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	June 28, 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	Staff Consultant	(336) 323-0092
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature 10-9-07 Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2097 GEOLOGIST JEREMEY JOHN KERLY

Revised 10/2006

Prepared for:

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

JEI Project Number 356.00, Task 34

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

October 2007

Prepared by:

JOYCE ENGINEERING, INC.

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

First 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 first semiannual samplinge event at the Wilkes County Roaring River Landfill in Wilkes County, North Carolina, which occurred on June 28, 2007 for groundwater and leachate in accordance with Title 15A of the North Carolina Admininstrative 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 June 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 June 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-6, MW-10, MW-12S, and MW-18 during this sampling event due to extremely 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 conpleted 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-seven 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 June 2007 sampling event.

Estimated horizontal groundwater gradients from the June 2007 groundwater levels are presented in *Table 2*. The average horizontal gradient is approximately 0.062 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 78.10 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 June 28, 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 June 2007 samples were also analyzed by RAL.

The detected constituents for the June 2007 sampling event are summarized 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* 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 June 2007 Statistical Results

There were no statistically significant increases for the detected inorganic constituents during the June 28, 2007 sampling event. Two organic constituents (benzene and carbon disulfide) were reported above their respective detection limits in one or more of the monitoring wells, but the detections were not considered to be statistically significant.

6.0 June 2007 Sampling Results

Samples were not able to be recovered from MW-6, MW-10, and MW-18 during June 2007 sampling event due to extremely low water columns and recharge. RAL personnel were also unable to recover samples from MW-12S by bailer. Benzene was detected in MW-12D, and carbon disulfide was detected in MW-8 and MW-12D. Both were below their respective NC 2L standards during this sampling event. The following inorganic constituents were detected in one or more of the monitoring wells; antimony, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc; however, antimony, chromium, copper and nickel detection were considered to be blank qualified. None of the inorganic constituents, organic and inorganic, were detected above their NC 2L standards for the June 2007 sampling event. Therefore, the site will remain in Detection Monitoring.

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 First Semiannual Groundwater Monitoring event of June 2007 indicate that the Wilkes County Roaring River Landfill shall remain

in detection monitoring. The second semiannual event is scheduled for the fourth quarter of 2007.

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
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	943.07	944.52	942.29	947.40	949.98	944.49	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	521	W	1000 970	0.058	72.53
i_2	1.9E-04	16	1219	S	1020 950	0.057	72.40
i_3	1.9E-04	16	1128	S-SW	1030 950	0.071	89.38
					Average:	0.062	78.10

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 Detected Constituents June 2007

Constituent	DL	RL	Concentrations (µg/L)								
			MW-2R	MW-5	MW-7	MW-8	MW-9	MW-12D	MW-17	Leachate	Blanks
Antimony	1.2	6.0	ND	ND	ND	ND	ND	2.4 B (2.9 B)	ND	ND	4.5
Benzene	0.1	1.0	ND	ND	ND	ND	ND	0.6 J (0.6 J)	ND	ND	ND
BOD	2000	-	-	-	-	-	-	-	-	34600	-
Barium	1.1	100	11.2 B	139	560	9.8 B	58.4 J	12.3 B (16.5B)	118	57.1 J	5.1
Cadmium	0.2	1.0	ND	ND	ND	ND	ND	ND (0.3 J)	ND	ND	ND
Carbon Disulfide	0.5	100	ND	ND	ND	2.7 J	ND	1.1 J (3.3 J)	ND	ND	ND
Chromium	0.7	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
Cobalt	0.7	10.0	ND	20.1	5.0 J	ND	1.3 J	1.0 J (1.8 J)	2.7 J	14.7	ND
Copper	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
Cyanide	5.0	10.0	-	-	-	-	-	-	-	6.0 J	-
Lead	2.0	10.0	ND	2.0 J	4.0 J	ND	ND	ND	1.9 J	ND	ND
Manganese	0.2	-	-	-	-	-	-	-	-	9.9	-
Mercury	0.01	0.2	-	-	-	-	-	-	-	0.19 J	-
Molybdenum	1.3	-	-	-	-	-	-	-	-	2.5 J	-
Nickel	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
TSS	5.0	-	-	-	-	-	-	-	-	40	-
Vanadium	0.4	25.0	ND	ND	17.4 J	ND	ND	27.7 (27.5)	7.6 J	ND	ND
Zinc	2.7	10.0	12.4	53.6	91.8	14.9	50.8	21.4 (27.7)	43.5	31.1	ND

Notes:
1. ND = Non-detect
2. - = Not analyzed
3. Values in parentheses are duplicate samples.
4. J = Estimated concentrations
5. Values in parentheses are duplicate samples.
6. DL = Laboratory detection limit
7. RL = Laboratory reporting limit (NC SWSL from June 2007 to present)

TABLE 4

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)													
		DL	RL	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
Barium [2000]	Apr-94	-	250	-	ND	444	3480	ND	1600	-	-	-	-	-	-
	Oct-94	-	500	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	500	-	ND	ND	701	ND	516	-	-	-	-	-	-
	Oct-95	-	500	-	ND	ND	1630	ND	ND	-	-	-	-	-	-
	Apr-96	-	500	-	ND	ND	1650	ND	ND	-	-	-	-	-	-
	Nov-96	-	500	-	ND	ND	1660	ND	ND	-	-	-	-	-	ND
	Mar-97	-	500	-	ND	ND	1440	ND	ND	-	-	-	-	-	ND
	Sep-97	-	500	-	ND	ND	745	ND	ND	-	-	-	-	-	ND
	Mar-98	-	500	-	ND	ND	937	ND	ND	-	-	-	-	-	ND
	Sep-98	-	500	-	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
Beryllium [-]	Apr-94	-	5	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-94	-	2	-	ND	ND	6	ND	4	-	-	-	-	-	-
	Apr-95	-	2	-	3	2	2	ND	6	-	-	-	-	-	-
	Oct-95	-	2	-	4	2	4	ND	2	-	-	-	-	-	-
	Apr-96	-	2	-	5	3	5	3	3	-	-	-	-	-	-
	Nov-96	-	2	-	4	ND	4	ND	3	-	-	-	-	-	ND
	Mar-97	-	2	-	3	ND	3	ND	ND	-	-	-	-	-	ND
	Sep-97	-	2	-	4	ND	4	ND	ND	-	-	-	-	-	ND
	Mar-98	-	2	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	2	-	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
Cadmium [1.75]	Apr-94	-	2	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-94	-	1	-	ND	1	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	1	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-95	-	1	-	1	1	ND	ND	1	-	-	-	-	-	-
	Apr-96	-	1	-	1	2	4	ND	3	-	-	-	-	-	-
	Nov-96	-	1	-	3	2	9	ND	7	-	-	-	-	-	ND
	Mar-97	-	1	-	2	8	12	ND	5	-	-	-	-	-	ND
	Sep-97	-	1	-	12	ND	3	1	1	-	-	-	-	-	ND
	Mar-98	-	1	-	ND	ND	ND	3	ND	-	-	-	-	-	ND
	Sep-98	-	1	-	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

