	MW-17	ND	500
31	May-05	MW-17	ND	500
32	Oct-05	MW-17	ND	500
33	Apr-04	MW-18	ND	500
34	Oct-04	MW-18	ND	500
35	May-05	MW-18	ND	500
36	Oct-05	MW-18	ND	500

Number of Data: 30
Number of Truncated Data: 24
Percentage of Truncated Data: 80%

Non-parametric Prediction Interval: 850

- All concentrations in micrograms per liter.
- Blank qualified data not used in statistical calculations.
- ND = Non-detect

JEI Project: **Roaring River Landfill - Wilkes County**
 Project No: **00356.1001.11**
 Task No: **04**
 Date: **2-Nov-10**

Analyte: **Zinc**

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	Apr-94	MW-2	213		20
2	Oct-94	MW-2	995		50
3	Apr-95	MW-2	821		50
4	Oct-95	MW-2	ND		50
5	Apr-96	MW-2	622		50
6	Nov-96	MW-2	546		50
7	Mar-97	MW-2	313		50
8	Sep-97	MW-2	382		50
9	Mar-98	MW-2	267		50
10	Sep-98	MW-2	256		50
11	Apr-02	MW-2R	ND		50
12	Nov-02	MW-2R	ND		50
13	May-03	MW-2R	ND		50
14	Nov-03	MW-2R	ND		50
15	Apr-04	MW-2R	ND		50
16	Oct-04	MW-2R	ND		50
17	May-05	MW-2R	ND		50
18	Oct-05	MW-2R	138		50
19	29-Jun-06	MW-2R	ND		50
20	07-Dec-06	MW-2R	ND		10
21	28-Jun-07	MW-2R	12.4		10.0
22	19-Dec-07	MW-2R	15.0	B	10.0
23	28-Apr-08	MW-2R	15.5		10.0
24	30-Dec-08	MW-2R	ND		10.0
25	24-Jun-09	MW-2R	45.5	B	10.0
26	17-Dec-09	MW-2R	7.7	J	10.0
27	22-Jun-10	MW-2R	ND		10.0
28	02-Nov-10	MW-13	23.3	B	10.0
29	Apr-04	MW-17	ND		50
30	Oct-04	MW-17	ND		50
31	May-05	MW-17	ND		50
32	Oct-05	MW-17	ND		50
33	Apr-04	MW-18	ND		50
34	Oct-04	MW-18	ND		50
35	May-05	MW-18	50		50
36	Oct-05	MW-18	ND		50

Number of Data: 33
 Number of Truncated Data: 19
 Percentage of Truncated Data: 58%

Non-parametric Prediction Interval: 995

- All concentrations in micrograms per liter.
- Blank qualified data not used in statistical calculations.
- ND = Non-detect

Appendix 2

Laboratory Analytical Reports and Field Data

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW13	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW13	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	12/03/2010	34
97-04	9704-MW13	7440-39-3	15	Barium	5.7	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-41-7	23	Beryllium	0.3	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	744-43-9	34	Cadmium	0.2	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-47-3	51	Chromium	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-48-4	53	Cobalt	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-02-0	152	Nickel	2.3	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW13	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW13	7440-62-2	209	Vanadium	2.5	ug/L	J	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW13	7440-66-6	213	Zinc	23.3	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34

RAL Sample #: 687846

N/A = Not Applicable

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NC DENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW6	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW6	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-39-3	15	Barium	113	ug/L		SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-41-7	23	Beryllium	0.4	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	744-43-9	34	Cadmium	0.4	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-47-3	51	Chromium	2.8	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-48-4	53	Cobalt	3.3	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7439-92-1	131	Lead	2.5	ug/L	J	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-02-0	152	Nickel	3.1	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW6	7440-62-2	209	Vanadium	3.6	ug/L	J	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW6	7440-66-6	213	Zinc	22.0	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34

RAL Sample #: 687847

N/A = Not Applicable

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NC DENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW7	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW7	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-39-3	15	Barium	407	ug/L		SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-41-7	23	Beryllium	0.2	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	744-43-9	34	Cadmium	0.5	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-47-3	51	Chromium	9.6	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-48-4	53	Cobalt	1.3	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-02-0	152	Nickel	3.4	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-28-0	194	Thallium	3.0	ug/L	J	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW7	7440-62-2	209	Vanadium	25.0	ug/L	U	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW7	7440-66-6	213	Zinc	42.4	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34

