Prepared for:

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

JEI Project Number 356.07, Task 34

SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2007 WILKES COUNTY, NC - ROARING RIVER LANDFILL PERMIT NUMBER 97-04

May 2008

Prepared by:

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Joyce Engineering, Inc.

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

Name: Jeremey 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)
Wilkes County - Roaring River Landfill	NC Highway 268 East Roaring River, NC 28669	97-04	.1600	December 19, 2007

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

☒ No. No groundwater or surface water standards or explosive methane gas limits 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.

Jeremey J. Kerly	Project Consultant	(336) 323-0092
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature 5-9-08 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2097 GEOLOGIST JEREMEY JOHN KERLY

Revised 10/2006

Second Semiannual Groundwater Monitoring Report of 2007
Wilkes County, NC – Roaring River Landfill
Permit Number 97-04

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1.0 Introduction

This report summarizes the monitoring results from the second semiannual sampling event at the Wilkes County Roaring River Landfill in Wilkes County, North Carolina, which occurred on December 19, 2007 for groundwater and leachate in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.1632. The facility, which is an active municipal solid waste landfill, is maintained and operated by Wilkes County under Permit Number 97-04 issued by the North Carolina Department of Environment and Natural Resources (DENR).

Facility background concentrations for inorganic constituents were calculated based on the data from April 1994 through December 2007. Background values for detected organics and inorganic constituents are shown in the *Statistical Analyses* section. Methods used to calculate the backgrounds are described in Section 4.0 of this report. There were no statically significant increases of organic or inorganic constituents for the December 2007 monitoring event. Also, no organic constituents were reported to be present above laboratory reporting limits in any of the wells during this event. Samples were not able to be recovered from MW-5, MW-6, MW-7, MW-10, MW-12S, and MW-18 during this sampling event due to drought related low water columns and recharge.

1.1 Site Information

The Wilkes County Roaring River Landfill is owned and operated by Wilkes County. 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 site is comprised of 3 cells, with Cell 3 construction completed January 2006. The landfill facility boundary includes most of the area between the disposal cells and the Yadkin River. A leachate lagoon is located southwest of the approximately 12-acre lined area.

1.2 Groundwater Monitoring Network

The site has been monitored in accordance with Detection Monitoring requirements since February 1994. To date, twenty-eight semiannual sampling events have been conducted for the groundwater monitoring wells. The leachate is also sampled semiannually and the results are included in the *Laboratory Reports* section.

The monitoring well network is shown on Drawing No. 1. Monitoring well MW-2R is the upgradient background monitoring well for the facility. This well replaced former background monitoring well MW-2, which 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. Wells MW-17 and MW-18 were installed during the Design Hydrogeologic Investigation for Phase 3/4 and were incorporated into the facility network after the June 2006 approval of the revised Groundwater Monitoring Plan.

2.0 Site Hydrogeology

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 December 2007 sampling event.

Estimated horizontal groundwater gradients from the December 2007 groundwater levels are presented in Table 2. The average horizontal gradient is approximately 0.065 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.

The average estimated linear groundwater flow velocity for the site is approximately 82.00 ft/year (Table 2). This falls within the range of historical estimates for groundwater flow velocities at this site. However, the linear velocity equation and resulting rates make the simplified assumptions of a homogeneous and isotropic aquifer. This equation can grossly overestimate velocity when applied to heterogeneous and/or anisotropic conditions, such as in the bedrock wells used for gradient estimates 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.

3.0 Results of Laboratory Analysis

Research and Analytical Laboratories, Inc. (RAL) personnel collected the groundwater, surface water, and leachate samples on December 19, 2007. RAL personnel measured the water quality indicator parameters pH, temperature and conductivity in the field during purging and just prior to sample collection. The December 2007 samples were also analyzed by RAL.

The detected constituents for the December 2007 sampling event are included in Table 3 and discussed in detail below. Field indicator parameters are summarized in Table 4. The results, as reported by the laboratory, laboratory quality assurance/quality control information, and the chain of custody records are included in the *Laboratory Reports and Field Data* section.

4.0 Statistical Procedures

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.

4.1 Background Data

Monitoring well MW-2R 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.

4.2 Statistical Methods

The data 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. The results of the statistical analyses are summarized in the *Statistical Analyses* section, and are discussed in Section 5.0 of this report. Detailed results of each statistical analysis are also presented in the *Statistical Analyses* section. To clearly document these tests, individual tests are presented on each page. Background data are determined by tests for normality, outliers, Aitchison's adjustment, and/or parametric tolerance interval, as appropriate based on the data. For each set of data, all parameters used to calculate the test statistic are presented beneath the raw data. The result of the test and any comments relating to quality assurance are presented at the bottom of the page.

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. These methods and the criteria for their use are discussed below.

4.2.1 Treatment of Censored Data

Generally, the laboratory limit of detection (DL) and limit of quantitation (QL) are known and background data are censored as follows. When less than or equal to 15% or greater than 90% of the background data values are less than the DL, any data reported less than the DL will be treated as one-half the DL.

4.2.2 Assumption of Normality

Prior to conducting statistical tests that are based on the assumption of normally distributed data, normality of the background data is evaluated using the Shapiro-Wilk statistic (W). Normality is assessed at the 95% confidence level. In the event that the raw data fail to follow a normal distribution, the data are transformed using a base-10 logarithm. The transformed data are then tested for normality using the Shapiro-Wilk statistic. In the event that the log-transformed data also fail to follow a normal distribution, a non-parametric approach is applied.

4.2.3 Parametric Upper Tolerance Limit

In those cases where the background data consist of a minimum of eight independent data values and less than or equal to 15% of the background data values are less than the DL and/or QL for a given analyte, the downgradient values are compared to the parametric upper tolerance limit in accordance with the procedure summarized in the USEPA guidance documents, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance* (April 1989) and *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

4.2.4 Aitchison's Adjusted Parametric Tolerance Limit

When the background data consist of a minimum of eight independent data values and more than 15%, but less than or equal to 50%, of the background data values are less than the DL and/or QL for a given analyte, the mean and standard deviation are adjusted in accordance with the procedure described by Aitchison (1955) and summarized in the USEPA guidance document, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992). After the adjustments are made, the downgradient values are compared to the Aitchison's adjusted parametric upper tolerance limit in accordance with the procedures summarized in the USEPA guidance documents, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance* (April 1989) and *Statistical Analysis of*

Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance (July 1992).

4.2.5 Non-parametric Upper Tolerance Limit

In those cases where more than 50%, but less than or equal to 90%, of the background data values are less than the DL for a given analyte or the background data fail to follow a normal or log-normal distribution, downgradient values are compared to the non-parametric upper tolerance limit. These comparisons are made in accordance with the procedures summarized in the USEPA guidance documents, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance* (April 1989) and *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

4.2.6 Poisson Upper Prediction Limit

In those cases where more than 90% of the background data values are less than the DL for a given analyte, then the downgradient values are compared to the Poisson upper prediction limit. This is done in accordance with the procedure summarized in the USEPA guidance document, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

5.0 December 2007 Statistical Results

There were no statistically significant increases for the detected inorganic constituents during the December 19, 2007 sampling event. One organic constituent (carbon disulfide) were reported above its respective detection limits in two monitoring wells, but the detection is not considered to be statistically significant.

6.0 December 2007 Sampling Results

Samples were not able to be recovered from MW-5, MW-6, MW-7, MW-10, and MW-18 during December 2007 sampling event due drought related low water columns and recharge. RAL personnel were also unable to recover samples from MW-12S by bailer. The following table shows constituents were detected during the second semiannual sampling event of 2007. All constituents are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be J-flagged and the detection is considered to be estimated. Concentrations with a "B" are considered to B-flagged and the detection is considered to lab or field contamination. NC 2L Standards with an "*" are based on the Groundwater Protection Standards.

Constituent	NC2L/ GWPS	MW-2R	MW-8	MW-9	MW-12D	MW-17	Blanks
Antimony	1.4*	2.0 J	ND	ND (1.2 J)	3.1 J	ND	ND
Barium	2000	7.6 B	9.8 B	60.5 B (60.3 B)	3.0 B	104	24.9 J
Beryllium	4*	ND	ND	0.3 J (ND)	ND	ND	ND
Cadmium	1.8	0.2 J	1.4	ND (1.3)	1.2	0.6 J	ND
Chromium	50	ND	ND	1.6 J (1.8 J)	0.8 J	2.2 J	ND
Cobalt	70*	ND	ND	2.8 J (2.8 J)	ND	1.3 J	ND
Copper	1000	3.0 B	ND	2.1 B (3.8 B)	2.4 B	2.3 B	2.6 J
Lead	15.0	ND	2.3 J	2.9 J (3.7 J)	2.7 J	2.0 J	ND
Nickel	100	1.8 J	6.0 J	4.4 J (6.8 J)	ND	1.4 J	ND
Silver	17.5	ND	ND	ND (ND)	ND	ND	1.5 J
Vanadium	3.5*	2.3 J	ND	1.2 J (1.8 J)	9.0 J	3.3 J	ND
Zinc	1050	15.0 B	18.9 B	44.0 (59.0)	8.9 B	32.5	5.4 J
Carbon Disulfide	700	0.65 J	ND	ND (ND)	1.29 J	ND	ND

None of the constituents, organic and inorganic, were detected at quantified concentrations above their NC 2L or Groundwater Protection Standards for the December 2007 sampling event.