TABLE 4

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)													
		DL	RL	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	-	ND	ND	ND	ND	57	-	-	-	-	-	-
[50]	Oct-94	-	10	-	ND	ND	25	ND	26	-	-	-	-	-	-
	Apr-95	-	10	-	14	10	18	ND	64	-	-	-	-	-	-
	Oct-95	-	10	-	22	141	34	ND	34	-	-	-	-	-	-
	Apr-96	-	10	-	20	23	32	ND	32	-	-	-	-	-	-
	Nov-96	-	10	-	27	17	40	ND	46	-	-	-	-	-	ND
	Mar-97	-	10	-	10	46	35	11	23	-	-	-	-	-	ND
	Sep-97	-	10	-	37	ND	14	ND	ND	-	-	-	-	-	ND
	Mar-98	-	10	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	10	-	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	-	-	-	ND
	Jun-01	-	10	-	-	-	-	-	-	-	-	-	-	-	-
	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
Cobalt	Apr-94	-	50	-	ND	ND	ND	ND	220	-	-	-	-	-	-
[-]	Oct-94	-	10	-	ND	ND	ND	ND	32	-	-	-	-	-	-
	Apr-95	-	10	-	ND	ND	ND	ND	78	-	-	-	-	-	-
	Oct-95	-	10	-	20	74	21	ND	53	-	-	-	-	-	-
	Apr-96	-	10	-	27	14	20	ND	48	-	-	-	-	-	-
	Nov-96	-	10	-	23	11	23	ND	67	-	-	-	-	-	ND
	Mar-97	-	10	-	ND	24	23	ND	26	-	-	-	-	-	ND
	Sep-97	-	10	-	24	ND	ND	ND	10	-	-	-	-	-	ND
	Mar-98	-	10	-	11	ND	11	ND	14	-	-	-	-	-	ND
	Sep-98	-	10	-	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
Copper	Apr-94	-	10	-	ND	28	31	ND	80	-	-	-	-	-	-
[1000]	Oct-94	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-95	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-96	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Nov-96	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-97	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-97	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-98	-	200	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	200	-	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	-	-	-	ND
	Jun-01	-	200	-	-	-	-	-	-	-	-	-	-	-	-
	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

TABLE 4

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)													
		DL	RL	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	-	15	34	39	5	116	-	-	-	-	-	-
	Oct-94	-	10	-	ND	ND	22	ND	24	-	-	-	-	-	-
	Apr-95	-	10	-	14	ND	16	ND	48	-	-	-	-	-	-
	Oct-95	-	10	-	28	37	33	ND	30	-	-	-	-	-	-
	Apr-96	-	10	-	20	24	32	ND	28	-	-	-	-	-	-
	Nov-96	-	10	-	27	15	35	ND	37	-	-	-	-	-	ND
	Mar-97	-	10	-	ND	45	31	ND	18	-	-	-	-	-	ND
	Sep-97	-	10	-	37	12	26	ND	16	-	-	-	-	-	ND
	Mar-98	-	10	-	ND	13	ND	ND	26	-	-	-	-	-	ND
	Sep-98	-	10	-	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
Manganese [-]	Dec-06	-	5	-	-	-	-	-	-	-	-	-	-	848	ND
	Jun-07	0.2	-	-	-	-	-	-	-	-	-	-	-	9.9	-
Nickel [100]	Apr-94	-	50	-	ND	ND	ND	ND	65	-	-	-	-	-	-
	Oct-94	-	50	-	ND	ND	57	ND	ND	-	-	-	-	-	-
	Apr-95	-	50	-	ND	ND	ND	ND	94	-	-	-	-	-	-
	Oct-95	-	50	-	ND	132	83	ND	58	-	-	-	-	-	-
	Apr-96	-	50	-	ND	ND	78	ND	56	-	-	-	-	-	-
	Nov-96	-	50	-	77	ND	100	ND	100	-	-	-	-	-	ND
	Mar-97	-	50	-	ND	ND	55	ND	ND	-	-	-	-	-	ND
	Sep-97	-	50	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Mar-98	-	50	-	ND	ND	ND	ND	ND	-	-	-	-	-	ND
	Sep-98	-	50	-	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
Vanadium [-]	Apr-94	-	80	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Oct-94	-	40	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	Apr-95	-	40	-	ND	ND	89	ND	89	-	-	-	-	-	-
	Oct-95	-	40	-	ND	122	150	ND	ND	-	-	-	-	-	-
	Apr-96	-	40	-	ND	50	147	ND	ND	-	-	-	-	-	-
	Nov-96	-	40	-	40	ND	184	ND	59	-	-	-	-	-	ND
	Mar-97	-	40	-	ND	97	152	ND	ND	-	-	-	-	-	ND
	Sep-97	-	40	-	49	ND	77	ND	ND	-	-	-	-	-	ND
	Mar-98	-	40	-	ND	ND	42	ND	ND	-	-	-	-	-	ND
	Sep-98	-	40	-	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