RAL Sample #: 687848

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW9	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW9	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-39-3	15	Barium	72.1	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-41-7	23	Beryllium	0.6	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	744-43-9	34	Cadmium	0.3	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-47-3	51	Chromium	1.7	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-48-4	53	Cobalt	4.2	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-02-0	152	Nickel	5.4	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-22-4	184	Silver	1.8	ug/L	J	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-28-0	194	Thallium	3.5	ug/L	J	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW9	7440-62-2	209	Vanadium	2.0	ug/L	J	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW9	7440-66-6	213	Zinc	41.9	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34

RAL Sample #: 687849

N/A = Not Applicable

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW12D	7440-36-0	13	Antimony	1.9	ug/L	J	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW12D	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-39-3	15	Barium	10.2	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-41-7	23	Beryllium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	744-43-9	34	Cadmium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-47-3	51	Chromium	0.8	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-48-4	53	Cobalt	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-50-8	54	Copper	9.3	ug/L	J	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-02-0	152	Nickel	10.0	ug/L	U	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW12D	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW12D	7440-62-2	209	Vanadium	9.8	ug/L	J	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW12D	7440-66-6	213	Zinc	7.0	ug/L	J	SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687850

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-Duplicate	7440-36-0	13	Antimony	1.8	ug/L	J	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-Duplicate	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-39-3	15	Barium	6.8	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-41-7	23	Beryllium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	744-43-9	34	Cadmium	0.5	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-47-3	51	Chromium	1.6	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-48-4	53	Cobalt	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-50-8	54	Copper	3.0	ug/L	J	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-02-0	152	Nickel	1.3	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-Duplicate	7440-62-2	209	Vanadium	8.8	ug/L	J	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Duplicate	7440-66-6	213	Zinc	8.3	ug/L	J	SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687853

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW17	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW17	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-39-3	15	Barium	44.2	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-41-7	23	Beryllium	0.5	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	744-43-9	34	Cadmium	0.2	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-47-3	51	Chromium	0.9	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-48-4	53	Cobalt	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-02-0	152	Nickel	1.6	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-22-4	184	Silver	2.4	ug/L	J	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW17	7440-62-2	209	Vanadium	0.6	ug/L	J	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW17	7440-66-6	213	Zinc	23.3	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NC DENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687851

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW18	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-MW18	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-39-3	15	Barium	36.0	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-41-7	23	Beryllium	0.5	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	744-43-9	34	Cadmium	0.3	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-47-3	51	Chromium	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-48-4	53	Cobalt	1.2	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-02-0	152	Nickel	1.7	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-MW18	7440-62-2	209	Vanadium	25.0	ug/L	U	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-MW18	7440-66-6	213	Zinc	15.0	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34

RAL Sample #: 687852

N/A = Not Applicable

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µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-TB	7440-36-0	13	Antimony	1.8	ug/L	J	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-TB	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-39-3	15	Barium	12.1	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-41-7	23	Beryllium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	744-43-9	34	Cadmium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-47-3	51	Chromium	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-48-4	53	Cobalt	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-50-8	54	Copper	2.4	ug/L	J	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-02-0	152	Nickel	50.0	ug/L	U	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-TB	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-TB	7440-62-2	209	Vanadium	25.0	ug/L	U	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-TB	7440-66-6	213	Zinc	11.5	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34

RAL Sample #: 687854

N/A = Not Applicable

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J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County- Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-FB	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-FB	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	12/03/2010	34
97-04	9704-FB	7440-39-3	15	Barium	15.7	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-41-7	23	Beryllium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	744-43-9	34	Cadmium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-47-3	51	Chromium	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-48-4	53	Cobalt	10.0	ug/L	U	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-50-8	54	Copper	10.0	ug/L	U	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7439-92-1	131	Lead	10.0	ug/L	U	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-02-0	152	Nickel	50.0	ug/L	U	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-FB	7440-62-2	209	Vanadium	25.0	ug/L	U	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-FB	7440-66-6	213	Zinc	15.4	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	12/02/2010	34

RAL Sample #: 687855

N/A = Not Applicable

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J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NC DENR.

B = Lab blank contamination.