7.0 Conclusion

No organic or inorganic constituents were detected above their respective NC 2L Standards or considered to be statistically significant increase over background concentrations. Therefore, the results of the Second Semiannual Groundwater Monitoring event of 2007 indicate that the Wilkes County Roaring River Landfill shall remain in detection monitoring. The next semiannual event is scheduled for the second quarter of 2008.

Tables

Table 1 Summary of Groundwater Elevations
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TABLE 1

Summary of Groundwater Elevations

WATER LEVEL ELEVATION: FEET ABOVE MEAN SEA LEVEL											
Well No.	MW-2R	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-12S	MW-12D	MW-17	MW-18
TOC Elev.	1118.10	996.15	981.01	984.08	984.46	971.89	1024.10	1052.79	1052.89	986.68	1026.49
Oct-94	NI	966.74	949.27	947.37	948.60	943.17	NI	NI	NI	NI	NI
Apr-95	NI	966.73	949.01	946.65	948.07	943.08	NI	NI	NI	NI	NI
Oct-95	NI	967.05	948.73	946.67	947.85	943.24	NI	NI	NI	NI	NI
Apr-96	NI	968.15	950.20	947.21	948.46	943.34	NI	NI	NI	NI	NI
Nov-96	NI	967.40	949.28	946.75	947.96	943.36	NI	NI	NI	NI	NI
Mar-97	NI	968.14	951.06	947.61	948.99	944.23	NI	NI	NI	NI	NI
Sep-97	NI	966.55	948.88	947.07	951.62	943.81	NI	NI	NI	NI	NI
Mar-98	NI	969.55	949.61	946.98	948.34	944.19	NI	NI	NI	NI	NI
Sep-98	NI	967.92	950.09	947.36	948.57	943.43	956.95	NI	NI	NI	NI
Oct-98	NI	967.13	948.76	946.77	947.98	943.37	956.08	NI	NI	NI	NI
Nov-98	NI	966.53	947.76	946.33	947.68	943.64	955.13	NI	NI	NI	NI
Dec-98	NI	966.20	947.24	946.08	947.35	942.29	954.56	NI	NI	NI	NI
Feb-99	NI	968.43	947.79	946.31	947.61	943.77	953.18	NI	NI	NI	NI
Apr-99	NI	967.89	948.44	946.36	947.61	943.34	952.93	NI	NI	NI	NI
Sep-99	NI	965.54	946.43	945.33	946.50	942.86	NA	NI	NI	NI	NI
Apr-00	NI	965.71	945.72	945.34	947.85	943.31	951.29	958.39	958.38	NI	NI
Sep-00	NI	964.15	945.49	945.20	946.52	943.43	949.79	956.37	956.58	NI	NI
Mar-01	NI	964.30	944.87	944.86	946.21	943.49	948.39	954.38	954.56	NI	NI
Oct-01	NI	960.32	944.79	944.15	945.46	943.49	947.56	954.05	953.23	NI	NI
Apr-02	1018.99	961.64	946.59	944.28	945.71	943.38	947.40	952.78	949.37	NI	NI
Nov-02	1032.21	961.81	946.92	943.07	946.25	943.90	947.40	949.98	946.52	NI	NI
May-03	1037.34	964.50	951.47	946.87	948.19	944.07	947.43	951.89	944.49	NI	NI
Nov-03	1041.84	962.60	950.27	946.77	948.05	943.42	948.66	955.89	954.78	NI	NI
Apr-04	1041.41	963.52	948.59	946.70	947.51	943.88	948.54	954.92	954.11	967.57	995.90
May-04	-	-	-	-	947.34	-	-	-	-	-	-
Oct-04	1041.53	962.11	947.33	945.43	945.76	943.68	950.62	954.06	954.41	967.30	995.49
May-05	1041.82	963.19	949.53	946.57	946.85	943.96	948.89	954.14	954.73	967.46	987.81
Oct-05	1042.35	960.87	945.83	945.05	945.27	943.51	948.62	954.36	953.60	967.19	993.87
Jun-06	1030.65	958.18	943.61	944.08	944.52	946.31	948.21	952.45	952.55	963.04	991.49
Dec-06	1039.79	959.85	943.41	944.43	944.76	943.76	-	951.34	951.34	962.05	992.24
Jun-07	1040.52	959.61	943.41	944.40	944.82	942.93	947.61	951.35	951.38	966.53	979.73
Dec-07	1038.71	958.68	943.41	942.46	942.74	941.34	947.61	949.72	930.89	966.68	979.73
MAX	1042.35	969.55	951.47	947.61	951.62	946.31	956.95	958.39	958.38	967.57	995.90
MIN	1018.99	958.18	943.41	942.46	942.74	941.34	947.40	949.72	930.89	962.05	979.73

NOTES:

1. - = Data not available
2. NI = Well not installed
3. Elevations used in the construction of the Groundwater Surface Contour Map (Drawing No. 1) were measured on October 20, 2004.
4. Well MW-2 was abandoned on April 8, 2002 and replaced with MW-2R.

TABLE 2

Estimated Hydraulic Gradients and Linear Flow Velocities

GRADIENT CALCULATION SEGMENT	HYDRAULIC CONDUCTIVITY (K, cm/s)	EFFECTIVE POROSITY (%)	GRADIENT SEGMENT LENGTH (ft)	FLOW DIRECTION	June 2007 Groundwater Elevations		
					Elevation (ft, MSL)	Gradient (i,ft/ft)	Velocity (v,ft/yr)
i_1	1.9E-04	16	639	W-SW	1010 970	0.063	78.94
i_2	1.9E-04	16	1263	SW	1020 950	0.055	69.84
i_3	1.9E-04	16	1167	S-SE	1030 940	0.077	97.22
					Average:	0.065	82.00

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 Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)														
		DL	RL	MW-2	MW-2R	MW-5	MW-6	MW-7	MW-8	MW-9	MW-12S	MW-12D	MW-17	MW-18	Leachate	Blanks
Antimony	Jun-07	1.2	6.0	-	ND	ND	-	ND	ND	ND	-	2.4 B (2.9B)	ND	-	ND	4.5
[1.4]	Dec-07	1.2	6.0	-	2.0 J	-	-	-	ND	ND (1.2 J)	-	3.1 J	ND	-	3.2 J	ND
Barium	Apr-94	-	250	398	-	ND	444	3480	ND	1600	-	-	-	-	-	-
[2000]	Oct-94	-	500	850	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	500	730	-	ND	ND	701	ND	516	-	-	-	-	-	-
	Oct-95	-	500	ND	-	ND	ND	1630	ND	ND	-	-	-	-	-	-
	Apr-96	-	500	ND	-	ND	ND	1650	ND	ND	-	-	-	-	-	-
	Nov-96	-	500	ND	-	ND	ND	1660	ND	ND	-	-	-	-	-	ND
	Mar-97	-	500	ND	-	ND	ND	1440	ND	ND	-	-	-	-	-	ND
	Sep-97	-	500	ND	-	ND	ND	745	ND	ND	-	-	-	-	-	ND
	Mar-98	-	500	508	-	ND	ND	937	ND	ND	-	-	-	-	-	ND
	Sep-98	-	500	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	500	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	500	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	500	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Sep-00	-	500	-	-	ND	665	ND	ND	ND	ND	ND	-	-	-	ND
	Mar-01	-	500	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Jun-01	-	500	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-01	-	500	-	-	ND	ND	526	ND	ND	ND	ND	-	-	-	ND
	Apr-02	-	500	-	ND	ND	ND	554	ND	ND	-	-	-	-	-	ND
	Nov-02	-	500	-	ND	ND	ND	-	ND	ND	-	-	-	-	-	ND
	May-03	-	500	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Nov-03	-	500	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	500	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	500	-	ND	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	500	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	500	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	500	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	500	-	ND	ND	ND	563	ND	ND	ND	ND	ND	649	ND	ND
	Dec-06	-	100	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	103	ND
	Jun-07	1.1	100	-	11.2 B	139	-	560	9.8 B	58.4 J	-	12.3 B (16.5 B)	118	-	57.1 J	5.1
	Dec-07	1.1	100	-	7.6 B	-	-	-	9.8 B	60.5 (60.3 B) B	-	3.0 B	104 B	-	97.0 B	24.9 J
Beryllium	Apr-94	-	5	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
[4]	Oct-94	-	2	28	-	ND	ND	6	ND	4	-	-	-	-	-	-
	Apr-95	-	2	6	-	3	2	2	ND	6	-	-	-	-	-	-
	Oct-95	-	2	2	-	4	2	4	ND	2	-	-	-	-	-	-
	Apr-96	-	2	ND	-	5	3	5	3	3	-	-	-	-	-	-
	Nov-96	-	2	4	-	4	ND	4	ND	3	-	-	-	-	-	ND
	Mar-97	-	2	ND	-	3	ND	3	ND	ND	-	-	-	-	-	ND
	Sep-97	-	2	13	-	4	ND	4	ND	ND	-	-	-	-	-	ND
	Mar-98	-	2	8	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	2	4	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	2	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	2	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	2	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Sep-00	-	2	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Mar-01	-	2	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Oct-01	-	2	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-02	-	2	-	ND	ND	-	ND	ND	ND	-	-	-	-	-	ND
	Nov-02	-	2	-	ND	ND	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Nov-03	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	2	-	ND	ND	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	2	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND
	Dec-06	-	1	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	0.2	1.0	-	ND	ND	-	ND	ND	ND	-	ND	ND	-	ND	ND
	Dec-07	0.2	1.0	-	ND	-	-	-	ND	0.3 (ND) J	-	ND	ND	-	ND	ND
Cadmium	Apr-94	-	2	2	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
[1.75]	Oct-94	-	1	2	-	ND	1	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	1	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-95	-	1	2	-	1	1	ND	ND	1	-	-	-	-	-	-
	Apr-96	-	1	12	-	1	2	4	ND	3	-	-	-	-	-	-
	Nov-96	-	1	17	-	3	2	9	ND	7	-	-	-	-	-	ND
	Mar-97	-	1	18	-	2	8	12	ND	5	-	-	-	-	-	ND
	Sep-97	-	1	13	-	12	ND	3	1	1	-	-	-	-	-	ND
	Mar-98	-	1	2	-	ND	ND	ND	3	ND	-	-	-	-	-	ND
	Sep-98	-	1	2	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	1	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	1	-	-	3.7	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	1	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Sep-00	-	1	-	-	ND	2	ND	ND	3	4	4	-	-	-	ND
	Mar-01	-	1	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Oct-01	-	1	-	-	3	ND	2	ND	2	1	1	-	-	-	ND
	Apr-02	-	1	-	2	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Nov-02	-	1	-	ND	ND	ND	-	ND	ND	-	-	-	-	-	ND
	May-03	-	1	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Nov-03	-	1	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Jan-04	-	1	-	-	-	-	-	-	-	-	-	-	-	-	ND
	Apr-04	-	1	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	1	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	1	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	1	-	1	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
	Oct-05	-	1	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	1	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND
	Dec-06	-	1	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	0.2	1.0	-	ND	ND	-	ND	ND	ND	-	ND (0.3 J)	ND	-	ND	ND
	Dec-07	0.2	1.0	-	0.2 J	-	-	-	1.4	ND (1.3)	-	1.2	0.6 J	-	ND	ND

