Old Highlands Landfill

Permit No. 57-02

Highlands C & D Landfill

Permit No. 57-04

Water Quality Monitoring Program
2nd Semi-Annual 2007 Report

March 2008

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Improving the environment, one client at a time...

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In preparing this report, the professional services of REI Consultants, Inc. have been performed, findings obtained, and conclusions reached in accordance with present State and Federal regulations, and generally accepted review principles and practices. Questions regarding any of the information presented in this report should be directed to REIC headquarters at (304) 255-2500.

Respectfully submitted,

3-14-08

NORTH CAROLINA PROFESSIONAL SEAL 028029 3-14-08 ENGINEER MICHAEL P. HOFE

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1.0 EXECUTIVE SUMMARY

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2007 for the Old Highlands Landfill, Permit No. 57-02, and Highlands C&D Landfill, Permit No. 57-04, located in Macon County, North Carolina. Old Highlands Landfill is a closed municipal solid waste disposal facility, while Highlands C&D Landfill is an active construction and demolition (C&D) landfill. Water quality monitoring at the facilities is performed on a semi-annual basis and consists of sampling groundwater monitoring wells and surface water locations in the vicinity of the landfills, a water supply well located on the landfill property, and residential water supply sources adjacent to the facility. This report has been prepared in accordance with NCAC 13B Section .1632(j).

The 2nd semi-annual monitoring event was performed on October 15, 2007. Groundwater samples were collected from thirteen (13) monitoring wells associated with Old Highlands Landfill and two (2) monitoring wells associated with Highlands C&D Landfill. In addition, samples were collected from one (1) surface water location and four (4) water supply sources. All samples were analyzed for North Carolina Appendix I parameters. Results of laboratory analysis, statistical analysis, and hydrologic evaluations are given below for each facility.

Old Highlands Landfill

Volatile organic compounds (VOCs) that were detected in monitoring wells above laboratory practical quantitation limits (PQLs) are given in the following table:

Parameter	Monitoring Well
Benzene	MW-1, MW-4, MW-4A, MW-5C, MW-7
Chlorobenzene	MW-4A
1,4-Dichlorobenzene	MW-1, MW-2, MW-4, MW-4A, MW-7
cis-1,2-Dichloroethene	MW-2, MW-5, MW-5A, MW-5B, MW-5C
Ethylbenzene	MW-4A, MW-7
Methylene chloride	MW-7
Toluene	MW-1, MW-4A, MW-7
Vinyl Chloride	MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, MW-5C
Xylenes	MW-1, MW-4A, MW-7

The following VOCs were detected above North Carolina groundwater standards in monitoring wells:

Parameter	Monitoring Well
Benzene	MW-1, MW-4, MW-4A, MW-5C, MW-7
1,4-Dichlorobenzene	MW-1, MW-4, MW-4A, MW-7
Vinyl Chloride	MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, MW-5C

Statistical analysis of monitoring well analytical results for metals yielded the following elevations:

Parameter	**Monitoring Well**
Arsenic	MW-5B
Lead	MW-4

No metals were detected above North Carolina groundwater standards in the monitoring wells with the exception of lead in well MW-4.

Samples were collected from one surface water location, designated as Spring B. Spring A was dry during the event and was not sampled. No Appendix I parameters were detected the Spring B sample with the exception of methylene chloride and zinc, both of which were detected at concentrations less than North Carolina groundwater standards.

Three adjacent residential water supply sources were sampled, designated as Chastain Well, Chastain Spring, and McCall Well. No Appendix I parameters were detected in the residential water supply samples with the exception of copper and zinc in the Chastain Well and McCall Well, and zinc in the Chastain Spring. The concentrations of copper and zinc were below the respective North Carolina groundwater standards.

Static groundwater elevations were measured in each monitoring well prior to sampling. These measurements were converted to groundwater elevations, which were used to develop generalized potentiometric contours for the uppermost aquifer in the vicinity of the Old Highlands Landfill. Groundwater in the uppermost aquifer appears to be flowing to the south, east, and northeast in the vicinity of the waste area.

The average groundwater flow rate across the landfill has been estimated at 60 feet/year.

Highlands C&D Landfill

Samples were collected from two monitoring wells, a surface water location, and a water supply well located on the landfill property. No Appendix I parameters were detected in any of the samples collected.

Static groundwater elevations were measured in each monitoring well prior to sampling. These measurements were converted to groundwater elevations, which were used to develop generalized potentiometric contours for the uppermost aquifer in the vicinity of the Highlands C&D Landfill. Groundwater in the uppermost aquifer appears to be flowing to the northeast in the vicinity of the waste area. The average groundwater flow rate across the landfill has been estimated at 60 feet/year.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2007 for the Old Highlands Landfill, Permit No. 57-02, and Highlands C&D Landfill, Permit No. 57-04. The two facilities, which are located approximately two miles south of Highlands, North Carolina, are situated adjacent to each other on a tract of property owned by Macon County. Old Highlands Landfill is a closed municipal solid waste disposal facility, and Highlands C&D Landfill is an active construction and demolition (C&D) landfill.

The groundwater monitoring well network at the Old Highlands Landfill consists of wells MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, MW-5C, MW-6, MW-6A, MW-6C, MW-7, and MW-8. For the Highlands C&D Landfill, groundwater monitoring wells MW-A and MW-B are sampled (see Figure, Section 7.0, for locations). Monitoring well MW-8 is located hydraulically upgradient of the waste areas, and therefore is designated as the background well for both facilities. All wells are sampled semi-annually, and are analyzed for North Carolina Appendix I parameters.

In addition to the above monitoring wells, samples are collected from three (3) surface water locations, designated as SW-1, Spring A, and Spring B; one (1) on-site water supply well, WSW-1; and three (3) residential water supply source locations adjacent to the landfill property, designated as Chastain Spring, Chastain Well, and McCall Well. All samples are analyzed semi-annually for Appendix I parameters. A fourth residential water supply well, designated the Hicks Well, has not been sampled since October, 2002; it is believed that the associated residence is no longer occupied.

For the 2nd semi-annual 2007 monitoring event, field sampling was performed on October 15, 2007. Samples were collected from all of the above locations with the exception of Spring A, which was dry during the event.

3.0 HYDROLOGIC EVALUATION

Static water levels were measured from the top of casing (TOC) prior to purging in all wells during the sampling event. These water level measurements, in conjunction with surveyed TOC elevation data, were used to calculate static groundwater elevations in each well. Groundwater elevation data from the 2nd semi-annual monitoring event was contoured to represent the potentiometric surface of the uppermost aquifer in the vicinity of the landfill. Elevation data and the influence of topographical features were utilized to estimate contours. A copy of the resulting potentiometric map is included in this report (see Figure).

The majority of the wells at the facility appear to be screened in the soil/saprolite layer overlying the resident bedrock. Wells MW-1, MW-2, and MW-5B are installed in bedrock. Bedrock aquifer potentiometric contours were not plotted due to the lack of a sufficient number of data points to accurately portray the deeper aquifer.

Generally, groundwater appears to be flowing to the south, east, and northeast in the vicinity of the Old Highlands Landfill waste area. In the vicinity of the Highlands C&D Landfill, groundwater appears to be flowing to the northeast.

Previous investigators conducted in-situ aquifer slug tests in order to estimate typical hydraulic conductivities at the site. Elevation data from the shallow aquifer potentiometric map was utilized to estimate hydraulic gradients across the facility. This information has been applied in a form of Darcy's Law to calculate the groundwater seepage velocity in the upper-most aquifer across each landfill at the

site. The average groundwater flow rate under the closed landfill has been estimated at 60 feet/year. The average groundwater flow rate in the vicinity of the C&D landfill is also estimated at 60 feet/year. Groundwater flow rate calculations are included in Appendix A.

4.0 SAMPLING AND LABORATORY ANALYSIS

Monitoring wells at the Old Highlands and Highlands C&D landfills were purged and sampled using laboratory decontaminated Teflon® single check valve bailers. Field testing of pH, temperature, conductivity, and turbidity were measured to ensure adequate purging. Samples were collected in pre-cleaned and appropriately preserved containers, transported in iced coolers, and delivered to the laboratory in good condition. All wells were sampled during the 2nd semi-annual sampling event. Several groundwater samples were noted as exhibiting very high turbidity. A summary of field sampling information is included in Section 8.0, Table 1. Field sampling logs are included in Appendix B.