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Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW13	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	108-88-3	196	Toluene	3.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW13	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687846

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW6	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW6	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDEMR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAI Sample #: 687847

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW7	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	79-09-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW7	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

ug/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687848

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW9	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW9	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDEMR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687849

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW12D	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW12D	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687850

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-Duplicate	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	79-34-5	191	1,1,1,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Duplicate	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687853

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW17	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	79-34-5	191	1,1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW17	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687851

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-MW18	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	74-88-4	142	Methyl iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-MW18	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687852

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-TB	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-TB	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687854

N/A = Not Applicable

Wilkes County- Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-FB	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-FB	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687855

N/A = Not Applicable

Wilkes County - Roaring River - Leachate - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTION DATE	EXTRACTION DATE	ANALYSIS DATE	NC Laboratory Certification Number
97-04	9704-Leachate	7440-36-0	13	Antimony	6.0	ug/L	U	SW846 7010	1.2	3.0	6.0	1	11/02/2010	11/03/2010	12/02/2010	34
97-04	9704-Leachate	7440-38-2	14	Arsenic	10.0	ug/L	U	SW846 6010C	5.5	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-39-3	15	Barium	55.5	ug/L	J	SW846 6010C	1.1	40.0	100	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-41-7	23	Beryllium	0.3	ug/L	J	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	744-43-9	34	Cadmium	1.0	ug/L	U	SW846 6010C	0.2	1.0	1.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-47-3	51	Chromium	3.0	ug/L	J	SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-48-4	53	Cobalt	20.2	ug/L		SW846 6010C	0.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-50-8	54	Copper	5.7	ug/L	J	SW846 6010C	2.0	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7439-92-1	131	Lead	2.4	ug/L	J	SW846 6010C	2.0	5.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-02-0	152	Nickel	49.4	ug/L	J	SW846 6010C	0.6	10.0	50.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7782-49-2	183	Selenium	10.0	ug/L	U	SW846 6010C	6.3	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-22-4	184	Silver	10.0	ug/L	U	SW846 6010C	1.1	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-28-0	194	Thallium	5.5	ug/L	U	SW846 6010C	2.7	5.0	5.5	1	11/02/2010	11/03/2010	12/08/2010	34
97-04	9704-Leachate	7440-62-2	209	Vanadium	25.0	ug/L	U	SW846 6010C	0.4	10.0	25.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7440-66-6	213	Zinc	43.9	ug/L		SW846 6010C	2.7	10.0	10.0	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7439-96-5	342	Manganese	160	ug/L		SW846 6010C	0.2	10.0	NE	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7439-98-7	397	Molybdenum	245	ug/L		SW846 6010C	1.3	10.0	NE	1	11/02/2010	11/03/2010	11/23/2010	34
97-04	9704-Leachate	7439-97-6	132	Mercury	0.07	ug/L	J	EPA 245.1	0.01	10.0	0.2	1	11/02/2010	11/03/2010	11/08/2010	34
97-04	9704-Leachate	SW316	316	BOD	30.0	mg/L	U	SM5210B	2.0	2.0	NE	1	11/02/2010	11/03/2010	11/03/2010	34
97-04	9704-Leachate	NE	NE	Oil & Grease	5.0	mg/L	U	EPA 1664	5.0	5.0	NE	1	11/02/2010	11/03/2010	11/15/2010	34
97-04	9704-Leachate	57-12-5	58	Cyanide	5.0	ug/L	U	SM4500 CN E	5.0	5.0	10.0	1	11/02/2010	11/03/2010	11/03/2010	34
97-04	9704-Leachate	SW343	343	TSS	86.0	mg/L		SM2540D	1.0	1.0	NE	1	11/02/2010	11/03/2010	11/07/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

µg/L = micrograms per Liter = parts per billion (ppb)