TABLE 3

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)														
		DL	RL	MW-2	MW-2R	MW-5	MW-6	MW-7	MW-8	MW-9	MW-12S	MW-12D	MW-17	MW-18	Leachate	Blanks
Chromium	Apr-94	-	20	48	-	ND	ND	ND	ND	57	-	-	-	-	-	-
[50]	Oct-94	-	10	406	-	ND	ND	25	ND	26	-	-	-	-	-	-
	Apr-95	-	10	248	-	14	10	18	ND	64	-	-	-	-	-	-
	Oct-95	-	10	10	-	22	141	34	ND	34	-	-	-	-	-	-
	Apr-96	-	10	160	-	20	23	32	ND	32	-	-	-	-	-	-
	Nov-96	-	10	175	-	27	17	40	ND	46	-	-	-	-	-	ND
	Mar-97	-	10	116	-	10	46	35	11	23	-	-	-	-	-	ND
	Sep-97	-	10	127	-	37	ND	14	ND	ND	-	-	-	-	-	ND
	Mar-98	-	10	40	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	10	42	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	10	-	-	ND	ND	ND	ND	11	-	-	-	-	-	ND
	Sep-99	-	10	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	10	-	-	ND	14	ND	ND	ND	23	23	-	-	-	ND
	Sep-00	-	10	-	-	ND	15	ND	ND	11	19	19	-	-	-	-
	Jun-01	-	10	-	-	-	-	-	-	-	-	-	-	-	-	ND
	Oct-01	-	10	-	-	ND	-	ND	ND	ND	16	16	-	-	-	ND
	Apr-02	-	10	-	ND	ND	-	10	ND	21	-	-	-	-	-	ND
	Nov-02	-	10	-	ND	ND	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	10	-	ND	13	17	ND	ND	ND	34	34	-	-	-	ND
	Nov-03	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	10	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND
	Dec-06	-	10	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	0.70	10.0	-	1.1 B	2.9 B	-	2.7 B	2.9 B	1.3 B	-	3.0 B (3.4 B)	5.0 B	-	8.3 B	5.2
	Dec-07	0.7	10.0	-	ND	-	-	-	ND	1.6 (1.8 J) J	-	0.8 J	2.2 J	-	2.7 J	ND
Cobalt	Apr-94	-	50	68	-	ND	ND	ND	ND	220	-	-	-	-	-	-
[70]	Oct-94	-	10	174	-	ND	ND	ND	ND	32	-	-	-	-	-	-
	Apr-95	-	10	148	-	ND	ND	ND	ND	78	-	-	-	-	-	-
	Oct-95	-	10	ND	-	20	74	21	ND	53	-	-	-	-	-	-
	Apr-96	-	10	78	-	27	14	20	ND	48	-	-	-	-	-	-
	Nov-96	-	10	93	-	23	11	23	ND	67	-	-	-	-	-	ND
	Mar-97	-	10	60	-	ND	24	23	ND	26	-	-	-	-	-	ND
	Sep-97	-	10	77	-	24	ND	ND	ND	10	-	-	-	-	-	ND
	Mar-98	-	10	66	-	11	ND	11	ND	14	-	-	-	-	-	ND
	Sep-98	-	10	57	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	10	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	10	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	10	-	-	23	14	ND	ND	16	61	61	-	-	-	ND
	Sep-00	-	10	-	-	21	15	ND	ND	17	57	57	-	-	-	ND
	Mar-01	-	10	-	-	14	-	ND	ND	11	34 (47)	34 (47)	-	-	-	ND
	Jun-01	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-01	-	10	-	-	ND	-	ND	ND	ND	49	49	-	-	-	ND
	Apr-02	-	10	-	ND	ND	-	ND	ND	12	-	-	-	-	-	ND
	Nov-02	-	10	-	ND	13	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	10	-	13	15	16	ND	ND	10	68	68	-	-	-	ND
	Nov-03	-	10	-	ND	ND	17	ND	ND	ND	20	20	-	-	-	ND
	Apr-04	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	10	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND
	Oct-05	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND
	Jun-06	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	12	ND
	Dec-06	-	10	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	13	ND
	Jun-07	0.7	10.0	-	ND	20.1	-	5.0 J	-	1.3 J	-	1.0 J (1.8 J)	2.7 J	-	14.7	ND
	Dec-07	0.7	10.0	-	ND	-	-	-	ND	2.8 (2.8 J) J	-	ND	1.3 J	-	8.7 J	ND
Copper	Apr-94	-	10	85	-	ND	28	31	ND	80	-	-	-	-	-	-
[1000]	Oct-94	-	200	282	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	200	208	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-95	-	200	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-96	-	200	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Nov-96	-	200	225	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-97	-	200	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-97	-	200	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-98	-	200	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	200	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	200	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	200	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	200	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Sep-00	-	200	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Mar-01	-	200	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	-
	Jun-01	-	200	-	-	-	-	-	-	-	-	-	-	-	-	ND
	Oct-01	-	200	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-02	-	200	-	ND	ND	-	ND	ND	ND	-	-	-	-	-	ND
	Nov-02	-	200	-	ND	ND	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Nov-03	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	200	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	200	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-06	-	10	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	2.0	10.0	-	7.6 B	9.2 B	-	7.6 B	9.1 B	4.7 B	-	15.8 B (16.3 B)	8.1 B	-	10.1 B	5.2
	Dec-07	2.0	10.0	-	3.0 B	-	-	-	ND	2.1 (3.8 B) B	-	2.4 B	2.3 B	-	4.4 B	2.6 J