All samples were analyzed by REIC's North Carolina certified laboratory. The laboratory quality assurance program included all appropriate, method specific quality controls (QC). All laboratory data met the required QC criteria and stringent REIC acceptance review prior to inclusion in this report. For each facility, laboratory results are summarized as follows.

Old Highlands Landfill

Volatile organic compounds (VOCs) that were detected in monitoring wells above laboratory practical quantitation limits (PQLs) are given in the following table:

Parameter	Monitoring Well
Benzene	MW-1, MW-4, MW-4A, MW-5C, MW-7
Chlorobenzene	MW-4A
1,4-Dichlorobenzene	MW-1, MW-2, MW-4, MW-4A, MW-7
cis-1,2-Dichloroethene	MW-2, MW-5, MW-5A, MW-5B, MW-5C
Ethylbenzene	MW-4A, MW-7
Methylene chloride	MW-7
Toluene	MW-1, MW-4A, MW-7
Vinyl Chloride	MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, MW-5C
Xylenes	MW-1, MW-4A, MW-7

The following VOCs were detected above North Carolina groundwater standards in monitoring wells:

Parameter	**Monitoring Well**
Benzene	MW-1, MW-4, MW-4A, MW-5C, MW-7
1,4-Dichlorobenzene	MW-1, MW-4, MW-4A, MW-7
Vinyl Chloride	MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, MW-5C

No metals were detected above North Carolina groundwater standards in the monitoring wells with the exception of lead in well MW-4.

Samples were collected from one surface water location, designated as Spring B. Spring A was dry during the sampling event. No Appendix I parameters were detected in Spring B with the exception of methylene chloride and zinc, both of which were below North Carolina groundwater standards. Three adjacent residential water supply sources were sampled, designated as Chastain Spring, Chastain Well and McCall Well. No Appendix I parameters were detected in the residential water supply samples with the exception of copper and zinc in the Chastain Well and McCall Well, and zinc in the Chastain Spring. The concentrations of copper and zinc were below North Carolina groundwater standards.

A summary of laboratory results in included in Table 2, in Section 8.0. Laboratory reports and chain-of-custody records are included in Appendix C. Historical results are given in Appendix D.

Highlands C&D Landfill

Samples were collected from two monitoring well and a water supply well located on the landfill property. Surface sample location SW-1 was dry during the event. No Appendix I parameters were detected with the exception of zinc below the North Carolina groundwater standard in wells MW-A, MW-B, and WSW-1. Laboratory reports and chain-of-custody records are included in Appendix E.

5.0 STATISTICAL ANALYSIS

A statistical analysis was conducted for the 2nd semi-annual 2007 sampling event. Monitoring constituents were evaluated under the guidelines of "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance" (U.S. EPA Office of Solid Waste, July 1992). Downgradient well constituent concentrations were compared to upper prediction limits derived from historical data from the upgradient well. Prediction intervals were constructed as follows. For constituents where more than 15 but less than 50 percent of the data were below PQLs, parametric prediction intervals modified by Cohen's Adjustment were utilized. Tables from "Statistical Methods for Groundwater Monitoring", (Robert D. Gibbons, 1994) were utilized to calculate parametric limits (see Appendix F). For constituents where greater than 50 percent of the data were below PQLs, a non-parametric prediction limit was constructed using the maximum historical background measurement. Organic constituents were designated as significantly elevated when they were quantified at or above PQLs.

No statistical elevations were noted for any parameter in any of the samples collected from the wells associated with the Highlands C&D Landfill. For the Old Highlands Landfill, a summary of the VOCs detected above PQLs in the monitoring wells is as follows:

Parameter	**Monitoring Well**
Benzene	MW-1, MW-4, MW-4A, MW-5C, MW-7
Chlorobenzene	MW-4A
1,4-Dichlorobenzene	MW-1, MW-2, MW-4, MW-4A, MW-7
cis-1,2-Dichloroethene	MW-2, MW-5, MW-5A, MW-5B, MW-5C
Ethylbenzene	MW-4A, MW-7
Methylene chloride	MW-7
Toluene	MW-1, MW-4A, MW-7
Vinyl Chloride	MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, MW-5C
Xylenes	MW-1, MW-4A, MW-7

Statistical analysis of monitoring well analytical results for metals yielded the following elevations:

Parameter	**Monitoring Well**
Arsenic	MW-5B
Lead	MW-4

Statistical analyses are included in Appendix F.

6.0 CONCLUSIONS

- The 2nd semi-annual 2007 water quality monitoring event has been performed for the Old Highlands and Highlands C&D Landfills in accordance with State and Federal Guidelines.

- The direction of groundwater flow in the uppermost aquifer in the vicinity of the Old Highlands Landfill waste area is generally to the south, east, and northeast. In the vicinity of the Highlands C&D Landfill, groundwater appears to be flowing to the northeast.

- The average groundwater flow rate under both the closed and C & D landfills has been estimated at 60 feet/year.

- Several VOCs continue to be detected in compliance wells associated with the Old Highlands Landfill.

- The following VOCs were detected above North Carolina groundwater standards in compliance wells associated with the Old Highlands Landfill: benzene in wells MW-1, MW-4, MW-4A, MW-5C and MW-7; 1,4-dichlorobenzene in wells MW-1, MW-4, MW-4A, and MW-7; and vinyl chloride in wells MW-1, MW-2, MW-4, MW-4A, MW-5, MW-5A, MW-5B, and MW-5C.

- Statistical analysis of analytical results for metals for monitoring wells associated with Old Highlands Landfill yielded the following elevations: arsenic in well MW-5B and lead in well MW-4. No metals were statistically elevated in any other sample.

- Lead was detected above the North Carolina groundwater standard in well MW-4.

- Methylene chloride and zinc were detected below North Carolina groundwater standards in the sample collected from Spring B. Spring A was dry.

- Copper and zinc were detected below North Carolina groundwater standards in the Chastain Well and McCall Well residential water supply samples. In addition, zinc was detected below the North Carolina groundwater standard in the Chastain Spring sample.

- Zinc was detected below the North Carolina groundwater standard in samples collected from the monitoring wells and water supply well associated with the Highlands C&D Landfill.