TABLE 4

Summary of Historically Detected Constituents

Constituent [NC 2L in µg/L]	Date	Concentration in (µg/L)													
		DL	RL	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	-	54	114	597	62	678	-	-	-	-	-	-
	Oct-94	-	50	-	ND	93	234	ND	211	-	-	-	-	-	-
	Apr-95	-	50	-	106	52	160	ND	451	-	-	-	-	-	-
	Oct-95	-	50	-	162	384	359	ND	306	-	-	-	-	-	-
	Apr-96	-	50	-	152	104	354	90	304	-	-	-	-	-	-
	Nov-96	-	50	-	203	110	426	136	412	-	-	-	-	-	ND
	Mar-97	-	50	-	80	144	378	128	189	-	-	-	-	-	ND
	Sep-97	-	50	-	309	140	246	418	187	-	-	-	-	-	ND
	Mar-98	-	50	-	70	ND	162	246	57	-	-	-	-	-	ND
	Sep-98	-	50	-	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)	-	-	-	ND
	Jun-01	-	50	-	-	-	-	-	-	-	-	-	-	-	-
	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
Benzene [1]	Jun-07	0.1	1.0	ND	ND	-	ND	ND	ND	-	0.6 J (0.6 J)	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
Cyanide [70]	Jun-07	5.0	10.0	-	-	-	-	-	-	-	-	-	-	6.0 J	-
Biochemical Oxygen Demand [-]	Dec-06	-	2000	-	-	-	-	-	-	-	-	-	-	16300	ND
	Jun-07	2000	-	-	-	-	-	-	-	-	-	-	-	34600	-
Total Suspended Solids [-]	Dec-06	-	5000	-	-	-	-	-	-	-	-	-	-	36000	ND
	Jun-07	5.0	-	-	-	-	-	-	-	-	-	-	-	40	-

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 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.

TABLE 5

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	Sep-98	-	5.10	5.70	5.90	4.90	5.30	-	-	-	-	7.30
(S.U.)	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
Temperature	Sep-98	-	22	23	19	19	22	-	-	-	-	23
(°C)	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
Conductivity	Sep-98	-	46	23	127	69	46	-	-	-	-	-
(uohms/cm)	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	-	-

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.

Figure

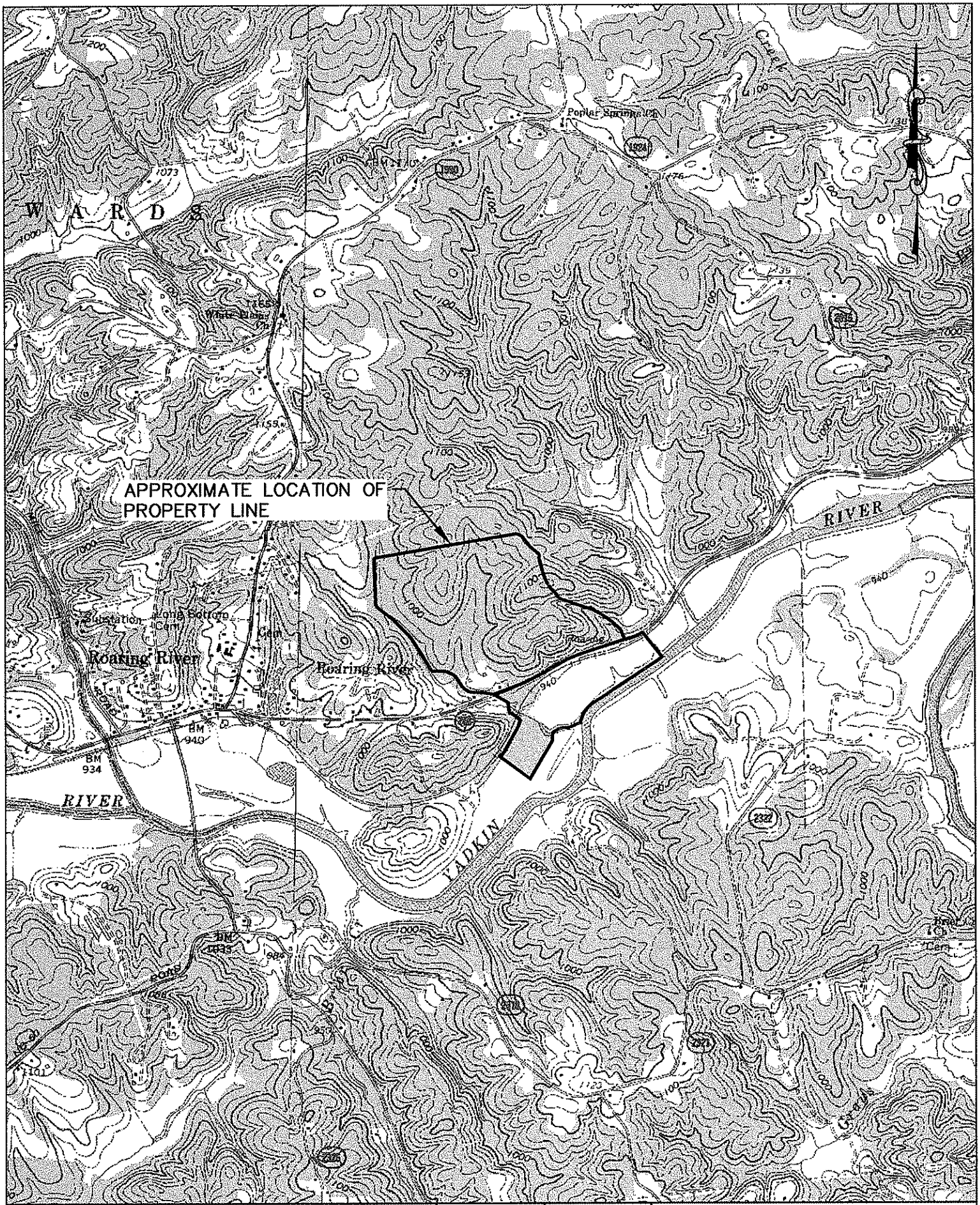

FIGURE NO. 1	JOYCE ENGINEERING, INC. 2211 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092	SCALE 1"=2000'	PROJECT NO. 356.34	SITE LOCATION MAP 2/23/07

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Drawing

LEGEND

- EXISTING 10' TOPOGRAPHIC CONTOUR
- EXISTING 2' TOPOGRAPHIC CONTOUR
- GROUNDWATER SURFACE CONTOUR [FEET ABOVE MEAN SEA LEVEL (AMSL)]
- PROPERTY LINE
- EXISTING ROAD
- APPROXIMATE LIMITS OF WASTE
- CENTERLINE OF STREAM
- TREELINE
- MW-9 943.76 — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH STATIC WATER LEVEL ELEVATION (FEET AMSL)
- GROUNDWATER FLOW DIRECTION WITH GRADIENT CALCULATION SEGMENT
- 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 06/28/07.
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.