TABLE 3

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)														
		DL	RL	MW-2	MW-2R	MW-5	MW-6	MW-7	MW-8	MW-9	MW-12S	MW-12D	MW-17	MW-18	Leachate	Blanks
Lead [15]	Apr-94	-	5	38	-	15	34	39	5	116	-	-	-	-	-	-
	Oct-94	-	10	106	-	ND	ND	22	ND	24	-	-	-	-	-	-
	Apr-95	-	10	82	-	14	ND	16	ND	48	-	-	-	-	-	-
	Oct-95	-	10	12	-	28	37	33	ND	30	-	-	-	-	-	-
	Apr-96	-	10	38	-	20	24	32	ND	28	-	-	-	-	-	-
	Nov-96	-	10	46	-	27	15	35	ND	37	-	-	-	-	-	ND
	Mar-97	-	10	32	-	ND	45	31	ND	18	-	-	-	-	-	ND
	Sep-97	-	10	43	-	37	12	26	ND	16	-	-	-	-	-	ND
	Mar-98	-	10	67	-	ND	13	ND	ND	26	-	-	-	-	-	ND
	Sep-98	-	10	34	-	ND	11	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	10	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	10	-	-	ND	17	ND	ND	ND	24	24	-	-	-	ND
	Sep-00	-	10	-	-	ND	27	ND	ND	10	31	31	-	-	-	ND
	Mar-01	-	10	-	-	ND	-	ND	ND	ND	11 (15)	11 (15)	-	-	-	ND
	Jun-01	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-01	-	10	-	-	ND	-	ND	ND	ND	24	24	-	-	-	ND
	Apr-02	-	10	-	ND	ND	-	ND	ND	ND	-	-	-	-	-	ND
	Nov-02	-	10	-	ND	ND	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	10	-	ND	ND	20	ND	ND	ND	30	30	-	-	-	ND
	Nov-03	-	10	-	ND	ND	21	ND	ND	ND	11	11	-	-	-	ND
	Apr-04	-	10	-	ND	ND	12	ND	ND	ND	ND	ND	10	ND	-	ND
	May-04	-	10	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND
	Dec-06	-	10	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	2.0	10.0	-	ND	2.0 J	-	4.0 J	ND	ND	-	ND	1.9 J	-	ND	ND
	Dec-07	2.0	10.0	-	ND	-	-	-	2.3 J	2.9 (3.7 J) J	-	2.7 J	2.0 J	-	ND	ND
Manganese [-]	Dec-06	-	5	-	-	-	-	-	-	-	-	-	-	-	848	ND
	Jun-07	0.2	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-
	Dec-07	0.2	-	-	-	-	-	-	-	-	-	-	-	-	333	-
Nickel [100]	Apr-94	-	50	53	-	ND	ND	ND	ND	65	-	-	-	-	-	-
	Oct-94	-	50	323	-	ND	ND	57	ND	ND	-	-	-	-	-	-
	Apr-95	-	50	254	-	ND	ND	ND	ND	94	-	-	-	-	-	-
	Oct-95	-	50	ND	-	ND	132	83	ND	58	-	-	-	-	-	-
	Apr-96	-	50	150	-	ND	ND	78	ND	56	-	-	-	-	-	-
	Nov-96	-	50	180	-	77	ND	100	ND	100	-	-	-	-	-	ND
	Mar-97	-	50	107	-	ND	ND	55	ND	ND	-	-	-	-	-	ND
	Sep-97	-	50	129	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-98	-	50	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	50	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	50	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	50	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Sep-00	-	50	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Mar-01	-	50	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Jun-01	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-01	-	50	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-02	-	50	-	ND	ND	-	ND	ND	ND	-	-	-	-	-	ND
	Nov-02	-	50	-	ND	ND	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Nov-03	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	50	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-06	-	50	-	ND	ND	-	ND	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	0.6	50.0	-	1.8 B	8.2 B	-	5.6 B	3.0 B	4.0 B	-	4.3 B (4.5 B)	4.6 B	-	60.5	5.0
	Dec-07	0.6	50.0	-	1.8 J	-	-	-	6.0 J	4.4 (6.8 J) J	-	ND	1.4 J	-	45.9 J	ND
Silver [17.5]	Dec-07	1.1	10.0	-	ND	-	-	-	ND	ND (ND)	-	ND	ND	-	1.4 B	1.5 J
Vanadium [3.5]	Apr-94	-	80	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-94	-	40	138	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	40	205	-	ND	ND	89	ND	89	-	-	-	-	-	-
	Oct-95	-	40	ND	-	ND	122	150	ND	ND	-	-	-	-	-	-
	Apr-96	-	40	148	-	ND	50	147	ND	ND	-	-	-	-	-	-
	Nov-96	-	40	156	-	40	ND	184	ND	59	-	-	-	-	-	ND
	Mar-97	-	40	101	-	ND	97	152	ND	ND	-	-	-	-	-	ND
	Sep-97	-	40	125	-	49	ND	77	ND	ND	-	-	-	-	-	ND
	Mar-98	-	40	43	-	ND	ND	42	ND	ND	-	-	-	-	-	ND
	Sep-98	-	40	44	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-99	-	40	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	40	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	40	-	-	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Sep-00	-	40	-	-	ND	41	ND	ND	ND	ND	ND	-	-	-	ND
	Mar-01	-	40	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Jun-01	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-01	-	40	-	-	ND	-	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-02	-	40	-	ND	ND	-	ND	ND	ND	-	-	-	-	-	ND
	Nov-02	-	40	-	ND	ND	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	40	-	ND	ND	47	ND	ND	ND	58	58	-	-	-	ND
	Nov-03	-	40	-	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	40	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-04	-	40	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	40	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	40	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	-	40	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	40	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	51	ND	ND
	Dec-06	-	25	-	ND	ND	-	27	ND	ND	-	ND	-	ND	ND	ND
	Jun-07	0.4	25.0	-	ND	ND	-	17.4 J	ND	ND	-	27.7 (27.5)	7.6 J	-	ND	ND
	Dec-07	0.4	25.0		2.3 J	-	-	-	ND	1.2 (1.8 J) J	-	9.0 J	3.3 J	-	0.5 J	ND

TABLE 3

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)														
		DL	RL	MW-2	MW-2R	MW-5	MW-6	MW-7	MW-8	MW-9	MW-12S	MW-12D	MW-17	MW-18	Leachate	Blanks
Zinc [1050]	Apr-94	-	20	213	-	54	114	597	62	678	-	-	-	-	-	-
	Oct-94	-	50	995	-	ND	93	234	ND	211	-	-	-	-	-	-
	Apr-95	-	50	821	-	106	52	160	ND	451	-	-	-	-	-	-
	Oct-95	-	50	ND	-	162	384	359	ND	306	-	-	-	-	-	-
	Apr-96	-	50	622	-	152	104	354	90	304	-	-	-	-	-	-
	Nov-96	-	50	546	-	203	110	426	136	412	-	-	-	-	-	ND
	Mar-97	-	50	313	-	80	144	378	128	189	-	-	-	-	-	ND
	Sep-97	-	50	382	-	309	140	246	418	187	-	-	-	-	-	ND
	Mar-98	-	50	267	-	70	ND	162	246	57	-	-	-	-	-	ND
	Sep-98	-	50	256	-	130	121	174	108	123	-	-	-	-	-	ND
	Mar-99	-	50	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-99	-	50	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Apr-00	-	50	-	-	ND	ND	112	ND	77	55	55	-	-	-	ND
	Sep-00	-	50	-	-	ND	111	ND	ND	53	ND	ND	-	-	-	ND
	Mar-01	-	50	-	-	ND	-	ND	ND	ND	63 (92)	63 (92)	-	-	-	-
	Jun-01	-	50	-	-	-	-	-	-	-	-	-	-	-	-	ND
	Oct-01	-	50	-	-	59	-	ND	ND	ND	84	84	-	-	-	ND
	Apr-02	-	50	-	ND	ND	-	141	ND	98	-	-	-	-	-	ND
	Nov-02	-	50	-	ND	62	-	-	ND	ND	-	-	-	-	-	ND
	May-03	-	50	-	ND	62	84	88	ND	71	138	138	-	-	-	ND
	Nov-03	-	50	-	ND	58	ND	ND	ND	ND	ND	ND	-	-	-	ND
	Apr-04	-	50	-	ND	179	ND	73	ND	ND	71	71	ND	ND	-	ND
	May-04	-	50	-	-	-	-	-	ND	-	-	-	-	-	-	ND
	Oct-04	-	50	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND
	May-05	-	50	-	ND	ND	ND	65	ND	ND	ND	ND	ND	50	ND	ND
	Oct-05	-	50	-	138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	-	50	-	ND	ND	ND	81	ND	ND	ND	ND	ND	200	ND	ND
	Dec-06	-	10	-	ND	ND	-	120	ND	43 (55)	-	ND	-	39	48	ND
	Jun-07	2.7	10.0	-	12.4	53.6	-	91.8	14.9	50.8	-	21.4 (27.7)	43.5	-	31.1	ND
	Dec-07	2.7	10.0	-	15.0 B	-	-	-	18.9 B	44.0 (59.0)	-	8.9 B	32.5	-	20.1 B	5.4 J
Benzene [1]	Jun-07	0.1	1.0	-	ND	ND	-	ND	ND	ND	-	0.6 J (0.6 J)	ND	-	ND	ND
	Dec-07	0.1	1.0	-	ND	-	-	-	ND	ND (ND)	-	ND	ND	-	ND	ND
Carbon Disulfide [700]	Jun-07	0.5	100	-	ND	ND	-	ND	2.7 J	ND	-	1.1 J (3.3 J)	ND	-	ND	ND
	Dec-07	0.5	100	-	0.65 J	-	-	-	ND	ND (ND)	-	1.29 J	ND	-	ND	ND
Cyanide [70]	Jun-07	5.0	10.0	-	-	-	-	-	-	-	-	-	-	-	6.0 J	-
	Dec-07	5.0	10.0	-	-	-	-	-	-	-	-	-	-	-	ND	-
Xylenes, total [530]	Dec-07	0.3	4.0	-	ND	-	-	-	ND	ND (ND)	-	ND	ND	-	0.33 J	ND
Biochemical Oxygen Demand [-]	Dec-06	-	2000	-	-	-	-	-	-	-	-	-	-	-	16300	ND
	Jun-07	2000	-	-	-	-	-	-	-	-	-	-	-	-	34600	-
	Dec-07	2000	######	-	-	-	-	-	-	-	-	-	-	-	ND	-
Total Suspended Solids [-]	Dec-06	-	5000	-	-	-	-	-	-	-	-	-	-	-	36000	ND
	Jun-07	5.0	-	-	-	-	-	-	-	-	-	-	-	-	40	-
	Dec-07	5.0	-	-	-	-	-	-	-	-	-	-	-	-	32.0	-
Oil & Grease [-]	Dec-07	5000	-	-	-	-	-	-	-	-	-	-	-	-	5800	-

NOTES:

1. All concentrations are reported in micrograms per liter (ug/L).
2. Values in parentheses represent duplicate sample results.
3. MW = groundwater monitoring well
4. DL = laboratory detection limit
5. RL = laboratory reporting limit (NC SWSL {or lower} June 2007 - present)
6. ND = not detected above laboratory reporting limit
7. - = not sampled for
8. January 2004 results represent a resampling event. Sample was analyzed by ENCO Laboratories.
9. May 2004 results for MW-8 were analyzed by ENCO Laboratories. Well was damaged during regular sampling event.
10. NC 2L = North Carolina 2 L Standard or Groundwater Protection Standard if NC 2L not present.