7.0 Figure

MACON COUNTY
OLD HIGHLANDS AND HIGHLANDS C&D LANDFILLS

WATER QUALITY MONITORING PROGRAM
2ND SEMI-ANNUAL 2007 EVENT

LEGEND

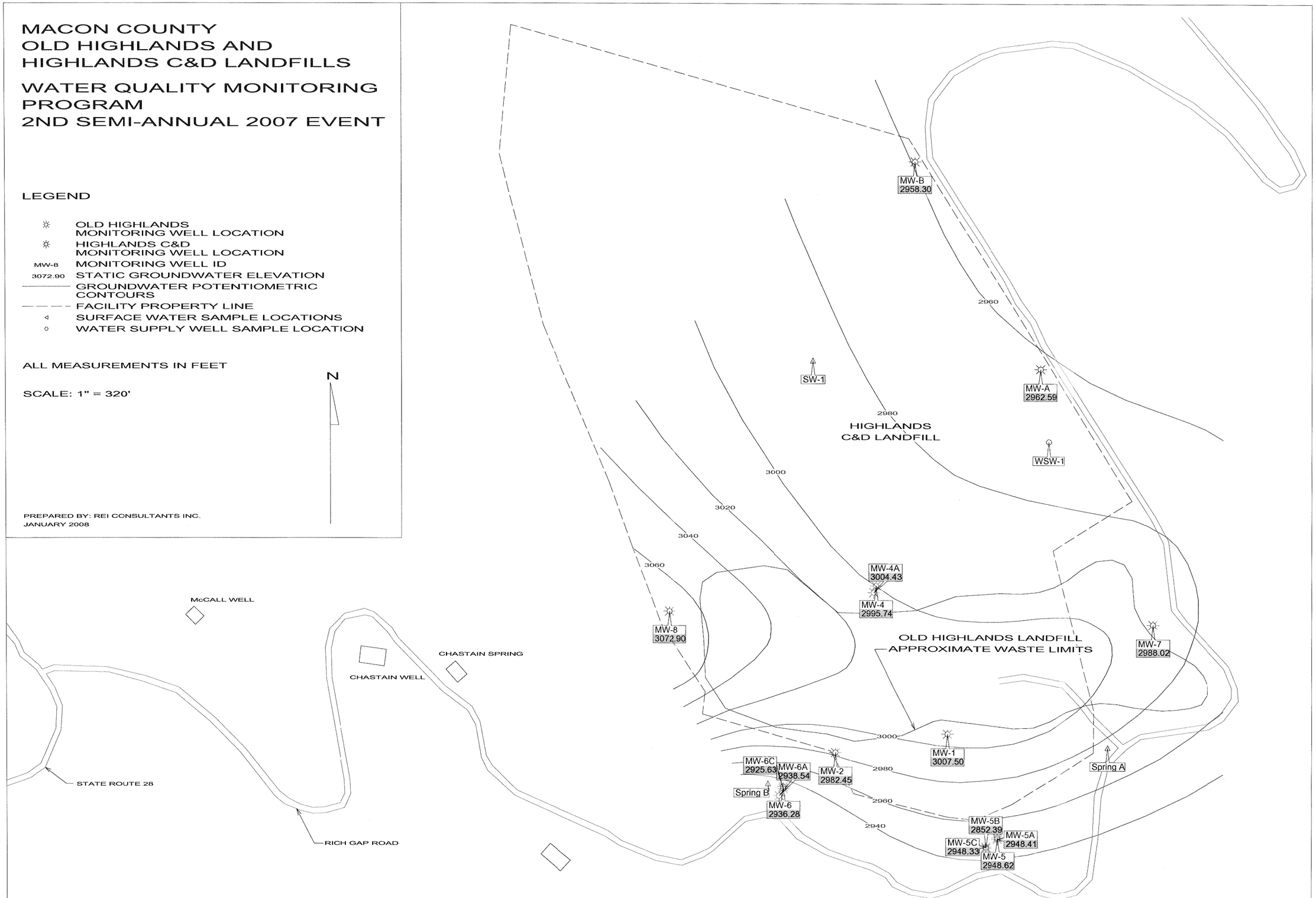
- OLD HIGHLANDS MONITORING WELL LOCATION
- HIGHLANDS C&D MONITORING WELL LOCATION
- MW-8 MONITORING WELL ID
- 3072.90 STATIC GROUNDWATER ELEVATION
- GROUNDWATER POTENTIOMETRIC CONTOURS
- FACILITY PROPERTY LINE
- SURFACE WATER SAMPLE LOCATIONS
- WATER SUPPLY WELL SAMPLE LOCATION

ALL MEASUREMENTS IN FEET

SCALE: 1" = 320'

N

PREPARED BY: REI CONSULTANTS INC.
JANUARY 2008



8.0 Tables

Table 1

Old Highlands Landfill

Permit: 57-02

2nd Semi-Annual Monitoring 2007

-Sampling Information-

Sampling Date: 10/15/2007
Sampler(s): R Farley/ A McBride/J. Logan
Weather Conditions: Sunny 75°F

		Sampling Log Summaries																	
Property	**Units**	**MW-1**	**MW-2**	**MW-4**	**MW-4A**	**MW-5**	**MW-5A**	**MW-5B**	**MW-5C**	**MW-6**	**MW-6A**	**MW-6C**	**MW-7**	**MW-8**	**Spring A**	**Spring B**	**Chastain Spring**	**Chastain Well**	**McCall Well**
Sampling Depth	**Feet**	41.12	65.70	-	14.73	23.32	21.05	192.74	36.88	21.25	11.20	37.45	36.88	40.82	NS	-	-	-	-
Static Depth	**Feet**	40.62	62.37	-	14.55	21.20	20.95	114.05	21.26	12.32	10.22	21.81	36.88	40.46	NS	-	-	-	-
Well Depth	**Feet**	44.70	71.90	-	49.95	27.60	27.67	196.55	52.00	23.30	17.68	39.65	37.88	43.10	NS	-	-	-	-
Water Column Height	**Feet**	4.08	9.53	-	35.40	6.40	6.72	82.52	30.74	10.98	7.46	17.84	1.00	2.64	NS	-	-	-	-
Volume Purged	**Liters**	7	18	-	62	5	6	57	50	7	13	17	0	5	NS	-	-	-	-
Purging Status	-----	Finished	Finished	-	Finished	Purged Dry	Purged Dry	Purged Dry	Finished	Purged Dry	Finished	Purged Dry	-	Finished	NS	-	-	-	-
									Physical Properties										
pH	**SU**	5.74	5.25	5.86	5.85	5.56	6.54	8.84	5.76	7.29	5.75	8.84	5.74	5.94	NS	8.48	6.78	6.74	6.57
Temperature	**°C**	17.1	14.6	15.8	14.4	12.7	12.4	13.6	13		15.2	14	15.1	15.1	NS	14.5	16.3	16.7	18.4
Conductivity	**umhos/cm**	560	230	551	875	106.5	116.0	523.0	359	28.3	24.8	166.4	662	22	NS	22.4	12.8	26.1	84.1
Turbidity	**NTU**	44.8	23.8	>200	5.97	17.18	>200	>200	82.5	82.6	>200	38.4	>200	190	NS	6.6	4.26	10.78	2.66
Appearance	-----	Cloudy	Cloudy	-	Clear	Clear	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	NS	Clear	Clear	Clear	Clear
		no odor	no odor	-	slight odor	no odor	no odor	no odor	no odor	no odor	no odor	no odor	strong odor	no odor	NS	no odor	no odor	no odor	no odor
TSS	**mg/L**	296	15	995	7	5	129	187	120	112	330	31	1000	826	NS	7	78	1	1

NS - No sample

Table 1 (cont'd)

Highlands C & D Landfill

Permit No. 57-04
2nd Semi-Annual Monitoring 2007

-Sampling Information-

Sampling Date: 10/15/2007
Sampler(s): R Farley/ A McBride/J. Logan
Weather Conditions: Sunny 75°F

Property	Units	MW-A	MW-B	WSW-1	SW-1
Sampling Depth	Feet	9.71	10.40	-	-
Static Depth	Feet	9.61	10.40	-	-
Well Depth	Feet	19.54	20.15	-	-
Water Column Height	Feet	9.93	9.75	-	-
Volume Purged	Liters	18	17	-	-
Purging Status	-----	Finished	Finished	-	-
Physical Properties					
pH	SU	5.12	5.34	5.37	NS
Temperature	°C	15.7	15.3	15.1	NS
Conductivity	umhos/cm	32.0	345	68.7	NS
Turbidity	NTU	10.71	85.5	2.97	NS
Appearance	-----	Clear	Cloudy	Clear	NS
		no odor	no odor	no odor	NS
TSS	mg/L	6	191	1	NS

NS - No sample

Table 2

Old Highlands Landfill

Permit: #57-02

2nd Semi Annual 2007

-Summary of Detections-

		Summary of Detections by Monitoring Well/Sampling Point																			
	Parameter	**NC 2L**	**SWSL**	**MW-1**	**MW-2**	**MW-4**	**MW-4A**	**MW-5**	**MW-5A**	**MW-5B**	**MW-5C**	**MW-6**	**MW-6A**	**MW-6C**	**MW-7**	**MW-8**	**Spring A**	**Spring B**	**Chastain Spring**	**Chastain Well**	**McCall Well**
VOCs	Benzene	**1**	1	3.7		1.7	4.1				1.5				5.2						
	Chlorobenzene	**50**	3				5.0														
	cis-1,2-Dichloroethene	**70**	5		6.2			32.2	10	34.5	34.7										
	1,4-Dichlorobenzene	**1.4**	1	5.5	1.2	1.4	4.1								11.2						
	Ethylbenzene	**550**	1				7.3								35						
	Methylene Chloride	**4.6**	1												2.2			1.1			
	Toluene	**1000**	1	1.4			1.0								150						
	Vinyl chloride	**0.015**	1	19.1	5.9	1.7	13.4	35.3	11.0	5.0	39.3										
	Xylenes	**530**	3	1.2			1.7								69.1						
Total Metals	Arsenic	**50**	10							20.1											
	Barium	**2000**	100	157		242	257								205	178					
	Beryllium	**NL**	1												1.1						
	Cobalt	**NL**	10	38.8	10.4	35.5	13.4								58.6						
	Copper	**1000**	10			27.8														17.8	26.5
	Lead	**15**	10			75.5									12.5						
	Zinc	**1050**	10	19.0	32.8	70.0	37.8	72	43.1	19.6	13.2		29.8	12.4	135	12.4		11.1	22.4	18.3	84.0
	TSS			296	15	995	7	5	129	187	120	112	330	31	1000	826		7	78	1	1

No sample

Footnotes:

SWSL - Solid Waste Section Limits
NL - constituent does not have a NC 2L Standard
BOLD red indicates that constituents exceeds NC 2L Standard
All constituents reported in ug/L.
Only constituents detected above laboratory SWSLs are listed.