RAI Sample #: 687856

N/A = Not Applicable

Wilkes County - Roaring River -Leachate - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECTI ON DATE	EXTRACTI ON DATE	ANALYSIS DATE	NC Laboratory Certificatio n Number
97-04	9704-Leachate	75-09-2	140	Methylene Chloride	1.0	ug/L	U	SW846 8260B	0.6	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	SW846 8260B	0.2	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	67-66-3	44	Chloroform	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	79-01-6	201	Trichloroethene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	124-48-1	66	Dibromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	79-00-5	202	1,1,2-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	108-90-7	39	Chlorobenzene	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	71-43-2	16	Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-25-2	30	Bromoform	3.0	ug/L	U	SW846 8260B	0.3	1.0	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	79-34-5	191	1,1,2,2-Tetrachloroethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	108-88-3	196	Toluene	1.0	ug/L	U	SW846 8260B	0.3	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	74-87-3	137	Chloromethane	1.0	ug/L	U	SW846 8260B	0.1	1.0	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	74-83-9	136	Bromomethane	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-00-3	41	Chloroethane	10.0	ug/L	U	SW846 8260B	0.1	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	67-64-1	3	Acetone	100	ug/L	U	SW846 8260B	1.2	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	75-15-0	35	Carbon Disulfide	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	SW846 8260B	0.2	1.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	78-93-3	141	2-Butanone	100	ug/L	U	SW846 8260B	0.9	25	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	SW846 8260B	1.0	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	591-78-6	124	2-Hexanone	50.0	ug/L	U	SW846 8260B	1.4	5.0	50.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	100-42-5	186	Styrene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	1330-20-7	346	Total Xylenes	5.0	ug/L	U	SW846 8260B	0.3	1.0	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	107-13-1	8	Acrylonitrile	200	ug/L	U	SW846 8260B	12.4	100	200	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	SW846 8260B	0.5	5.0	100	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	74-88-4	142	Methyl Iodide	10.0	ug/L	U	SW846 8260B	0.2	1.0	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	74-97-5	28	Bromochloromethane	3.0	ug/L	U	SW846 8260B	0.1	0.5	3.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	74-95-3	139	Dibromomethane	10.0	ug/L	U	SW846 8260B	0.3	0.5	10.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	SW846 8260B	0.1	0.5	5.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	SW846 8260B	0.1	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	13.0	ug/L	U	SW846 8260B	0.5	5.0	13.0	1	11/02/2010	N/A	11/10/2010	34
97-04	9704-Leachate	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	SW846 8260B	0.2	0.5	1.0	1	11/02/2010	N/A	11/10/2010	34

U = Not detected.

J = Concentrations that are detected below the SWSLs. These concentrations are considered "estimated" per NCDENR.

B = Lab blank contamination.

ug/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 687856

N/A = Not Applicable

GROUNDWATER MONITORING FIELD LOG

Personnel Present:

Comments:

Facility Wilkes County
Roaring River Landfill

November 1, 2010

Glenn Price

Weather _____

Date

FB @ 1010

Monitoring Well No.	MW-13	MW-2R	MW-5	MW-6	MW-7	MW-9	MW-12S	MW-12D	MW-17	MW-18	Leachate	MW-8	MW-10
Total Depth (FT.)	84.00	116.00	38.11	37.60	41.77	37.57	104.00	134.00	24.63	46.85		58.50	76.75
Surface Depth (FT.)	54.59	<i>Abandoned</i>	37.21	33.03	38.51	27.69	101.98	102.02	19.83	31.53		Well Filled @ 40 ft	76.48
Water Depth (FT.)	29.41		0.90	4.57	3.26	9.88	2.02	31.98	4.80	15.32			0.27
Diameter (IN.)	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"			2"
Conversion Factor	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16			0.16
Well Volume (GAL.)	4.71		0.14	0.73	0.52	1.58	0.32	5.11	0.77	2.45			0.04
Volume (GAL.) X 3	14.12		<i>Well Dry</i>	2.19	1.56	4.74	<i>Well Dry</i>	15.35	2.30	7.35			Well Dry
# Bails (L)	57			9	7	19		62	10	30			
Purge Date	11/01/10	11/01/10	11/01/10	11/01/10	11/01/10	11/01/10	11/01/10	11/01/10	11/01/10	11/01/10			
Purge Time (hrs.)	0830			1137	1100	1118		0930	1046	1007			
Purge Method	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer			
Volume Removed (GAL.)	10.50 gals			0.75-Dry	0.50-Dry	4.75-Dry		9.50-Dry	1.50-Dry	7.50			
Sampling Date	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10	11/02/10		
Sampling Time (hrs.)	0820			1000	0925	0950		0914	0900	0843	0938		
Sampling Method	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Grab		
pH (Standard Units)	5.99			5.98	5.69	6.74		8.99	5.91	6.01	7.22		
Temperature (EC)	13.9			13.7	14.6	13.3		14.6	13.1	13.3	11.9		
Conductivity (µmhos/cm)	86.1			30.6	188	38.4		39.8	30.6	21.2	4410		
Dissolved Oxygen (mg/L)													
Observations/Sampling	Clear			Slightly Turbid	Clear	Slightly Turbid		Clear	Clear	Clear	Light Green		



Quality Control Summary Results for Project Identified as Roaring River Landfill (A Wilkes County Project, 02 November 2010)