TABLE 4

Summary of Field Parameters

Parameter	Date	MW-2R	MW-5	MW-6	MW-7	MW-8	MW-9	MW-12S	MW-12D	MW-17	MW-18	Leachate
pH (S.U.)	Sep-98	-	5.10	5.70	5.90	4.90	5.30	-	-	-	-	7.30
	Mar-99	-	4.06	5.04	6.08	6.01	5.41	-	-	-	-	8.05
	Sep-99	-	4.64	5.37	6.61	5.89	5.01	-	-	-	-	6.16
	Apr-00	-	6.04	5.21	5.09	5.63	5.44	5.67	5.76	-	-	5.80
	Sep-00	-	6.16	5.63	5.94	5.37	5.39	10.63	10.59	-	-	5.82
	Mar-01	-	4.80	-	5.20	5.10	4.70	4.50	11.70	-	-	6.47
	Oct-01	-	5.25	-	5.38	5.15	5.39	5.28	10.59	-	-	5.69
	Apr-02	6.76	4.96	-	5.09	5.33	5.02	-	11.01	-	-	6.77
	Nov-02	6.22	5.48	-	-	6.03	5.82	-	10.22	-	-	6.17
	May-03	5.43	6.11	5.93	6.11	5.82	6.42	6.18	10.01	-	-	6.09
	Nov-03	6.44	5.03	6.09	5.83	5.27	5.03	4.04	8.98	-	-	5.96
	Jan-04	-	-	-	-	-	-	-	12.23	-	-	-
	Apr-04	7.31	5.49	5.37	5.97	-	5.36	6.30	10.93	5.25	5.17	7.91
	May-04	-	-	-	-	5.90	-	-	-	-	-	-
	Oct-04	7.11	5.73	5.44	5.61	6.06	5.22	6.49	10.44	5.37	5.11	7.37
	May-05	7.30	5.21	5.05	5.65	6.03	5.41	6.08	10.35	5.18	4.95	8.26
	Oct-05	7.00	5.93	7.10	7.22	7.43	6.02	7.69	10.35	5.87	5.44	8.54
	Jun-06	7.27	-	-	6.39	6.65	5.87	-	9.94	5.73	5.64	8.76
	Dec-06	6.70	5.12	-	5.80	6.23	4.88	-	6.72	-	6.72	8.33
	Jun-07	6.99	6.16	-	5.80	5.79	5.36	-	9.98	5.24	-	8.47
	Dec-07	6.68	-	-	-	5.97	5.39	-	8.29	5.49	-	7.99
Temperature (°C)	Sep-98	-	22	23	19	19	22	-	-	-	-	23
	Mar-99	-	15.7	15.6	16.1	14.8	15.9	-	-	-	-	17
	Sep-99	-	18	19	19	17	18	-	-	-	-	17
	Apr-00	-	11.4	14.2	12.6	12.5	12.7	12.8	12.8	-	-	9.8
	Sep-00	-	16.4	19.3	17.6	17.9	17.2	18.4	17.9	-	-	16.3
	Mar-01	-	17	-	17	17	16	17	14	-	-	20
	Oct-01	-	20	-	19	21	20	19	19	-	-	19
	Apr-02	17	16	-	15	14	15	-	13	-	-	14
	Nov-02	16	15	-	-	16	16	-	16	-	-	15
	May-03	16	17	16	17	17	18	19	17	-	-	16
	Nov-03	17	17	18	17	17	17	17	16	-	-	18
	Jan-04	-	-	-	-	-	-	-	13	-	-	-
	Apr-04	19	19	19	19	-	20	18	19	19	22	21
	May-04	-	-	-	-	20	-	-	-	-	-	-
	Oct-04	17	18	16	16	17	18	17	16	17	16	16
	May-05	20	25	17	17	17	18	18	18	21	21	29
	Oct-05	13.4	14.9	14.7	16.4	16.7	16.5	15.6	14.7	16.9	15.8	14.7
	Jun-06	27.3	-	-	22.5	25.3	23.1	-	21.4	21.9	21.7	30.9
	Dec-06	13.0	14.1	-	12.8	12.2	15.0	-	14.1	-	13.0	8.6
	Jun-07	20.9	21	-	19.4	20.1	20.6	-	22.0	20.6	-	27.6
	Dec-07	9.9	-	-	-	11.1	12.4	-	12.8	11.7	-	6.2
Conductivity (uohms/cm)	Sep-98	-	46	23	127	69	46	-	-	-	-	-
	Mar-99	-	292	23	50	60	44	-	-	-	-	-
	Sep-99	-	778	96	523	499	103	-	-	-	-	296
	Apr-00	-	807	186	623	581	296	293	241	-	-	347
	Sep-00	-	810	196	655	523	309	277	204	-	-	323
	Mar-01	-	180	-	40	30	20	1400	1700	-	-	-
	Oct-01	-	20	-	110	40	80	100	1500	-	-	260
	Apr-02	30	240	-	30	90	30	-	1900	-	-	-
	Nov-02	110	180	-	-	160	80	-	2100	-	-	-
	May-03	190	240	220	70	90	180	210	1840	-	-	-
	Nov-04	90	120	110	60	80	30	2000	4200	-	-	220
	Jan-04	-	-	-	-	-	-	-	1518	-	-	-
	Apr-04	210	36	<30	69	-	31	178	1010	<30	<30	2210
	May-04	-	-	-	-	33	-	-	-	-	-	-
	Oct-04	210	180	260	90	60	140	230	1960	120	180	110
	May-05	105	25	25	76	39	39	14	404	27	18	3
	Oct-05	110.3	34.2	39.9	90.8	38.6	30.5	193.7	327	38.9	18.9	296
	Jun-06	95.7	-	-	50.8	35.8	67.6	-	396	30.1	12.4	2000
	Dec-06	240	38.2	-	85.3	78.2	57.1	-	324	-	93.7	2330
	Jun-07	210	50.6	-	113	53.3	41.9	-	586	36.4	-	-
	Dec-07	141	-	-	-	55.1	38.3	-	336	<30	-	-

NOTES:

1. MW = groundwater monitoring well
2. - = not measured or not reported
3. Jan-04 data are from a resampling event.
4. 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.
5. MW-5, MW-6, and MW-12S monitoring wells were dry during the June 2006 event.
6. MW-6, MW-10, MW-12S, and MW-17 monitoring wells were dry during the December 2006 event.
7. MW-6, MW-12S, and MW-18 monitoring wells were dry during the June 2007 event.
8. MW-5, MW-6, MW-7, MW-10, MW-12S and MW-18 monitoring wells were dry during the December 2007 event.