Table 2 (cont'd)

Highlands C&D Landfill

Permit: #57-04

2nd Semi Annual 2007

-Summary of Detections-

	Summary of Detections by Monitoring Well						
	Parameter	**NC 2L**	**SWSL**	**MW-A**	**MW-B**	**SW-1**	**WSW-1**
VOCs	Acetone	**700**	100				
	Benzene	**1**	1				
	2-Butanone (MEK)	**4200**	100				
	cis-1,2-Dichloroethene	**70**	5				
	1,4-Dichlorobenzene	**1.4**	1				
	Ethylbenzene	**550**	1				
	Toluene	**1000**	1				
	Vinyl chloride	**0.015**	1			No sample	
	Xylenes	**530**	3				
Total Metals	Arsenic	**50**	10				
	Beryllium	**NL**	1				
	Cobalt	**NL**	10				
	Copper	**1000**	10				
	Lead	**15**	10				
	Nickel	**100**	50				
	Zinc	**1050**	10	22.7	43.2		22
	TSS			6	191		1

Footnotes:

SWSL - Solid Waste Section Limits

NL - constituent does not have a NC 2L Standard

BOLD red indicates that constituents exceeds NC 2L Standard

All constituents reported in ug/L.

Only constituents detected above laboratory SWSLs are listed.

Appendix A

Groundwater Flow Rate

Old Highlands
Flow Path

X	Y	Distance (ft)
2483.9	974.6	
2552.5	983.3	69.1
2615.3	989.2	63.1
2659.1	989.2	43.8
2721.9	987.7	62.8
2752.6	983.3	31.0
2806.6	973.1	55.0
2875.3	952.6	71.7
2932.2	929.3	61.5
2980.4	910.3	51.8
3034.4	894.2	56.3
3173.1	862.1	142.4
3319.2	837.3	148.2
3436.0	818.3	118.3
3535.3	797.9	101.4
3617.1	771.6	85.9
3681.3	738.0	72.5
3735.4	698.6	66.9
3771.9	654.8	57.0
3814.2	590.5	77.0
3833.2	561.3	34.8

Horizontal Distance	1470.5	ft
Vertical Difference	80	ft

Hydraulic gradient, I	0.054 ft/ft
K	2.8E-04 cm/sec
n_{eff}	0.25
$V = KI/n_{eff}$	63 ft/yr

Highlands C&D
Flow Path

X	Y	Distance (ft)
2469.4	1490.0	
2546.3	1551.8	98.7
2629.2	1612.1	102.5
2707.6	1654.3	89.0
2891.6	1744.7	205.0
3057.4	1844.2	193.4
3291.1	2004.0	283.1
3437.3	2127.7	191.5
3456.9	2151.8	31.1

Horizontal Distance	1194.3	ft
Vertical Difference	60	ft

Hydraulic gradient, I	0.050 ft/ft
K	2.8E-04 cm/sec
n_{eff}	0.25
$V = KI/n_{eff}$	58 ft/yr

Appendix B

Field Sample Logs

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-1
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1325 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	40.62	**(Ft)**	**Volume**	2.36 **(Liters)**
Well Depth	44.70	**(Ft)**	**3 Volumes**	7.08 **(Liters)**
Water Column Height	4.08	**(Ft)**	**Volume Purged**	7 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1330	5.72	587	17.7	9.33	1
1331	5.72	609	15.5	52.0	3
1332	5.70	586	14.8	63.4	5
1333	5.67	581	14.5	77.5	7
1333		Finished Purging			7

SAMPLING DATA

Date:	10-15-07	**Time:**	1340
Method:	Teflon Bailer	**Sampling Depth:**	41.12'
pH:	5.74/Dupe 5.74	**Conductivity:** 560/Dupe 566	**(umhos/cm)**
Temperature: 17.1/Dupe 17.1	(°C)	**Turbidity:** 44.8/Dupe 47.0	**(NTU)**

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-2
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1225 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	62.37	**(Ft)**	**Volume**	5.51 **(Liters)**
Well Depth	71.90	**(Ft)**	**3 Volumes**	16.55 **(Liters)**
Water Column Height	9.53	**(Ft)**	**Volume Purged**	18 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1230	4.88	104.7	17.8	81.9	1
1232	4.95	140.3	14.9	47.9	4
1234	5.06	166.0	14.3	45.9	8
1236	5.19	196.3	14.2	75.3	12
1238	5.27	227	14.2	37.1	16
1239		Finished Purging			16

SAMPLING DATA

Date:	10-15-07	**Time:**	1243	
Method:	Teflon Bailer	**Sampling Depth:**	65.70'	
pH:	5.25	**Conductivity:**	230	**(umhos/cm)**
Temperature:	14.6 (°C)	**Turbidity:**	23.8	**(NTU)**

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-4
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments: Well casing bent, used disposable bailer

PURGING DATA

Date/Time: 10-15-07 1431 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	23.81	**(Ft)**	**Volume**	0.72 **(Liters)**
Well Depth	25.06	**(Ft)**	**3 Volumes**	2.17 **(Liters)**
Water Column Height	1.25	**(Ft)**	**Volume Purged**	0 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)

SAMPLING DATA

Date:	10-15-07		**Time:**	1435	
Method:	Disposable Bailer		**Sampling Depth:**	23.81'	
pH:	5.86		**Conductivity:**	551	**(umhos/cm)**
Temperature:	15.8	(°C)	**Turbidity:**	>200	**(NTU)**

Odor and Physical Appearance of Sample:

Comments: Sampled only - did not purge

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-4A
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1428 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	14.55	**(Ft)**	**Volume**	20.49 **(Liters)**
Well Depth	49.95	**(Ft)**	**3 Volumes**	61.48 **(Liters)**
Water Column Height	35.40	**(Ft)**	**Volume Purged**	62 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1440	5.73	889	15.4	60.4	1
1442	5.83	899	14.5	21.0	12
1444	5.83	906	13.6	11.38	24
1446	5.82	892	13.3	5.55	36
1449	5.84	889	13.3	5.87	48
1452	5.81	887	13.3	7.66	60
1453		Finished Purging			62

SAMPLING DATA

Date:	10-15-07	**Time:**	1500		
Method:	Teflon Bailer	**Sampling Depth:**	14.73'		
pH:	5.85	**Conductivity:**	875	**(umhos/cm)**	
Temperature:	14.4 (°C)	**Turbidity:**	5.97	**(NTU)**	

Odor and Physical Appearance of Sample: Clear - slight odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-5
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		Physical Damage		X
Protective Casing Locked	X		Concrete/Grout Pad Present	X	
Cap on Well Riser	X		2" PVC Casing	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 0823 **Weather Conditions:** Clear 50°F

Static Depth (Depth to Water)	21.20	(Ft)	Volume	3.70 (Liters)
Well Depth	27.60	(Ft)	3 Volumes	11.11 (Liters)
Water Column Height	6.40	(Ft)	Volume Purged	5 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0850	5.11	114.0	12.2	2.38	1
0851	5.08	114.9	12.2	22.3	3
0852	5.09	114.9	12.1	38.7	5
0852		Purged Dry			5