GRAPHIC SCALE
0 50 100 200
(FEET)

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED DSG
DRAWN CADD/RFB
CHECKED DSG
APPROVED
DATE 09/07/07

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JOYCE ENGINEERING, INC.
2211 WEST MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 294-0022

WILKES COUNTY – ROARING RIVER LANDFILL
WILKES COUNTY, NORTH CAROLINA

GROUNDWATER SURFACE CONTOUR MAP
JUNE 28, 2007
PERMIT NO. 97-04

PROJECT NO.
356.34

SCALE
1"=100'

DRAWING NO.
1

h:\Dwgs\Drawings-Current\WILKES\GW EVENT MAPS\GW Event June 2007.dwg

Statistical Analyses

Summary of Statistical Analyses June 2007

Analyte	Data Distribution	Statistical Method used to Establish Background	Background (µg/L)	Noted Increases
Barium		Non-parametric Prediction Interval	850	-
Benzene		Upper Poisson Prediction Limit	4.43	-
Carbon disulfide		Upper Poisson Prediction Limit	59.54	-
Cobalt		Non-parametric Prediction Interval	174	-
Vanadium		Non-parametric Prediction Interval	205	-
Zinc		Non-parametric Prediction Interval	995	-

Notes:

1. - = No increase

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Analyte: Barium

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

Number of Data:	28
Number of Truncated Data:	24
Percentage of Truncated Data:	86%
Non-parametric Prediction Interval:	**850**

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

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Analyte: Benzene

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)	Sorted Concentration (ug/L)	
1	Jun-06	MW-2R	ND	5	1.0	5
2	Dec-06	MW-2R	ND	5	5	5
3	Jun-07	MW-2R	ND	1.0	5	5
4	Apr-04	MW-17	ND	5	5	5
5	Oct-04	MW-17	ND	5	5	5
6	May-05	MW-17	ND	5	5	5
7	Oct-05	MW-17	ND	5	5	5
8	Apr-04	MW-18	ND	5	5	5
9	Oct-04	MW-18	ND	5	5	5
10	May-05	MW-18	ND	5	5	5
11	Oct-05	MW-18	ND	5	5	1.0

Number of Data: 11
Number of Truncated Data: 11
Percentage of Truncated Data: 100%

Upper Poisson Prediction Limit: 4.43

- All concentrations in micrograms per liter.
- ND = Non-detect
- MW-17 and MW-18 data are from background sampling events.

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Upper Poisson Prediction Limit

Analyte: Benzene

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	PQL/RL (ug/l)	Half PQL/RL	Discrete Poisson Count	Rounded Discrete Poisson Count
1	Jun-06	MW-2R	ND	5	2.5	5	5
2	Dec-06	MW-2R	ND	5	2.5	5	5
3	Jun-07	MW-2R	ND	1.0	0.5	1.0	1.0
4	Apr-04	MW-17	ND	5	2.5	5	5
5	Oct-04	MW-17	ND	5	2.5	5	5
6	May-05	MW-17	ND	5	2.5	5	5
7	Oct-05	MW-17	ND	5	2.5	5	5
8	Apr-04	MW-18	ND	5	2.5	5	5
9	Oct-04	MW-18	ND	5	2.5	5	5
10	May-05	MW-18	ND	5	2.5	5	5
11	Oct-05	MW-18	ND	5	2.5	5	5

Poisson Discrete Distribution Adjustment Factor: 2

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Poisson Prediction Limit, y*, is determined by:

$$y^* = c\,y + [(t^2)\,c / 2] + t\,c\,[y\,(1 + (1/c)) + ((t^2) / 4)]^{0.5}$$

where:

c = k / n
y = Poisson count
t = t(n-1, 0.95), Student's t-distribution
n-1 = degrees of freedom (number of samples - 1)
k = number of downgradient samples per event (1)
.95 = confidence interval
n = number of background samples

For:

c = 0.091
y = 51.00
t = 1.812
n = 11

y* = 8.86
Adjusted y* = 4.43

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Analyte: Carbon Disulfide

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)	Sorted Concentration (ug/L)	
1	Jun-06	MW-2R	ND	100	100	100
2	Dec-06	MW-2R	ND	100	100	100
3	Jun-07	MW-2R	ND	100	100	100
4	Apr-04	MW-17	ND	100	100	100
5	Oct-04	MW-17	ND	100	100	100
6	May-05	MW-17	ND	100	100	100
7	Oct-05	MW-17	ND	100	100	100
8	Apr-04	MW-18	ND	100	100	100
9	Oct-04	MW-18	ND	100	100	100
10	May-05	MW-18	ND	100	100	100
11	Oct-05	MW-18	ND	100	100	100

Number of Data: 11
Number of Truncated Data: 11
Percentage of Truncated Data: 100%

Upper Poisson Prediction Limit: 59.54

- All concentrations in micrograms per liter.
- ND = Non-detect
- MW-17 and MW-18 data are from background sampling events.