Figure

Figure No. 1 – Site Location Map

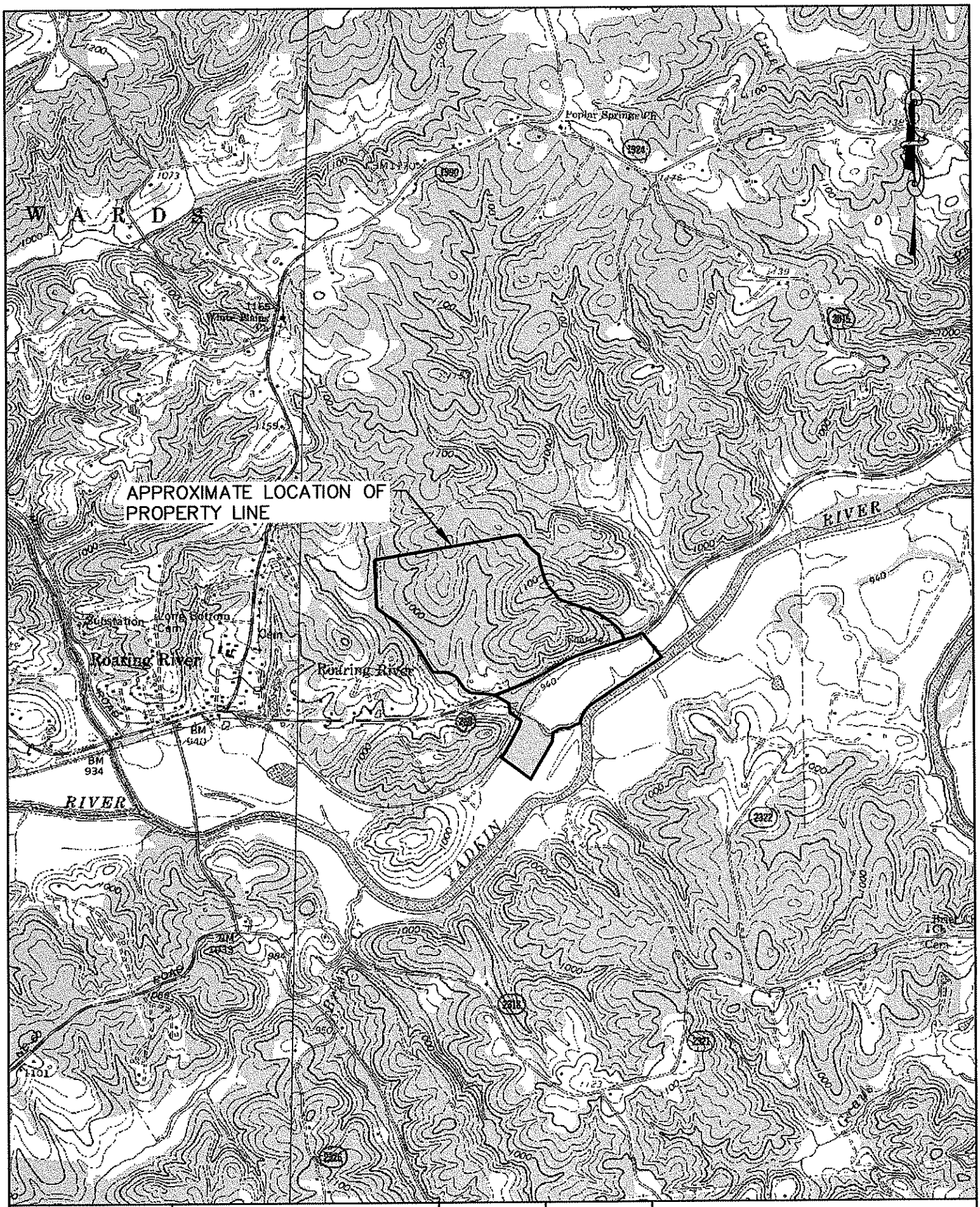

FIGURE NO. 1	JOYCE ENGINEERING, INC. 2211 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092	SCALE 1"=2000'	PROJECT NO. 356.07.34	SITE LOCATION MAP 3/4/08

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Drawing

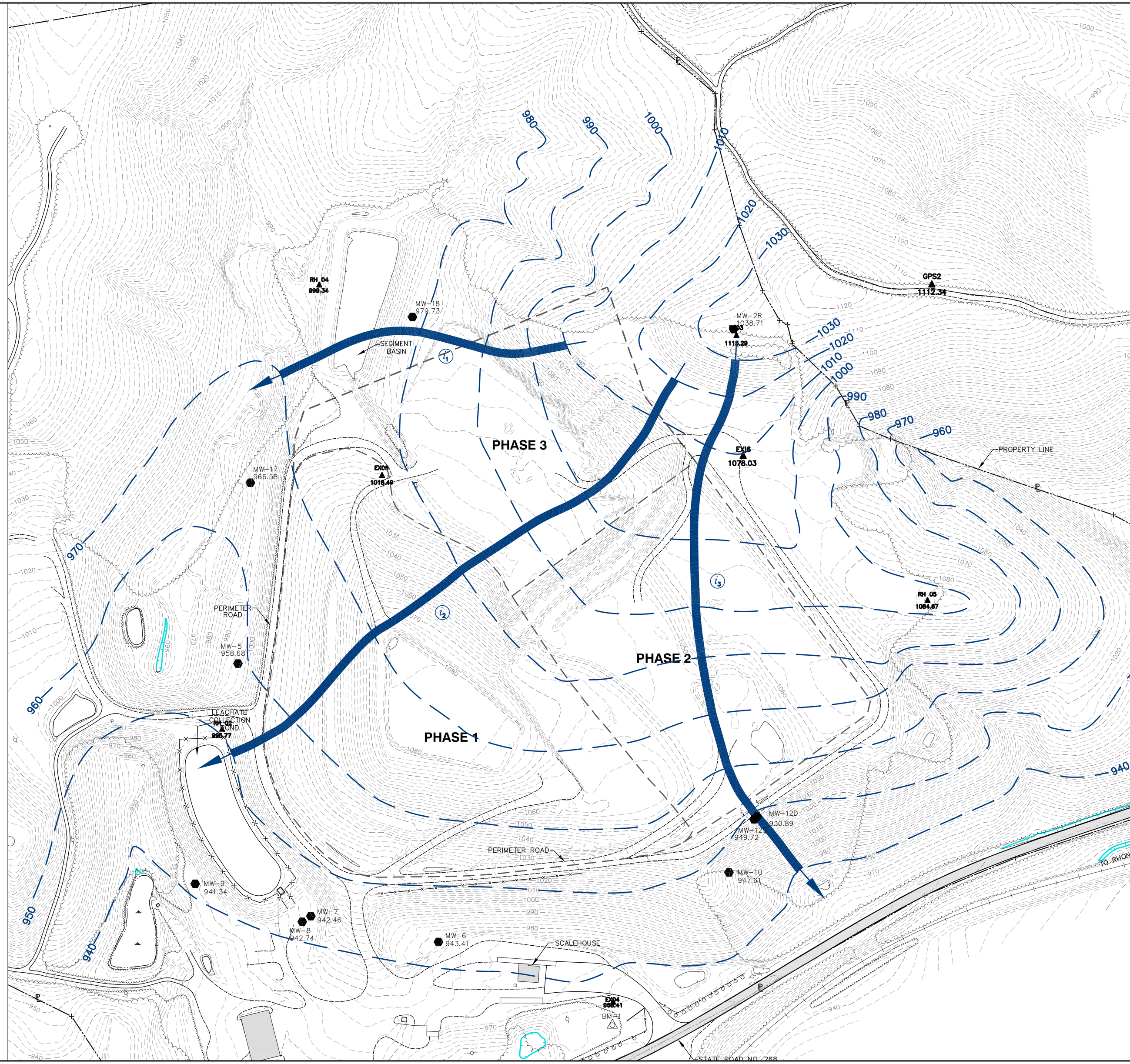
Drawing No. 1 – Groundwater Surface Contour Map

LEGEND

- 1070 — EXISTING 10' TOPOGRAPHIC CONTOUR
- EXISTING 2' TOPOGRAPHIC CONTOUR
- 970 — GROUNDWATER SURFACE CONTOUR [FEET ABOVE MEAN SEA LEVEL (AMSL)]
- PROPERTY LINE
- EXISTING ROAD
- APPROXIMATE LIMITS OF WASTE
- CENTERLINE OF STREAM
- TREELINE
- MW-9 941.34 — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH STATIC WATER LEVEL ELEVATION (FEET AMSL)
- GROUNDWATER FLOW DIRECTION WITH GRADIENT CALCULATION SEGMENT
- i_1 — SEGMENT USED FOR GRADIENT CALCULATIONS

NOTES:

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET.
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
3. STATIC WATER LEVELS MEASURED ON 12/19/07.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL GROUNDWATER CONDITIONS.
5. DIGITAL MAPPING PROVIDED BY SPATIAL DATA CONSULTANTS, INC. FLYOVER DATE: MARCH 11, 2003. GROUND CONTROL AND PROPERTY LINE TIE-IN TO NC GRID COORDINATE SYSTEM SET BY SUTTLES SURVEYING, INC.
6. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL. THE GROUNDWATER FLOW DIRECTION IS GENERALLY PERPENDICULAR TO THE GROUNDWATER SURFACE CONTOURS, SIMILAR TO THE RELATIONSHIP BETWEEN SURFACE WATER FLOW AND TOPOGRAPHIC CONTOURS.
7. THE GROUNDWATER ELEVATION FOR MW-12D WAS CONSIDERED TO BE SUSPECT. THUS THE CONTOURS ARE BASED ON MW-12S.



DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED CM
DRAWN CM
CHECKED JK
APPROVED JK
DATE 3/3/08

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

WILKES COUNTY – ROARING RIVER LANDFILL
WILKES COUNTY, NORTH CAROLINA

GROUNDWATER SURFACE CONTOUR MAP
DECEMBER 19, 2007
PERMIT NO. 97-04

PROJECT NO.
356.07.34

SCALE
1"=100'

DRAWING NO.
1

N:\Dwgs\Drawings-Current\WILKES\GW EVENT MAPS\December 2007.dwg

Statistical Analyses

Summary of Statistical Analyses
Detailed Results

Summary of Statistical Analyses December 2007

Analyte	Data Distribution	Statistical Method used to Establish Background	Background (µg/L)	Noted Increases
Cadmium		Non-parametric Prediction Interval	18	-
Zinc		Non-parametric Prediction Interval	995	-

Notes:

1. - = No increase

JEI Project: **Roaring River Landfill - Wilkes County**
Project No: **356.07.34**
Sample Date: **12/19/07**

Analyte: **Cadmium**

Sample No.	Sample Date	Location	Concentration	
1	Apr-94	MW-2	2	
2	Oct-94	MW-2	2	
3	Apr-95	MW-2	ND	
4	Oct-95	MW-2	2	
5	Apr-96	MW-2	12	
6	Nov-96	MW-2	17	
7	Mar-97	MW-2	18	
8	Sep-97	MW-2	13	
9	Mar-98	MW-2	2	
10	Sep-98	MW-2	2	
11	Apr-02	MW-2R	2	
12	Nov-02	MW-2R	ND	
13	May-03	MW-2R	ND	
14	Nov-03	MW-2R	ND	
15	Apr-04	MW-2R	ND	
16	Oct-04	MW-2R	ND	
17	May-05	MW-2R	1	
18	Oct-05	MW-2R	ND	
19	Jun-06	MW-2R	ND	
20	Dec-06	MW-2R	ND	
21	Jun-07	MW-2R	ND	
22	Dec-07	MW-2R	0.2	J
23	Apr-04	MW-17	ND	
24	Oct-04	MW-17	ND	
25	May-05	MW-17	ND	
26	Oct-05	MW-17	ND	
27	Apr-04	MW-18	ND	
28	Oct-04	MW-18	ND	
29	May-05	MW-18	ND	
30	Oct-05	MW-18	ND	