SAMPLING DATA

Date:	10-15-07	**Time:**	0940	
Method:	Teflon Bailer	**Sampling Depth:**	23.32'	
pH:	5.56	**Conductivity:**	106.5	(umhos/cm)
Temperature:	12.7 (°C)	**Turbidity:**	17.18	(NTU)

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-5A
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 0820 **Weather Conditions:** Clear 50°F

Static Depth (Depth to Water)	20.95	**(Ft)**	**Volume**	3.84 **(Liters)**
Well Depth	27.67	**(Ft)**	**3 Volumes**	11.67 **(Liters)**
Water Column Height	6.72	**(Ft)**	**Volume Purged**	6 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0842	5.19	117.8	12.4	>200	1
0843	5.25	120.4	12.3	>200	3
0844	5.18	119.8	12.2	>200	5
0845		Purged Dry			6

SAMPLING DATA

Date:	10-15-07	**Time:**	0925
Method:	Teflon Bailer	**Sampling Depth:**	21.05'
pH:	6.54/Dupe 6.52	**Conductivity:**	116.0/Dupe 114.8 **(umhos/cm)**
Temperature:	12.4/Dupe 12.3 (°C)	**Turbidity:**	>200/Dupe >200 **(NTU)**

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-5B
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 0815 **Weather Conditions:** Clear 50°F

Static Depth (Depth to Water)	114.05	**(Ft)**	**Volume**	47.76 **(Liters)**
Well Depth	196.55	**(Ft)**	**3 Volumes**	143.30 **(Liters)**
Water Column Height	82.52	**(Ft)**	**Volume Purged**	57 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0825	5.65	283	13.0	1.73	1
0855	5.48	269	12.8	3.81	30
0915	9.24	769	13.2	>200	57
0915		Purged Dry			57

SAMPLING DATA

Date:	10-15-07	**Time:**	0955	
Method:	Teflon Bailer	**Sampling Depth:**	192.74'	
pH:	8.84	**Conductivity:**	523	**(umhos/cm)**
Temperature:	13.6 (°C)	**Turbidity:**	>200	**(NTU)**

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI Consultants, Inc. P.O. Box 286, Beaver, WV 25813 1-800-999-0105 fax: 1-304-255-2572 email: rlabs@reiclabs.com

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-5C
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 0855 **Weather Conditions:** Clear 65°F

Static Depth (Depth to Water)	21.26	**(Ft)**	**Volume**	17.79 **(Liters)**
Well Depth	52.00	**(Ft)**	**3 Volumes**	53.39 **(Liters)**
Water Column Height	30.74	**(Ft)**	**Volume Purged**	50 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0858	5.62	394	12.5	9.97	1
0900	5.83	400	12.4	35.0	10
0905	6.11	377	12.3	40.1	20
0909	6.24	375	12.3	32.4	30
0913	6.68	369	12.6	31.8	40
0918	6.71	375	12.5	59.6	50
0918		Finished Purging			50

SAMPLING DATA

Date:	10-15-07	**Time:**	0945		
Method:	Teflon Bailer	**Sampling Depth:**	36.88'		
pH:	5.76	**Conductivity:**	359	**(umhos/cm)**	
Temperature:	13.0 (°C)	**Turbidity:**	82.5	**(NTU)**	

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-6
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		Physical Damage		X
Protective Casing Locked	X		Concrete/Grout Pad Present	X	
Cap on Well Riser	X		2" PVC Casing	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1016 **Weather Conditions:** Clear

Static Depth (Depth to Water)	12.32	(Ft)	Volume	6.35 (Liters)
Well Depth	23.30	(Ft)	3 Volumes	19 (Liters)
Water Column Height	10.98	(Ft)	Volume Purged	7 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1041	6.57	28.2	15.3	9.69	1
1042	6.47	27.6	15.0	12.81	4
1044	6.28	27.1	14.6	>200	7
1044		Purged Dry			7

SAMPLING DATA

Date:	10-15-07	**Time:**	1128	
Method:	Teflon Bailer	**Sampling Depth:**	21.25'	
pH:	7.29	**Conductivity:**	28.3	(umhos/cm)
Temperature:	(°C)	**Turbidity:**	82.6	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-6A
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1018 **Weather Conditions:** Clear 55°F

Static Depth (Depth to Water)	10.22	**(Ft)**	**Volume**	4.31 **(Liters)**
Well Depth	17.68	**(Ft)**	**3 Volumes**	12.95 **(Liters)**
Water Column Height	7.46	**(Ft)**	**Volume Purged**	13 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1034	8.38	36.5	15.4	54.9	1
1035	7.97	27.9	15.6	>200	3
1036	7.77	25.9	15.6	>200	5
1037	7.46	24.7	15.4	>200	7
1038	7.29	24.8	15.3	>200	9
1039	7.03	24.4	15.3	>200	11
1040		Finished Purging			13

SAMPLING DATA

Date:	10-15-07	**Time:**	1049		
Method:	Teflon Bailer	**Sampling Depth:**	11.20'		
pH:	5.75	**Conductivity:**	24.8	**(umhos/cm)**	
Temperature:	15.2 (°C)	**Turbidity:**	>200	**(NTU)**	

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-6C
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		Physical Damage		X
Protective Casing Locked		X	Concrete/Grout Pad Present	X	
Cap on Well Riser	X		2" PVC Casing	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1014 **Weather Conditions:** Clear 55°F

Static Depth (Depth to Water)	21.81	(Ft)	Volume	10.32 (Liters)
Well Depth	39.65	(Ft)	3 Volumes	30.98 (Liters)
Water Column Height	17.84	(Ft)	Volume Purged	17 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1024	7.84	121.5	14.0	12.82	1
1026	8.08	120.6	13.7	9.93	6
1028	8.58	133.3	13.5	35.2	12
1030	9.66	232	13.4	47.6	17
1030		Purged Dry			17

SAMPLING DATA

Date:	10-15-07	**Time:**	1055	
Method:	Teflon Bailer	**Sampling Depth:**	37.45'	
pH:	8.84	**Conductivity:**	166.4	(umhos/cm)
Temperature:	14.0 (°C)	**Turbidity:**	38.4	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-7
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1400 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	36.88	**(Ft)**	**Volume**	0.58 **(Liters)**
Well Depth	37.88	**(Ft)**	**3 Volumes**	1.73 **(Liters)**
Water Column Height	1.00	**(Ft)**	**Volume Purged**	0 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)

SAMPLING DATA

Date:	10-15-07		**Time:**	1405	
Method:	Teflon Bailer		**Sampling Depth:**	36.88'	
pH:	5.74		**Conductivity:**	662	**(umhos/cm)**
Temperature:	15.1	(°C)	**Turbidity:**	>200	**(NTU)**

Odor and Physical Appearance of Sample: Cloudy - strong odor

Comments: Cloudy, strong odor

Sampled By: R. Farley/R. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-8
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		Physical Damage		X
Protective Casing Locked	X		Concrete/Grout Pad Present	X	
Cap on Well Riser	X		2" PVC Casing	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1145 **Weather Conditions:** Sunny 70°F

Static Depth (Depth to Water)	40.46	(Ft)	Volume	1.52 (Liters)
Well Depth	43.10	(Ft)	3 Volumes	4.58 (Liters)
Water Column Height	2.64	(Ft)	Volume Purged	5 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1200	6.64	22.3	15.2	29.1	1
1201	6.67	24.4	15.1	>200	2
1202	6.46	22.2	14.0	>200	3
1203	6.23	22.1	13.6	>200	4
1204	6.34	21.6	13.5	>200	5
1204		Finished Purging			5

SAMPLING DATA

Date:	10-15-07	**Time:**	1210	
Method:	Teflon Bailer	**Sampling Depth:**	40.82'	
pH:	5.94	**Conductivity:**	22.0	(umhos/cm)
Temperature:	15.1 (°C)	**Turbidity:**	190	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

Surface Water Sampling Log

REI Consultants, Inc.