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Upper Poisson Prediction Limit

Analyte: Carbon Disulfide

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)	PQL/RL (ug/l)	Half PQL/RL	Discrete Poisson Count	Rounded Discrete Poisson Count
1	Jun-06	MW-2R	ND	100	50	100	100
2	Dec-06	MW-2R	ND	100	50	100	100
3	Jun-07	MW-2R	ND	100	50	100	100
4	Apr-04	MW-17	ND	100	50	100	100
5	Oct-04	MW-17	ND	100	50	100	100
6	May-05	MW-17	ND	100	50	100	100
7	Oct-05	MW-17	ND	100	50	100	100
8	Apr-04	MW-18	ND	100	50	100	100
9	Oct-04	MW-18	ND	100	50	100	100
10	May-05	MW-18	ND	100	50	100	100
11	Oct-05	MW-18	ND	100	50	100	100

Poisson Discrete Distribution Adjustment Factor: 2

Note: All sample concentrations are micrograms per liter

Using the background data, the upper Poisson Prediction Limit, y*, is determined by:

$$y^* = c\,y + [(t^2)\,c / 2] + t\,c\,[y\,(1 + (1/c)) + ((t^2) / 4)]^{0.5}$$

where:

c = k / n
y = Poisson count
t = t(n-1, 0.95), Student's t-distribution
n-1 = degrees of freedom (number of samples - 1)
k = number of downgradient samples per event (1)
.95 = confidence interval
n = number of background samples

For:

c = 0.091
y = 1100.00
t = 1.812
n = 11

y* = 119.08
Adjusted y* = 59.54

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Analyte:	Cobalt					
Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)	Sorted Concentration (ug/L)	
1	Apr-94	MW-2	68	50	10	50
2	Oct-94	MW-2	174	10	10	10
3	Apr-95	MW-2	148	10	10	10
4	Oct-95	MW-2	ND	10	10	10
5	Apr-96	MW-2	78	10	10	10
6	Nov-96	MW-2	93	10	10	10
7	Mar-97	MW-2	60	10	10	10
8	Sep-97	MW-2	77	10	10	10
9	Mar-98	MW-2	66	10	10	10
10	Sep-98	MW-2	57	10	10	10
11	Apr-02	MW-2R	ND	10	10	10
12	Nov-02	MW-2R	ND	10	10	10
13	May-03	MW-2R	13	10	10	10
14	Nov-03	MW-2R	ND	10	10	10
15	Apr-04	MW-2R	ND	10	10	10
16	Oct-04	MW-2R	ND	10	10	10
17	May-05	MW-2R	ND	10	10	10
18	Oct-05	MW-2R	ND	10	10	10
19	Jun-06	MW-2R	ND	10	10	10
20	Dec-06	MW-2R	ND	10	10.0	10
21	Jun-07	MW-2R	ND	10.0	10	10.0
22	Apr-04	MW-17	ND	10	10	10
23	Oct-04	MW-17	ND	10	10	10
24	May-05	MW-17	ND	10	10	10
25	Oct-05	MW-17	ND	10	10	10
26	Apr-04	MW-18	ND	10	10	10
27	Oct-04	MW-18	ND	10	10	10
28	May-05	MW-18	ND	10	10	10
29	Oct-05	MW-18	ND	10	50	10

Number of Data: 29
Number of Truncated Data: 19
Percentage of Truncated Data: 66%

Non-parametric Prediction Interval: 174

- All concentrations in micrograms per liter.
- ND = Non-detect

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Analyte: Vanadium

Sample No.	Sample Date	Location	Concentration (ug/L)	Quantitation Limit (ug/L)	Sorted Concentration (ug/L)	
1	Apr-94	MW-2	ND	80	25	80
2	Oct-94	MW-2	138	40	25.0	40
3	Apr-95	MW-2	205	40	40	40
4	Oct-95	MW-2	ND	40	40	40
5	Apr-96	MW-2	148	40	40	40
6	Nov-96	MW-2	156	40	40	40
7	Mar-97	MW-2	101	40	40	40
8	Sep-97	MW-2	125	40	40	40
9	Mar-98	MW-2	43	40	40	40
10	Sep-98	MW-2	44	40	40	40
11	Apr-02	MW-2R	ND	40	40	40
12	Nov-02	MW-2R	ND	40	40	40
13	May-03	MW-2R	ND	40	40	40
14	Nov-03	MW-2R	ND	40	40	40
15	Apr-04	MW-2R	ND	40	40	40
16	Oct-04	MW-2R	ND	40	40	40
17	May-05	MW-2R	ND	40	40	40
18	Oct-05	MW-2R	ND	40	40	40
19	Jun-06	MW-2R	ND	40	40	40
20	Dec-06	MW-2R	ND	25	40	40
21	Jun-07	MW-2R	ND	25.0	40	40
22	Apr-04	MW-17	ND	40	40	40
23	Oct-04	MW-17	ND	40	40	40
24	May-05	MW-17	ND	40	40	40
25	Oct-05	MW-17	ND	40	40	40
26	Apr-04	MW-18	ND	40	40	40
27	Oct-04	MW-18	ND	40	40	40
28	May-05	MW-18	ND	40	40	25.0
29	Oct-05	MW-18	ND	40	80	25

Number of Data: 29
Number of Truncated Data: 21
Percentage of Truncated Data: 72%

Non-parametric Prediction Interval: 205

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

JEI Project: Roaring River Landfill - Wilkes County
Project No: 356.34
Date: 06/28/07

Analyte: Zinc

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

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

RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations

26 July 2007

Joyce Engineering
2211 West Meadowview Road Suite 101
Greensboro, North Carolina 27407
Attention: Mr. Jeremy Kerley

RE: County of Wilkes - Landfills

Dear Mr. Kerley:

Enclosed is one (1) copy of the analytical results, monitoring well logs, and chain of custodies for samples collected at the Wilkes County Roaring River Landfill, Dan Johnson Landfill, and Germanton Landfill (June 2007) prepared by Research & Analytical Laboratories, Inc.

If you should have any questions concerning this report please feel free to contact me at any time.

Sincerely,

RESEARCH & ANALYTICAL LABORATORIES, INC.