Inorganics Appendix I Parameter	Prep-Blank (ug/L)	ICV Recovery %	CCV Recovery %	LCS Recovery %	Spike Recovery %	% Difference
Arsenic	BDL	100	101	105	79	1
			103			
Antimony	BDL	94	90	85	100	15
			100			
			92			
Barium	BDL	100	105	106	89	2
			105			
Beryllium	BDL	103	103	105	90	4
			105			
Cadmium	BDL	98	103	103	86	3
			103			
Chromium	BDL	96	102	102	85	3
			102			
Cobalt	BDL	97	104	104	87	3
			104			
Copper	BDL	102	101	95	82	6
			101			
Lead	BDL	96	103	104	86	3
			103			
Nickel	BDL	97	104	104	87	3
			103			
Selenium	BDL	104	103	112	79	3
			104			
Silver	BDL	94	103	107	72	5
			103			
Thallium	BDL	106	98	91	92	6
			100			
Vanadium	BDL	103	105	102	87	3
			104			
Zinc	8.0 J	98	102	110	92	5
			103			

COMMENTS: 687846-856

% = Percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

N/A = Not Available

*** Post Spike**



Quality Control Summary Results for Project Identified as Roaring River Landfill (A Wilkes County Project, 02 November 2010)

Volatile Organics EPA Method 8260 Parameter	Method Blank (mg/L)	Matrix Spike % Recovery	Spike Duplicate % Recovery	Quality Control Limits	Analyst
Methylene Chloride	ND	N/A	N/A	N/A	NM
Trichlorofluoromethane	ND	N/A	N/A	N/A	NM
1,1-Dichloroethene	ND	100	99	61-145	NM
1,1-Dichloroethane	ND	N/A	N/A	N/A	NM
Chloroform	ND	N/A	N/A	N/A	NM
Carbon Tetrachloride	ND	N/A	N/A	N/A	NM
1,2-Dichloropropane	ND	N/A	N/A	N/A	NM
Trichloroethene	ND	101	100	71-120	NM
Dibromochloromethane	ND	N/A	N/A	N/A	NM
1,1,2-Trichloroethane	ND	N/A	N/A	N/A	NM
Tetrachloroethene	ND	N/A	N/A	N/A	NM
Chlorobenzene	ND	91	92	75-130	NM
Trans-1,2-Dichloroethene	ND	N/A	N/A	N/A	NM
1,2-Dichloroethane	ND	N/A	N/A	N/A	NM
1,1,1-Trichloroethane	ND	N/A	N/A	N/A	NM
Bromodichloromethane	ND	N/A	N/A	N/A	NM
Cis-1,3-Dichloropropene	ND	N/A	N/A	N/A	NM
Benzene	ND	99	99	76-127	NM
Trans-1,3-Dichloropropene	ND	N/A	N/A	N/A	NM
Bromoform	ND	N/A	N/A	N/A	NM
1,1,1,2-Tetrachloroethane	ND	N/A	N/A	N/A	NM
Toluene	ND	90	90	76-125	NM
Ethyl Benzene	ND	N/A	N/A	N/A	NM
Chloromethane	ND	N/A	N/A	N/A	NM
Bromomethane	ND	N/A	N/A	N/A	NM
Vinyl Chloride	ND	N/A	N/A	N/A	NM
Chloroethane	ND	N/A	N/A	N/A	NM
Acetone	ND	N/A	N/A	N/A	NM
Carbon Disulfide	ND	N/A	N/A	N/A	NM
Vinyl Acetate	ND	N/A	N/A	N/A	NM
2-Butanone	ND	N/A	N/A	N/A	NM
4-Methyl-2-Pentanone	ND	N/A	N/A	N/A	NM
2-Hexanone	ND	N/A	N/A	N/A	NM
Styrene	ND	N/A	N/A	N/A	NM
Total Xylenes	ND	N/A	N/A	N/A	NM
Acrylonitrile	ND	N/A	N/A	N/A	NM
1,2-Dichlorobenzene	ND	N/A	N/A	N/A	NM
1,4-Dichlorobenzene	ND	N/A	N/A	N/A	NM
Trans-1,4-Dichloro-2-butene	ND	N/A	N/A	N/A	NM
Cis-1,2-Dichloroethene	ND	N/A	N/A	N/A	NM
Methyl Iodide	ND	N/A	N/A	N/A	NM
Bromochloromethane	ND	N/A	N/A	N/A	NM
Dibromomethane	ND	N/A	N/A	N/A	NM
1,1,1,2-Tetrachloroethane	ND	N/A	N/A	N/A	NM
1,2,3-Trichloropropane	ND	N/A	N/A	N/A	NM
1,2-Dibromo-3-Chloropropane(DBCP)	ND	N/A	N/A	N/A	NM
1,2-Dibromoethane (EDB)	ND	N/A	N/A	N/A	NM

COMMENTS:

Corresponding Samples: 687846-856

% = Percent

ND = Non Detected

N/A = Not Available