Number of Data:	30
Number of Truncated Data:	18
Percentage of Truncated Data:	60%

Non-parametric Prediction Interval: 18

- All concentrations in micrograms per liter (ug/L
- ND = Non-detect

JEI Project: **Roaring River Landfill - Wilkes County**
Project No: **356.07.34**
Date: **12/19/07**

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	Jun-06	MW-2R	ND		50
20	Dec-06	MW-2R	ND		10
21	Jun-07	MW-2R	12.4		10.0
22	Dec-07	MW-2R	15.0	B	10.0
23	Apr-04	MW-17	ND		50
24	Oct-04	MW-17	ND		50
25	May-05	MW-17	ND		50
26	Oct-05	MW-17	ND		50
27	Apr-04	MW-18	ND		50
28	Oct-04	MW-18	ND		50
29	May-05	MW-18	50		50
30	Oct-05	MW-18	ND		50

Number of Data:	29
Number of Truncated Data:	17
Percentage of Truncated Data:	59%

Non-parametric Prediction Interval: 995

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

Laboratory Reports and Field Data

Wilkes County - Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-2R	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-2R	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-2R	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	75-15-0	35	Carbon Disulfide	**0.65**	ug/L	J	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-2R	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	MW-2R	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	MW-2R	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	MW-2R	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-2R	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	MW-2R	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-2R	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-2R	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-2R	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-2R	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-2R	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606157

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-2R	7440-36-0	13	Antimony	**2.0**	ug/L	J	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-39-3	15	Barium	**7.6**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	744-43-9	34	Cadmium	**0.2**	ug/L	J	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-47-3	51	Chromium	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-50-8	54	Copper	**3.0**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-02-0	152	Nickel	**1.8**	ug/L	J	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-62-2	209	Vanadium	**2.3**	ug/L	J	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	MW-2R	7440-66-6	213	Zinc	**15.0**	ug/L		1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606157

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County - Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-8	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-8	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-8	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-8	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	MW-8	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	MW-8	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	MW-8	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-8	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	MW-8	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-8	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-8	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-8	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-8	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-8	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606158

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-8	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-39-3	15	Barium	**9.8**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	744-43-9	34	Cadmium	**1.4**	ug/L		1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-47-3	51	Chromium	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-50-8	54	Copper	10.0	ug/L	U	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7439-92-1	131	Lead	**2.3**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-02-0	152	Nickel	**6.0**	ug/L	J	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	MW-8	7440-66-6	213	Zinc	**18.9**	ug/L		1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606158

N/A = Not Applicable

U = Not detected.

J = Estimated results. Present but below reporting limit.

B = Lab blank contamination.

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

Wilkes County - Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-9	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-9	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	MW-9	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	MW-9	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	MW-9	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	MW-9	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-9	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-9	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606159

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
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Wilkes County - Roaring River Landfill - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-9	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-39-3	15	Barium	**60.5**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-41-7	23	Beryllium	**0.3**	ug/L	J	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-47-3	51	Chromium	**1.6**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-48-4	53	Cobalt	**2.8**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-50-8	54	Copper	**2.1**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7439-92-1	131	Lead	**2.9**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-02-0	152	Nickel	**4.4**	ug/L	J	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-62-2	209	Vanadium	**1.2**	ug/L	J	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9	7440-66-6	213	Zinc	**44.0**	ug/L		1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606159

N/A = Not Applicable

U = Not detected.

J = Estimated results. Present but below reporting limit.

B = Lab blank contamination.

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

Wilkes County - Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-9 Dup	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-9 Dup	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606162

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-9 Dup	7440-36-0	13	Antimony	**1.2**	ug/L	J	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-39-3	15	Barium	**60.3**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	744-43-9	34	Cadmium	**1.3**	ug/L		1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-47-3	51	Chromium	**1.8**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-48-4	53	Cobalt	**2.8**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-50-8	54	Copper	**3.8**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7439-92-1	131	Lead	**3.7**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-02-0	152	Nickel	**6.8**	ug/L	J	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-62-2	209	Vanadium	**1.8**	ug/L	J	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	MW-9 Dup	7440-66-6	213	Zinc	**59.0**	ug/L		1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606162

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County - Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-12D	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-12D	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-12D	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	75-15-0	35	Carbon Disulfide	**1.29**	ug/L	J	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-12D	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	MW-12D	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	MW-12D	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	MW-12D	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-12D	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	MW-12D	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-12D	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-12D	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-12D	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-12D	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-12D	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606160

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-12D	7440-36-0	13	Antimony	**3.1**	ug/L	J	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-39-3	15	Barium	**3.0**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	744-43-9	34	Cadmium	**1.2**	ug/L		1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-47-3	51	Chromium	**0.8**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-50-8	54	Copper	**2.4**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7439-92-1	131	Lead	**2.7**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-02-0	152	Nickel	50.0	ug/L	U	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-62-2	209	Vanadium	**9.0**	ug/L	J	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	MW-12D	7440-66-6	213	Zinc	**8.9**	ug/L	J	1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606160

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County - Roaring River Landfill - Volatile Organics

ACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-17	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-17	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-17	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-17	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	MW-17	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	MW-17	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	MW-17	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-17	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	MW-17	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-17	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	MW-17	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	MW-17	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	MW-17	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	MW-17	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606161

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	MW-17	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-39-3	15	Barium	**104**	ug/L		1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	744-43-9	34	Cadmium	**0.6**	ug/L	J	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-47-3	51	Chromium	**2.2**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-48-4	53	Cobalt	**1.3**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-50-8	54	Copper	**2.3**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7439-92-1	131	Lead	**2.0**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-02-0	152	Nickel	**1.4**	ug/L	J	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-62-2	209	Vanadium	**3.3**	ug/L	J	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	MW-17	7440-66-6	213	Zinc	**32.5**	ug/L		1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606161

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County - Roaring River Landfill - Volatile Organics

ACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	Travel Blank	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	Travel Blank	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606163

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	Travel Blank	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-39-3	15	Barium	**24.9**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-47-3	51	Chromium	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-50-8	54	Copper	**2.6**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-02-0	152	Nickel	50.0	ug/L	U	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-22-4	184	Silver	**1.5**	ug/L	J	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	Travel Blank	7440-66-6	213	Zinc	10.0	ug/L	U	1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606163

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

Wilkes County - Roaring River Landfill - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	Field Blank	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Field Blank	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Field Blank	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	Field Blank	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	Field Blank	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	Field Blank	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	Field Blank	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Field Blank	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	Field Blank	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	Field Blank	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Field Blank	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Field Blank	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Field Blank	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	Field Blank	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

RAL Sample #: 606164

N/A = Not Applicable

U = Not detected.
J = Estimated results. Present but below reporting limit.
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	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	Field Blank	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-39-3	15	Barium	**14.3**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-47-3	51	Chromium	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-50-8	54	Copper	10.0	ug/L	U	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-02-0	152	Nickel	50.0	ug/L	U	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	Field Blank	7440-66-6	213	Zinc	**5.4**	ug/L	J	1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008

RAL Sample #: 606164

N/A = Not Applicable

U = Not detected.

J = Estimated results. Present but below reporting limit.

B = Lab blank contamination.

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

RESEARCH & ANALYTICAL LABORATORIES, INC.
Analytical/Process Consultations

RESEARCH & ANALYTICAL LABS SIDNEY L. CHAMPION NC #34 DIRECTOR CERTIFIED ANALYSIS

Quality Control Summary Results for Project Identified as Roaring River Landfill (A Wilkes County Project, 19 December 2007)

Inorganics Appendix I Parameter	Prep. Blank %	ICV Recovery %	CCV Recovery %	LCS Recovery %	Spike Recovery %	% Difference
Arsenic	BDL	91.3	102 102 102	90.1	89.0	2
Antimony	BDL	102	96.0 96.0 96.0 96.0	104	100	0
Barium	BDL	103	102 102 102	92.3	94.8	0
Berryllium	BDL	101	99.6 100 100	90.1	93.0	0
Cadmium	BDL	101	101 101 102	90.2	93.2	0
Chromium	BDL	102	103 102 103	91.1	93.1	0
Cobalt	BDL	105	102 103 103	90.3	91.2	0
Copper	BDL	94.0	100 100 100	91.2	88.8	0
Lead	BDL	91.8	101 102 102	90.3	89.8	0
Nickel	BDL	101	103 103 104	90.2	92.1	0
Selenium	BDL	93.2	101 101 102	91.2	91.5	1
Silver	BDL	93.6	101 101 101	91.3	89.1	0
Thallium	BDL	99.4	99.4 99.9 100	91.4	85.4	1
Vanandium	BDL	104	101 101 101	92.2	91.3	0
Zinc	BDL	106	102 102 103	94.2	101	6

COMMENTS: 606157-65
% = Percent
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
LCS = Laboratory Control Sample
N/A = Not Available