James M. Cheshire
President/CEO

JMC/sl

enclosures

RECEIVED JUL 30 2007

P.O. Box 473 • 106 Short Street • Kernersville, North Carolina 27284 • 336-996-2841 • Fax 336-996-0326
www.researchandanalytical.com

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	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-2R	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-2R	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-2R	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-2R	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-2R	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-2R	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-2R	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-2R	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-2R	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-2R	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-2R	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-2R	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-2R	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592808

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	6.0	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-39-3	15	Barium	**11.2**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-47-3	51	Chromium	**1.1**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-50-8	54	Copper	**7.6**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-02-0	152	Nickel	**1.8**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-2R	7440-66-6	213	Zinc	**12.4**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592808

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-5	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-5	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-5	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-5	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-5	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-5	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-5	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-5	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-5	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-5	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-5	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-5	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592809

N/A = Not Applicable

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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-5	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-39-3	15	Barium	**139**	ug/L		1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-47-3	51	Chromium	**2.9**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-48-4	53	Cobalt	**20.1**	ug/L		1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-50-8	54	Copper	**9.2**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7439-92-1	131	Lead	**2.0**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-02-0	152	Nickel	**8.2**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-5	7440-66-6	213	Zinc	**53.6**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592809

N/A = Not Applicable

U = Not detected.

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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-7	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-7	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-7	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-7	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-7	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-7	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-7	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-7	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-7	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-7	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-7	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-7	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-7	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-7	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592810

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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-7	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-39-3	15	Barium	**560**	ug/L		1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-47-3	51	Chromium	**2.7**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-48-4	53	Cobalt	**5.0**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-50-8	54	Copper	**7.6**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7439-92-1	131	Lead	**4.0**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-02-0	152	Nickel	**5.6**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-62-2	209	Vanadium	**17.4**	ug/L	J	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-7	7440-66-6	213	Zinc	**91.8**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592810

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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	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-8	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-8	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	75-15-0	35	Carbon Disulfide	**2.7**	ug/L	J	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-8	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-8	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-8	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-8	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-8	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-8	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-8	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-8	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-8	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-8	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-8	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592811

N/A = Not Applicable

U = Not detected.
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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-8	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-39-3	15	Barium	**9.8**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-47-3	51	Chromium	**2.9**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-50-8	54	Copper	**9.1**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-02-0	152	Nickel	**3.0**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-8	7440-66-6	213	Zinc	**14.9**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592811

N/A = Not Applicable

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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	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-9	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-9	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-9	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-9	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-9	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-9	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-9	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-9	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-9	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-9	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-9	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592812

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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	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-39-3	15	Barium	**58.4**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-47-3	51	Chromium	**1.3**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-48-4	53	Cobalt	**1.3**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-50-8	54	Copper	**4.7**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-02-0	152	Nickel	**4.0**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-9	7440-66-6	213	Zinc	**50.8**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592812

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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	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	71-43-2	16	Benzene	**0.6**	ug/L	J	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-12D	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-12D	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	75-15-0	35	Carbon Disulfide	**1.1**	ug/L	J	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-12D	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-12D	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-12D	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-12D	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-12D	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-12D	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-12D	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-12D	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-12D	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-12D	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-12D	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592813

N/A = Not Applicable

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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	**2.4**	ug/L	J	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-39-3	15	Barium	**12.3**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-47-3	51	Chromium	**3.0**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-48-4	53	Cobalt	**1.0**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-50-8	54	Copper	**15.8**	ug/L		1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-02-0	152	Nickel	**4.3**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-62-2	209	Vanadium	**27.7**	ug/L		1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-12D	7440-66-6	213	Zinc	**21.4**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592813

N/A = Not Applicable

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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-17	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-17	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-17	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-17	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	MW-17	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	MW-17	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	MW-17	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-17	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	MW-17	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-17	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	MW-17	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	MW-17	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	MW-17	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	MW-17	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592814

N/A = Not Applicable

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J = Estimated results. Present but below reporting limit.
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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-17	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-39-3	15	Barium	**118**	ug/L		1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-47-3	51	Chromium	**5.0**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-48-4	53	Cobalt	**2.7**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-50-8	54	Copper	**8.1**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7439-92-1	131	Lead	**1.9**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-02-0	152	Nickel	**4.6**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-62-2	209	Vanadium	**7.6**	ug/L	J	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	MW-17	7440-66-6	213	Zinc	**43.5**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592814

N/A = Not Applicable

U = Not detected.
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B = Lab blank contamination.
µg/L = micrograms per Liter = parts per billion (ppb)

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	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Leachate	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Leachate	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Leachate	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	Leachate	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	Leachate	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	Leachate	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Leachate	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	Leachate	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Leachate	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Leachate	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Leachate	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Leachate	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	Leachate	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

NE = Not Established
U = Not detected.
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B = Lab blank contamination.
μg/L = micrograms per Liter = parts per billion (ppb)

RAL Sample #: 592818

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	1.2	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-38-2	14	Arsenic	5.5	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-39-3	15	Barium	**57.1**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-41-7	23	Beryllium	0.2	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	744-43-9	34	Cadmium	0.2	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-47-3	51	Chromium	**8.3**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-48-4	53	Cobalt	**14.7**	ug/L		1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-50-8	54	Copper	**10.1**	ug/L		1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7439-92-1	131	Lead	2.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-02-0	152	Nickel	**60.5**	ug/L		1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7782-49-2	183	Selenium	6.3	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-22-4	184	Silver	1.1	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-62-2	209	Vanadium	0.4	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7440-66-6	213	Zinc	**31.1**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7439-96-5	342	Manganese	**9.9**	ug/L		1	NE	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7439-98-7	397	Molybdenum	**2.5**	ug/L	J	1	NE	1.3	06/28/2007	06/29/2007	07/09/2007
97-04	Leachate	7439-97-6	132	Mercury	**0.19**	ug/L	J	1	0.2	0.01	06/28/2007	07/09/2007	07/10/2007
97-04	Leachate	SW316	316	BOD	**34.6**	mg/L		1	NE	2.0	06/28/2007	06/29/2007	06/29/2007
97-04	Leachate	NE	NE	Oil & Grease	5.0	mg/L	U	1	NE	5.0	06/28/2007	07/09/2007	07/09/2007
97-04	Leachate	57-12-5	58	Cyanide	**6.0**	ug/L	J	1	10.0	5.0	06/28/2007	07/05/2007	07/05/2007
97-04	Leachate	SW343	343	TSS	**40**	ug/L		1	NE	5.0	06/28/2007	06/29/2007	06/29/2007