Project Name:	Old Highlands Landfill		
Contact Person:	Chris Stahl	Phone/Fax:	(828) 349-2100

Outlet:	Chastain Spring			
Date:	10-15-07	Time:	1105	
pH:	6.78	Conductivity:	12.83	*umhos/cm*
Flow:	NA	Temperature:	16.3	^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 4.26 NTU			
Outlet:	Chastain Well			
Date:	10-15-07	Time:	1125	
pH:	6.74	Conductivity:	26.1	*umhos/cm*
Flow:	NA	Temperature:	16.7	^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 10.78 NTU			
Outlet:	McCall Well			
Date:	10-15-07	Time:	1140	
pH:	6.57	Conductivity:	84.1	*umhos/cm*
Flow:	NA	Temperature:	18.4	^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 2.66 NTU			

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Surface Water Sampling Log

REI Consultants, Inc.

Project Name:	Old Highlands Landfill		
Contact Person:	Chris Stahl	Phone/Fax:	(828) 349-2100

Outlet:	Spring B		
Date:	10-15-07	Time:	1110
pH:	8.48	Conductivity:	22.4 *umhos/cm*
Flow:	NA	Temperature:	14.5 ^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor	
Comments:	Turbidity 6.60 NTU		

Outlet:	Spring A		
Date:		Time:	
pH:		Conductivity:	*umhos/cm*
Flow:	NA	Temperature:	^{o}C
Sampled Odor and Physical Appearance:			
Comments:	Turbidity NTU		

Outlet:			
Date:		Time:	
pH:		Conductivity:	*umhos/cm*
Flow:		Temperature:	^{o}C
Sampled Odor and Physical Appearance:			
Comments:			

REI Consultants, Inc. P.O. Box 286 Beaver, WV 25813 1-800-999-0105 fax: 304-255-2572 e-mail: rlabs@reiclabs.com

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Highlands C&D	**Project :**	2nd Semi 2007	**Well #:**	MW-A
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1520 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	9.61	**(Ft)**	**Volume**	5.74 **(Liters)**
Well Depth	19.54	**(Ft)**	**3 Volumes**	17.24 **(Liters)**
Water Column Height	9.93	**(Ft)**	**Volume Purged**	18 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1528	6.12	33.6	16.5	4.01	1
1530	5.58	34.0	15.6	15.71	3
1532	5.19	32.2	15.2	25.5	6
1534	4.92	31.3	14.9	22.1	9
1536	4.96	32.8	14.9	19.32	12
1537	5.03	31.9	14.8	17.36	15
1539		Finished Purging			18

SAMPLING DATA

Date:	10-15-07	**Time:**	1543		
Method:	Teflon Bailer	**Sampling Depth:**	9.71'		
pH:	5.12	**Conductivity:**	32.0	**(umhos/cm)**	
Temperature:	15.7 (°C)	**Turbidity:**	10.71	**(NTU)**	

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Highlands C&D	**Project :**	2nd Semi 2007	**Well #:**	MW-B
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

	Y	N		Y	N
Protective Casing Present	X		**Physical Damage**		X
Protective Casing Locked	X		**Concrete/Grout Pad Present**	X	
Cap on Well Riser	X		**2" PVC Casing**	X	

Comments:

PURGING DATA

Date/Time: 10-15-07 1555 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	10.40	**(Ft)**	**Volume**	5.64 **(Liters)**
Well Depth	20.15	**(Ft)**	**3 Volumes**	16.93 **(Liters)**
Water Column Height	9.75	**(Ft)**	**Volume Purged**	17 **(Liters)**

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1559	5.21	315	15.8	5.84	1
1600	5.24	334	15.0	70.8	3
1601	5.27	340	14.7	131	6
1602	5.28	338	14.5	96.0	9
1603	5.30	343	14.4	81.2	12
1604	5.30	342	14.4	106	15
1605		Finished Purging			17

SAMPLING DATA

Date: 10-15-07 **Time:** 1615

Method: Teflon Bailer **Sampling Depth:** 10.40'

pH: 5.34/Dupe 5.33 **Conductivity:** 345/Dupe 346 **(umhos/cm)**

Temperature: 15.3/Dupe 15.3 (°C) **Turbidity:** 85.5/Dupe **(NTU)**

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/J. Logan

Sampler's Signature: Allen McBride **Date:** 10-15-07

REI Consultants, Inc. P.O. Box 286, Beaver, WV 25813 1-800-999-0105 fax: 1-304-255-2572 email: rlabs@reiclabs.com

Surface Water Sampling Log

REI Consultants, Inc.

Project Name:	Highlands C & D		
Contact Person:	Chris Stahl	Phone/Fax:	(828) 349-2100

Outlet:	WSW-1		
Date:	10-15-07	Time:	1540
pH:	5.37	Conductivity:	68.7 *umhos/cm*
Flow:	NA	Temperature:	15.1 ^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor	
Comments: Purged 5 min before sampling		Turbidity 2.97	NTU

Outlet:	SW-1		
Date:	10-15-07	Time:	1515
pH:	-	Conductivity:	- *umhos/cm*
Flow:	NA	Temperature:	- ^{o}C
Sampled Odor and Physical Appearance:		Dry - no sample	
Comments:	Turbidity	NTU	

Outlet:			
Date:		Time:	
pH:		Conductivity:	*umhos/cm*
Flow:	NA	Temperature:	^{o}C
Sampled Odor and Physical Appearance:		Turbidity	NTU
Comments:			

REI Consultants, Inc. P.O. Box 286 Beaver, WV 25813 1-800-999-0105 fax: 304-255-2572 e-mail: rlabs@reiclabs.com

Appendix C

Laboratory Reports and Chain-of-Custody

225 Industrial Park Drive
Beaver, WV 25813
TEL: 304.255.2500
FAX: 304.255.2572
Website: www.reiclabs.com

Improving the environment, one client at a time...

February 13, 2008

Mr. Chris Stahl
MACON COUNTY SOLID WASTE MANAGEMENT
5 WEST MAIN ST
FRANKLIN NC 28734

TEL: (828) 349-2100
FAX: (828) 349-2185

RE: OLD HIGHLANDS LANDFILL

Order No.: 0710A68

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 20 sample(s) on 10/18/2007 for the analyses presented in the following report.

Please note two changes you may see on your report.

- Results for "Dissolved" parameters will be shown under a separate sample ID, rather than as a separate analysis under the same sample ID. The sample ID for "Dissolved" parameters will include "Field Filtered" or "Lab Filtered", as appropriate.
- Metals results will no longer be identified as "Total" or "Total Recoverable". The methods have not been changed, only their appearance on the report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Beth Johnson

Beth Johnson
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

Improving the environment, one client at a time...

Case Narrative

WO#: **0710A68**

Date: **2/13/2008**

CLIENT: MACON COUNTY SOLID WASTE MAN

All analyses were performed using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. REI Consultants, Inc. (REIC) technical managers have verified compliance of reported results with the REIC's Quality Program and SOPs, except as noted in this case narrative. Any deviation from compliance is explained below and/or identified within the body of this report by a qualifier footnote which is defined at the bottom of each page.

All samples were analyzed using the methods stated in the analytical report without modification, unless otherwise noted.

All sample results are reported on an "as-received" basis unless otherwise noted.

Results reported for sums of individual parameters, such as Total Trihalomethanes (TTHM) and Total Haloacetic Acids (HAA5), may vary slightly from the sum of the individual parameter results. This apparent anomaly is caused by rounding individual results and summations at reporting, as required by EPA.