*** Post Spike**

RESEARCH & ANALYTICAL LABORATORIES, INC.
Analytical/Process Consultations

RESEARCH & ANALYTICAL LABS SIDNEY L. CHAMPION NC #34 DIRECTOR CERTIFIED ANALYSIS

Quality Control Summary Results for Project Identified as Roaring River Landfill (A Wilkes County Project, 19 December 2007)

Volatile Organics EPA Method 8260 Parameter	Method Blank (mg/L)	Matrix Spike % Recovery	Spike Diplicate % Recovery	Quality Control Limits	Analyst
Methylene Chloride	ND	N/A	N/A	N/A	SA
Trichlorofluoromethane	ND	N/A	N/A	N/A	SA
1,1-Dichloroethene	ND	**99**	**89**	61-145	SA
1,1-Dichloroethane	ND	N/A	N/A	N/A	SA
Chloroform	ND	N/A	N/A	N/A	SA
Carbon Tetrachloride	ND	N/A	N/A	N/A	SA
1,2-Dichloropropane	ND	N/A	N/A	N/A	SA
Trichloroethene	ND	**88**	**82**	71-120	SA
Dibromochloromethane	ND	N/A	N/A	N/A	SA
1,1,2-Trichloroethane	ND	N/A	N/A	N/A	SA
Tetrachloroethene	ND	N/A	N/A	N/A	SA
Chlorobenzene	ND	**99**	**90**	75-130	SA
Trans-1,2-Dichloroethene	ND	N/A	N/A	N/A	SA
1,2-Dichloroethane	ND	N/A	N/A	N/A	SA
1,1,1-Trichloroethane	ND	N/A	N/A	N/A	SA
Bromodichloromethane	ND	N/A	N/A	N/A	SA
Cis-1,3-Dichloropropene	ND	N/A	N/A	N/A	SA
Benzene	ND	**92**	**87**	76-127	SA
Trans-1,3-Dichloropropene	ND	N/A	N/A	N/A	SA
Bromoform	ND	N/A	N/A	N/A	SA
1,1,2,2-Tetrachloroethane	ND	N/A	N/A	N/A	SA
Toluene	ND	**91**	**85**	76-125	SA
Ethyl Benzene	ND	N/A	N/A	N/A	SA
Chloromethane	ND	N/A	N/A	N/A	SA
Bromomethane	ND	N/A	N/A	N/A	SA
Vinyl Chloride	ND	N/A	N/A	N/A	SA
Chloroethane	ND	N/A	N/A	N/A	SA
Acetone	ND	N/A	N/A	N/A	SA
Carbon Disulfide	ND	N/A	N/A	N/A	SA
Vinyl Acetate	ND	N/A	N/A	N/A	SA
2-Butanone	ND	N/A	N/A	N/A	SA
4-Methyl-2-Pentanone	ND	N/A	N/A	N/A	SA
2-Hexanone	ND	N/A	N/A	N/A	SA
Styrene	ND	N/A	N/A	N/A	SA
Total Xylenes	ND	N/A	N/A	N/A	SA
Acrylonitrile	ND	N/A	N/A	N/A	SA
1,2-Dichlorobenzene	ND	N/A	N/A	N/A	SA
1,4-Dichlorobenzene	ND	N/A	N/A	N/A	SA
Trans-1,4-Dichloro-2-butene	ND	N/A	N/A	N/A	SA
Cis-1,2-Dichloroethene	ND	N/A	N/A	N/A	SA
Methyl Iodide	ND	N/A	N/A	N/A	SA
Bromochloromethane	ND	N/A	N/A	N/A	SA
Dibromomethane	ND	N/A	N/A	N/A	SA
1,1,1,2-Tetrachloroethane	ND	N/A	N/A	N/A	SA
1,2,3-Trichloropropane	ND	N/A	N/A	N/A	SA
1,2-Dibromo-3-Chloropropane(DBCP)	ND	N/A	N/A	N/A	SA
1,2-Dibromoethane (EDB)	ND	N/A	N/A	N/A	SA

COMMENTS:
Corresponding Samples: **606157-65**
% = Percent
ND = Non Detected
N/A = Not Available

GROUNDWATER MONITORING FIELD LOG

			Personnel Present:	**Comments:**
Facility	**Wilkes County**		**Glenn Price**	****Well casing bent - 60'**
	Roaring River Landfill	**December 19, 2007**	**Morgan Turner**	**down well - unable to**
Weather	**38° F Cloudy**	**Date**		**get bailer past bent area.**

Monitoring Well No..	MW-2 R	MW-5	MW-6	MW-7	MW-8	*MW-9	MW-10	**MW-12 S	MW-12 D	MW-17	MW-18	Leachate
Total Depth (FT.)	116.0	38.11	37.60	41.77	58.50	37.57	76.75	104.00	134.00	24.63	46.85	
Surface Depth (FT.)	79.39	37.47	37.60	41.62	41.72	30.55	76.49	103.07	122.00	20.00	46.76	
Water Depth (FT.)	36.61	0.64	0	0.15	16.76	7.02	0.26	0.93	12.00	4.63	0.09	
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.)	5.86	0.10	0	0.02	2.68	1.12	0.04	0.14	1.92	0.74	0.01	
Volume (GAL.) X 3	1757	*Well Dry*	*Well Dry*	*Well Dry*	8.05	3.67	*Well Dry*	0.44	5.76	2.22	*Well Dry*	
# Bails (L)	71				33	15		21	24	9		
Purge Date	12/19/07				12/19/07	12/19/07		12/19/07	12/19/07	12/19/07		
Purge Time (hrs.)	0917				0800	0825		**Bailer unable to reach water**	1045	0852		
Purge Method	Bailer				Bailer	Bailer			Bailer	Bailer		
Volume Removed (GAL.)	13.50-Dry				8.25	3.75			1.50-Dry	0.75-Dry		
Sampling Date	12/19/07				12/19/07	12/19/07			12/19/07	12/19/07		12/19/07
Sampling Time (hrs.)	1100				1135	1155			1220	1210		1240
Sampling Method	Bailer				Bailer	Bailer		Bailer	Bailer	Bailer		Grab-direct
pH (Standard Units)	6.68				5.97	5.39			8.29	5.49		7.99
Temperature (EC)	9.9				11.1	12.4			12.8	11.7		6.2
Conductivity (µmhos/cm)	141				55.1	38.3			336	<30		
Dissolved Oxygen (mg/L)												
Observations/Sampling	Clear				Clear	Clear			Clear	Clear		Light Green

* Duplicate

Wilkes County - Leachate - Volatile Organics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	Leachate	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Leachate	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Leachate	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	Leachate	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	12/19/2007	N/A	12/30/2007
97-04	Leachate	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	12/19/2007	N/A	12/30/2007
97-04	Leachate	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	12/19/2007	N/A	12/30/2007
97-04	Leachate	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	1330-20-7	346	Total Xylenes	**0.33**	ug/L	J	1	4.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Leachate	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	12/19/2007	N/A	12/30/2007
97-04	Leachate	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	12/19/2007	N/A	12/30/2007
97-04	Leachate	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	12/19/2007	N/A	12/30/2007
97-04	Leachate	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	12/19/2007	N/A	12/30/2007
97-04	Leachate	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	12/19/2007	N/A	12/30/2007
97-04	Leachate	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	12/19/2007	N/A	12/30/2007
97-04	Leachate	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	12/19/2007	N/A	12/30/2007

NE = Not Established
U = Not detected.
J = Estimated results. Present but below reporting limit.
B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 606165

N/A = Not Applicable

Wilkes County - Leachate - Inorganics

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	SWSL	MDL	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
97-04	Leachate	7440-36-0	13	Antimony	**3.2**	ug/L	J	1	6.0	1.2	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-39-3	15	Barium	**97.0**	ug/L	J	1	100	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-47-3	51	Chromium	**2.7**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-48-4	53	Cobalt	**8.7**	ug/L	J	1	10.0	0.7	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-50-8	54	Copper	**4.4**	ug/L	J	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-02-0	152	Nickel	**45.9**	ug/L	J	1	50.0	0.6	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-22-4	184	Silver	**1.4**	ug/L	J	1	10.0	1.1	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-62-2	209	Vanadium	**0.5**	ug/L	J	1	25.0	0.4	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7440-66-6	213	Zinc	**20.1**	ug/L		1	10.0	2.7	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7439-96-5	342	Manganese	**333**	ug/L		1	NE	0.2	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7439-98-7	397	Molybdenum	10.0	ug/L	U	1	NE	1.3	12/19/2007	12/21/2007	01/11/2008
97-04	Leachate	7439-97-6	132	Mercury	0.2	ug/L	U	1	0.2	0.01	12/19/2007	01/03/2008	01/04/2008
97-04	Leachate	SW316	316	BOD	120	mg/L	U	1	NE	2.0	12/19/2007	12/20/2007	12/20/2007
97-04	Leachate	NE	NE	Oil & Grease	**5.8**	mg/L		1	NE	5.0	12/19/2007	12/28/2007	12/28/2007
97-04	Leachate	57-12-5	58	Cyanide	10.0	ug/L	U	1	10.0	5.0	12/19/2007	12/26/2007	12/26/2007
97-04	Leachate	SW343	343	TSS	**32.0**	ug/L		1	NE	5.0	12/19/2007	12/21/2007	12/21/2007

RAL Sample #: 606165

N/A = Not Applicable

NE = Not Established

U = Not detected.

J = Estimated results. Present but below reporting limit.

B = Lab blank contamination.

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