RAL Sample #: 592818

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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	Duplicate	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	71-43-2	16	Benzene	**0.6**	ug/L	J	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Duplicate	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Duplicate	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	75-15-0	35	Carbon Disulfide	**3.3**	ug/L	J	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Duplicate	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	Duplicate	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	Duplicate	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	Duplicate	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Duplicate	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	Duplicate	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Duplicate	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Duplicate	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Duplicate	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Duplicate	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	Duplicate	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592815

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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	Duplicate	7440-36-0	13	Antimony	**2.9**	ug/L	J	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-39-3	15	Barium	**16.5**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	744-43-9	34	Cadmium	**0.3**	ug/L	J	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-47-3	51	Chromium	**3.4**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-48-4	53	Cobalt	**1.8**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-50-8	54	Copper	**16.3**	ug/L		1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-02-0	152	Nickel	**4.5**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-62-2	209	Vanadium	**27.5**	ug/L		1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	Duplicate	7440-66-6	213	Zinc	**27.7**	ug/L		1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592815

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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	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Field Blank	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Field Blank	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Field Blank	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	Field Blank	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	Field Blank	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	Field Blank	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Field Blank	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	Field Blank	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Field Blank	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Field Blank	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Field Blank	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Field Blank	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	Field Blank	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592816

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	**4.5**	ug/L	J	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-39-3	15	Barium	**5.1**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-47-3	51	Chromium	**5.2**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-50-8	54	Copper	**4.6**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-02-0	152	Nickel	**5.0**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	Field Blank	7440-66-6	213	Zinc	10.0	ug/L	U	1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592816

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	Travel Blank	75-09-2	140	Methylene Chloride	1.0	ug/L	U	1	1.0	0.6	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-69-4	203	Trichlorofluoromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-35-4	77	1,1-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-34-3	75	1,1-Dichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	67-66-3	44	Chloroform	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	56-23-5	36	Carbon Tetrachloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	78-87-5	82	1,2-Dichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	79-01-6	201	Trichloroethene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	124-48-1	66	Dibromochloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	79-00-5	202	1,1,2-Trichloroethane	5.0	ug/L	U	1	5.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	127-18-4	192	Tetrachloroethene	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	108-90-7	39	Chlorobenzene	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	156-60-5	79	Trans-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	107-06-2	76	1,2-Dichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	71-55-6	200	1,1,1-Trichloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-27-4	29	Bromodichloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	10061-01-5	86	Cis-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	71-43-2	16	Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	10061-02-6	87	Trans-1,3-Dichloropropene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-25-2	30	Bromoform	3.0	ug/L	U	1	3.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	79-34-5	191	1,1,2,2-Tetrachloroethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	108-88-3	196	Toluene	1.0	ug/L	U	1	1.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	100-41-4	110	Ethyl Benzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	74-87-3	137	Chloromethane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	74-83-9	136	Bromomethane	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-01-4	211	Vinyl Chloride	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-00-3	41	Chloroethane	10.0	ug/L	U	1	10.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	67-64-1	3	Acetone	100	ug/L	U	1	100	1.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	75-15-0	35	Carbon Disulfide	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	108-05-4	210	Vinyl Acetate	50.0	ug/L	U	1	50.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	78-93-3	141	2-Butanone	100	ug/L	U	1	100	0.9	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	108-10-1	147	4-Methyl-2-Pentanone	100	ug/L	U	1	100	1.0	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	591-78-6	124	2-Hexanone	50.0	ug/L	U	1	50.0	1.4	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	100-42-5	186	Styrene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	1330-20-7	346	Total Xylenes	4.0	ug/L	U	1	4.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	107-13-1	8	Acrylonitrile	200	ug/L	U	1	200	12.4	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	95-50-1	69	1,2-Dichlorobenzene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	106-46-7	71	1,4-Dichlorobenzene	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	110-57-6	73	Trans-1,4-Dichloro-2-butene	100	ug/L	U	1	100	0.5	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	156-59-2	78	Cis-1,2-Dichloroethene	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	74-88-4	142	Methyl Iodide	10.0	ug/L	U	1	10.0	0.2	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	74-97-5	28	Bromochloromethane	3.0	ug/L	U	1	3.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	74-95-3	139	Dibromomethane	10.0	ug/L	U	1	10.0	0.3	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	630-20-6	190	1,1,1,2-Tetrachloroethane	5.0	ug/L	U	1	5.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	96-18-4	206	1,2,3-Trichloropropane	1.0	ug/L	U	1	1.0	0.1	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	92-12-8	67	1,2-Dibromo-3-Chloropropane(DBCP)	1.0	ug/L	U	1	1.0	0.5	06/28/2007	N/A	07/12/2007
97-04	Travel Blank	106-93-4	68	1,2-Dibromoethane (EDB)	1.0	ug/L	U	1	1.0	0.2	06/28/2007	N/A	07/12/2007

RAL Sample #: 592817

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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	Travel Blank	7440-36-0	13	Antimony	6.0	ug/L	U	1	6.0	1.2	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-38-2	14	Arsenic	10.0	ug/L	U	1	10.0	5.5	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-39-3	15	Barium	**4.6**	ug/L	J	1	100	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-41-7	23	Beryllium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	744-43-9	34	Cadmium	1.0	ug/L	U	1	1.0	0.2	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-47-3	51	Chromium	**1.0**	ug/L	J	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-48-4	53	Cobalt	10.0	ug/L	U	1	10.0	0.7	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-50-8	54	Copper	**5.2**	ug/L	J	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7439-92-1	131	Lead	10.0	ug/L	U	1	10.0	2.0	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-02-0	152	Nickel	**2.5**	ug/L	J	1	50.0	0.6	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7782-49-2	183	Selenium	10.0	ug/L	U	1	10.0	6.3	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-22-4	184	Silver	10.0	ug/L	U	1	10.0	1.1	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-28-0	194	Thallium	5.5	ug/L	U	1	5.5	2.7	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-62-2	209	Vanadium	25.0	ug/L	U	1	25.0	0.4	06/28/2007	06/29/2007	07/09/2007
97-04	Travel Blank	7440-66-6	213	Zinc	10.0	ug/L	U	1	10.0	2.7	06/28/2007	06/29/2007	07/09/2007