The test results in this report meet all NELAP requirements for parameters for which accreditations are required or available. Any exceptions are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-1	**Lab ID:**	0710A68-01A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 1:40:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 5:46:56 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 5:46:56 PM
Barium	0.157	mg/L		0.00100	0.100	10/18/2007 5:46:56 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 5:46:56 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 5:46:56 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 5:46:56 PM
Cobalt	0.0388	mg/L		0.00100	0.0100	10/18/2007 5:46:56 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 5:46:56 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 5:46:56 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 5:46:56 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 5:46:56 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 5:46:56 PM
Thallium	J	mg/L	J	0.00020	0.0050	10/18/2007 5:46:56 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 5:46:56 PM
Zinc	0.0190	mg/L		0.00300	0.0100	10/18/2007 5:46:56 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 12:17:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 12:17:00 PM
Benzene	3.7	µg/L		0.13	1.0	10/19/2007 12:17:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 12:17:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 12:17:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 12:17:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 12:17:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 12:17:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 12:17:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 12:17:00 PM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/19/2007 12:17:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 12:17:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 12:17:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 12:17:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 12:17:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 12:17:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 12:17:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 12:17:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 12:17:00 PM
1,4-Dichlorobenzene	5.5	µg/L		0.29	1.0	10/19/2007 12:17:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-1	**Lab ID:**	0710A68-01A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 1:40:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 12:17:00 PM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/19/2007 12:17:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 12:17:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 12:17:00 PM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/19/2007 12:17:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 12:17:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 12:17:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 12:17:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 12:17:00 PM
Ethylbenzene	J	µg/L	J	0.18	1.0	10/19/2007 12:17:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 12:17:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 12:17:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 12:17:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 12:17:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 12:17:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 12:17:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 12:17:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 12:17:00 PM
Toluene	1.4	µg/L		0.17	1.0	10/19/2007 12:17:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 12:17:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 12:17:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 12:17:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 12:17:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 12:17:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 12:17:00 PM
Vinyl chloride	19.1	µg/L		0.22	1.0	10/19/2007 12:17:00 PM
o-Xylene	1.2	µg/L		0.19	1.0	10/19/2007 12:17:00 PM
m,p-Xylene	J	µg/L	J	0.29	2.0	10/19/2007 12:17:00 PM
Surr: 1,2-Dichloroethane-d4	102	%REC			80-120	10/19/2007 12:17:00 PM
Surr: 4-Bromofluorobenzene	108	%REC			86-115	10/19/2007 12:17:00 PM
Surr: Dibromofluoromethane	95.7	%REC			80-120	10/19/2007 12:17:00 PM
Surr: Toluene-d8	121	%REC	S		88-110	10/19/2007 12:17:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-2	**Lab ID:**	0710A68-02A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 12:43:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 5:52:48 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 5:52:48 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 5:52:48 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 5:52:48 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 5:52:48 PM
Chromium	J	mg/L	J	0.00100	0.0100	10/18/2007 5:52:48 PM
Cobalt	0.0104	mg/L		0.00100	0.0100	10/18/2007 5:52:48 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 5:52:48 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 5:52:48 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 5:52:48 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 5:52:48 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 5:52:48 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 5:52:48 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 5:52:48 PM
Zinc	0.0328	mg/L		0.00300	0.0100	10/18/2007 5:52:48 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 12:49:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 12:49:00 PM
Benzene	J	µg/L	J	0.13	1.0	10/19/2007 12:49:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 12:49:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 12:49:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 12:49:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 12:49:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 12:49:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 12:49:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 12:49:00 PM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/19/2007 12:49:00 PM
Chloroethane	J	µg/L	J	0.94	10.0	10/19/2007 12:49:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 12:49:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 12:49:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 12:49:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 12:49:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 12:49:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 12:49:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 12:49:00 PM
1,4-Dichlorobenzene	1.2	µg/L		0.29	1.0	10/19/2007 12:49:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-2	**Lab ID:**	0710A68-02A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 12:43:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 12:49:00 PM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/19/2007 12:49:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 12:49:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 12:49:00 PM
cis-1,2-Dichloroethene	6.2	µg/L		0.23	5.0	10/19/2007 12:49:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 12:49:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 12:49:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 12:49:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 12:49:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 12:49:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 12:49:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 12:49:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 12:49:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 12:49:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 12:49:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 12:49:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 12:49:00 PM
Tetrachloroethene	J	µg/L	J	0.20	1.0	10/19/2007 12:49:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 12:49:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 12:49:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 12:49:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 12:49:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 12:49:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 12:49:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 12:49:00 PM
Vinyl chloride	5.9	µg/L		0.22	1.0	10/19/2007 12:49:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 12:49:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 12:49:00 PM
Surr: 1,2-Dichloroethane-d4	104	%REC			80-120	10/19/2007 12:49:00 PM
Surr: 4-Bromofluorobenzene	109	%REC			86-115	10/19/2007 12:49:00 PM
Surr: Dibromofluoromethane	96.4	%REC			80-120	10/19/2007 12:49:00 PM
Surr: Toluene-d8	122	%REC	S		88-110	10/19/2007 12:49:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-4	**Lab ID:**	0710A68-03A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 2:35:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 5:58:41 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 5:58:41 PM
Barium	0.242	mg/L		0.00100	0.100	10/18/2007 5:58:41 PM
Beryllium	J	mg/L	J	0.00020	0.0010	10/18/2007 5:58:41 PM
Cadmium	J	mg/L	J	0.00020	0.0010	10/18/2007 5:58:41 PM
Chromium	J	mg/L	J	0.00100	0.0100	10/18/2007 5:58:41 PM
Cobalt	0.0355	mg/L		0.00100	0.0100	10/18/2007 5:58:41 PM
Copper	0.0278	mg/L		0.00100	0.0100	10/18/2007 5:58:41 PM
Lead	0.0755	mg/L		0.00020	0.0100	10/18/2007 5:58:41 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 5:58:41 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 5:58:41 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 5:58:41 PM
Thallium	J	mg/L	J	0.00020	0.0050	10/18/2007 5:58:41 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 5:58:41 PM
Zinc	0.0700	mg/L		0.00300	0.0100	10/18/2007 5:58:41 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 1:22:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 1:22:00 PM
Benzene	1.7	µg/L		0.13	1.0	10/19/2007 1:22:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 1:22:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 1:22:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 1:22:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 1:22:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 1:22:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 1:22:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 1:22:00 PM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/19/2007 1:22:00 PM
Chloroethane	J	µg/L	J	0.94	10.0	10/19/2007 1:22:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 1:22:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 1:22:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 1:22:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 1:22:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 1:22:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 1:22:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 1:22:00 PM
1,4-Dichlorobenzene	1.4	µg/L		0.29	1.0	10/19/2007 1:22:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-4	**Lab ID:**	0710A68-03A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 2:35:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 1:22:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 1:22:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 1:22:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 1:22:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/19/2007 1:22:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 1:22:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 1:22:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 1:22:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 1:22:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 1:22:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 1:22:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 1:22:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 1:22:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 1:22:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 1:22:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 1:22:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 1:22:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 1:22:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 1:22:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 1:22:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 1:22:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 1:22:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 1:22:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 1:22:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 1:22:00 PM
Vinyl chloride	1.7	µg/L		0.22	1.0	10/19/2007 1:22:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 1:22:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 1:22:00 PM
Surr: 1,2-Dichloroethane-d4	102	%REC			80-120	10/19/2007 1:22:00 PM
Surr: 4-Bromofluorobenzene	112	%REC			86-115	10/19/2007 1:22:00 PM
Surr: Dibromofluoromethane	95.6	%REC			80-120	10/19/2007 1:22:00 PM
Surr: Toluene-d8	120	%REC	S		88-110	10/19/2007 1:22:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-4A	**Lab ID:**	0710A68-04A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 3:00:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 6:16:14 PM
Arsenic	J	mg/L	J	0.00200	0.0100	10/18/2007 6:16:14 PM
Barium	0.257	mg/L		0.00100	0.100	10/18/2007 6:16:14 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 6:16:14 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:16:14 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 6:16:14 PM
Cobalt	0.0134	mg/L		0.00100	0.0100	10/18/2007 6:16:14 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:16:14 PM
Lead	ND	mg/L		0.00020	0.0100	10/18/2007 6:16:14 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 6:16:14 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:16:14 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:16:14 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:16:14 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 6:16:14 PM
Zinc	0.0378	mg/L		0.00300	0.0100	10/18/2007 6:16:14 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 1:55:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 1:55:00 PM
Benzene	4.1	µg/L		0.13	1.0	10/19/2007 1:55:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 1:55:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 1:55:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 1:55:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 1:55:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 1:55:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 1:55:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 1:55:00 PM
Chlorobenzene	5.0	µg/L		0.18	3.0	10/19/2007 1:55:00 PM