RAL Sample #: 592817

N/A = Not Applicable

U = Not detected.
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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, 28 June 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	**120**	**114**	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	**91**	**92**	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	**97**	**97**	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	**98**	**96**	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	**82**	**79**	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: **592808-17**

% = Percent

ND = Non Detected

N/A = Not Available

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, 28 June 2007)

Inorganics Appendix I Parameter	Prep. Blank %	ICV Recovery %	CCV Recovery %	LCS Recovery %	Spike Recovery %	% Difference
Arsenic	BDL	100	101 101	100	103	0
Antimony	BDL	109	91 100	90	86	0
Barium	BDL	103	100 101	98	107	0
Berryllium	BDL	99	98 98	98	102	0
Cadmium	BDL	101	99 101	98	104	0
Chromium	BDL	101	95 96	93	99	0
Cobalt	BDL	106	100 101	93	96	0
Copper	BDL	97	101 101	98	103	0
Lead	BDL	102	100 102	99	101	0
Nickel	BDL	103	100 101	97	99	0
Selenium	BDL	101	99 101	103	94	0
Silver	BDL	100	98 99	96	100	0
Thallium	BDL	102	98 98	95	96	0
Vanandium	BDL	104	98 100	97	104	0
Zinc	BDL	103	99 100	97	107	0

COMMENTS: 592808-17

% = 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
Phone (336) 996-2841

CHAIN OF CUSTODY RECORD

COMPANY: Wilkes County Landfills
STREET ADDRESS:
CITY, STATE, ZIP:
CONTACT: PHONE:
JOB NO.:
PROJECT: Roaring River
SAMPLER NAME (PLEASE PRINT): Glenn Rice
SAMPLER SIGNATURE:

SAMPLE NUMBER (LAB USE ONLY)	DATE	TIME	COMP	GRAB	TEMP °C	RES Cl	CHLORINE REMOVED (Y or N)	SAMPLE MATRIX (S or W)	SAMPLE LOCATION / I.D.	NO. OF CONTAINERS	2L G (BNA, Herb. / Pest.)	2 40ml Vials (VOA) HCL	250ml G (TOX)	250ml P (TOC) H_2SO_4	1L P.G (BOD, TSS, Unpreserved, etc.)	1L G (Phenol, Oil & Grease) H_2SO_4	1L P. G (COD, N, P) H_2SO_4	1L P. G (Metals, Hardness) HNO_3	1L P. G (CYANIDE) NaOH	Sterile P. G (Coliform)				REQUESTED ANALYSIS
											WATER / WASTEWATER										MISC.			
592808	6/28/17	1022		✓				W	MW-2R	6	4			1				1						* See Remarks
809		1010		✓				W	MW-5	6	4			1				1						
810		0930		✓				W	MW-7	6	4			1				1						
811		0938		✓				W	MW-8	6	4			1				1						
812		1001		✓				W	MW-9	6	4			1				1						
813		1035		✓				W	MW-12D	6	4			1				1						
814		1012		✓				W	MW-17	6	4			1				1						
				✓				W	~~MW-18~~	6	4			1				1						
815		1035		✓				W	Duplicate	6	4			1				1						
816		0918		✓				W	FB	5	4			~~1~~				1						Remarks (no cond)
817		0600		✓				W	TB	5	4			~~1~~				1						Remarks (No Cond)
818	✓	0947		✓				W	Leachate	10	4			2	2			1	1					Remarks + Hg, Mn, OG, CN, BOD, TSS, Mo

RELINQUISHED BY	DATE/TIME	RECEIVED BY
	6/28/17	
RELINQUISHED BY	DATE/TIME	RECEIVED BY
	6-28-17 14:19	

REMARKS: * Sb, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Se, Ag, Ti, V, Zn, VOA 8260, Cond

SAMPLE TEMPERATURE AT RECEIPT 3.2 °C

GROUNDWATER MONITORING FIELD LOG

			Personnel Present:	**Comments:**
Facility	**Wilkes County**		**Glenn Price**	***Well casing bent - 60'**
	Roaring River Landfill	**June 28, 2007**		**down well - unable to get bailer**
Weather	**81° F Clear**	**Date**		**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.)	77.58	36.54	37.60	39.68	39.64	28.96	76.49	101.44	101.51	20.15	46.76		
Water Depth (FT.)	38.15	1.57	0	2.09	18.86	8.61	0.26	2.56	32.49	4.48	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.)	6.10	0.25	0.16	0.33	3.02	1.38	0.04	0.41	5.19	0.72	0.01		
Volume (GAL.) X 3	18.31	0.75	***Well***	1.00	9.05	4.13	***Well***	1.23	15.60	2.15	***Well***		
# Bails (L)	74	4	***Dry***	5	37	17	***Dry***	5	63	9	***Dry***		
Purge Date	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07		
Purge Time (hrs.)	0835	0741		0705	0707	0720		**Bailer unable**	0849	0754			
Purge Method	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**to contact**	**Bailer**	**Bailer**	**Bailer**		
Volume Removed (GAL.)	18.50	0.50-Dry		0.50-Dry	9.25	4.25		**water**	5.50-Dry	2.25			
Sampling Date	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07	06/28/07		06/28/07
Sampling Time (hrs.)	1022	1010		0930	0938	1001			1035	1012			0947
Sampling Method	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**	**Bailer**		**Grab-direct**
pH (Standard Units)	6.99	6.16		5.80	5.79	5.36			9.98	5.24			8.47
Temperature (EC)	20.9	21.0		19.4	20.1	20.6			22.0	20.6			27.6
Conductivity (µmhos/cm)	210	50.6		113	53.3	41.9			586	36.4			
Dissolved Oxygen (mg/L)													
Observations/Sampling	**Clear**	**Clear**		**Sl. Turbid**	**Clear**	**Clear**		.	**Clear**	**Clear**			**Clear**

* Duplicate