Chloroethane	J	µg/L	J	0.94	10.0	10/19/2007 1:55:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 1:55:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 1:55:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 1:55:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 1:55:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 1:55:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 1:55:00 PM
1,2-Dichlorobenzene	J	µg/L	J	0.45	5.0	10/19/2007 1:55:00 PM
1,4-Dichlorobenzene	4.1	µg/L		0.29	1.0	10/19/2007 1:55:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-4A	**Lab ID:**	0710A68-04A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 3:00:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 1:55:00 PM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/19/2007 1:55:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 1:55:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 1:55:00 PM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/19/2007 1:55:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 1:55:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 1:55:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 1:55:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 1:55:00 PM
Ethylbenzene	7.3	µg/L		0.18	1.0	10/19/2007 1:55:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 1:55:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 1:55:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 1:55:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 1:55:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 1:55:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 1:55:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 1:55:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 1:55:00 PM
Toluene	1.0	µg/L		0.17	1.0	10/19/2007 1:55:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 1:55:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 1:55:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 1:55:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 1:55:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 1:55:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 1:55:00 PM
Vinyl chloride	13.4	µg/L		0.22	1.0	10/19/2007 1:55:00 PM
o-Xylene	1.7	µg/L		0.19	1.0	10/19/2007 1:55:00 PM
m,p-Xylene	J	µg/L	J	0.29	2.0	10/19/2007 1:55:00 PM
Surr: 1,2-Dichloroethane-d4	98.9	%REC			80-120	10/19/2007 1:55:00 PM
Surr: 4-Bromofluorobenzene	110	%REC			86-115	10/19/2007 1:55:00 PM
Surr: Dibromofluoromethane	95.0	%REC			80-120	10/19/2007 1:55:00 PM
Surr: Toluene-d8	124	%REC	S		88-110	10/19/2007 1:55:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5	**Lab ID:**	0710A68-05A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:40:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 6:22:05 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 6:22:05 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:22:05 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 6:22:05 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:22:05 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 6:22:05 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 6:22:05 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:22:05 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 6:22:05 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 6:22:05 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:22:05 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:22:05 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:22:05 PM
Vanadium	ND	mg/L		0.00100	0.0200	10/18/2007 6:22:05 PM
Zinc	0.0720	mg/L		0.00300	0.0100	10/18/2007 6:22:05 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 2:28:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 2:28:00 PM
Benzene	J	µg/L	J	0.13	1.0	10/19/2007 2:28:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 2:28:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 2:28:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 2:28:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 2:28:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 2:28:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 2:28:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 2:28:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 2:28:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 2:28:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 2:28:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 2:28:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 2:28:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 2:28:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 2:28:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 2:28:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 2:28:00 PM
1,4-Dichlorobenzene	J	µg/L	J	0.29	1.0	10/19/2007 2:28:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5	**Lab ID:**	0710A68-05A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:40:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 2:28:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 2:28:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 2:28:00 PM
1,1-Dichloroethene	J	µg/L	J	0.33	5.0	10/19/2007 2:28:00 PM
cis-1,2-Dichloroethene	32.2	µg/L		2.26	10.0	10/22/2007 11:50:00 AM
trans-1,2-Dichloroethene	J	µg/L	J	0.39	5.0	10/19/2007 2:28:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 2:28:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 2:28:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 2:28:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 2:28:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 2:28:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 2:28:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 2:28:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 2:28:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 2:28:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 2:28:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 2:28:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 2:28:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 2:28:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 2:28:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 2:28:00 PM
Trichloroethene	J	µg/L	J	0.30	1.0	10/19/2007 2:28:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 2:28:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 2:28:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 2:28:00 PM
Vinyl chloride	35.3	µg/L		2.23	10.0	10/22/2007 11:50:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 2:28:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 2:28:00 PM
Surr: 1,2-Dichloroethane-d4	100	%REC			80-120	10/19/2007 2:28:00 PM
Surr: 4-Bromofluorobenzene	109	%REC			86-115	10/19/2007 2:28:00 PM
Surr: Dibromofluoromethane	93.1	%REC			80-120	10/19/2007 2:28:00 PM
Surr: Toluene-d8	122	%REC	S		88-110	10/19/2007 2:28:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5A	**Lab ID:**	0710A68-06A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:25:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 6:27:57 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 6:27:57 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:27:57 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 6:27:57 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:27:57 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 6:27:57 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 6:27:57 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:27:57 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 6:27:57 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 6:27:57 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:27:57 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:27:57 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:27:57 PM
Vanadium	ND	mg/L		0.00100	0.0200	10/18/2007 6:27:57 PM
Zinc	0.0431	mg/L		0.00300	0.0100	10/18/2007 6:27:57 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 3:09:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 3:09:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 3:09:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 3:09:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 3:09:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 3:09:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 3:09:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 3:09:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 3:09:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 3:09:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 3:09:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 3:09:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 3:09:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 3:09:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 3:09:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 3:09:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 3:09:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 3:09:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 3:09:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/19/2007 3:09:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5A	**Lab ID:**	0710A68-06A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:25:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 3:09:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 3:09:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 3:09:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 3:09:00 PM
cis-1,2-Dichloroethene	10.0	µg/L		0.23	5.0	10/19/2007 3:09:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 3:09:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 3:09:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 3:09:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 3:09:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 3:09:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 3:09:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 3:09:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 3:09:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 3:09:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 3:09:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 3:09:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 3:09:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 3:09:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 3:09:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 3:09:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 3:09:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 3:09:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 3:09:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 3:09:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 3:09:00 PM
Vinyl chloride	11.0	µg/L		0.22	1.0	10/19/2007 3:09:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 3:09:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 3:09:00 PM
Surr: 1,2-Dichloroethane-d4	108	%REC			80-120	10/19/2007 3:09:00 PM
Surr: 4-Bromofluorobenzene	104	%REC			86-115	10/19/2007 3:09:00 PM
Surr: Dibromofluoromethane	97.2	%REC			80-120	10/19/2007 3:09:00 PM
Surr: Toluene-d8	118	%REC	S		88-110	10/19/2007 3:09:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5B	**Lab ID:**	0710A68-07A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:55:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	J	mg/L	J	0.00040	0.0060	10/18/2007 6:33:49 PM
Arsenic	0.0201	mg/L		0.00200	0.0100	10/18/2007 6:33:49 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:33:49 PM
Beryllium	J	mg/L	J	0.00020	0.0010	10/18/2007 6:33:49 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:33:49 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 6:33:49 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 6:33:49 PM
Copper	ND	mg/L		0.00100	0.0100	10/18/2007 6:33:49 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 6:33:49 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 6:33:49 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:33:49 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:33:49 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:33:49 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 6:33:49 PM
Zinc	0.0196	mg/L		0.00300	0.0100	10/18/2007 6:33:49 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 3:42:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 3:42:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 3:42:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 3:42:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 3:42:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 3:42:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 3:42:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 3:42:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 3:42:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 3:42:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 3:42:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 3:42:00 PM
Chloroform	J	µg/L	J	0.25	5.0	10/19/2007 3:42:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 3:42:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 3:42:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 3:42:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 3:42:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 3:42:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 3:42:00 PM
1,4-Dichlorobenzene	J	µg/L	J	0.29	1.0	10/19/2007 3:42:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5B	**Lab ID:**	0710A68-07A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:55:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 3:42:00 PM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/19/2007 3:42:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 3:42:00 PM
1,1-Dichloroethene	J	µg/L	J	0.33	5.0	10/19/2007 3:42:00 PM
cis-1,2-Dichloroethene	34.5	µg/L		2.26	10.0	10/22/2007 12:24:00 PM
trans-1,2-Dichloroethene	J	µg/L	J	0.39	5.0	10/19/2007 3:42:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 3:42:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 3:42:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 3:42:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 3:42:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 3:42:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 3:42:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 3:42:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 3:42:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 3:42:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 3:42:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 3:42:00 PM
Tetrachloroethene	J	µg/L	J	0.20	1.0	10/19/2007 3:42:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 3:42:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 3:42:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 3:42:00 PM
Trichloroethene	J	µg/L	J	0.30	1.0	10/19/2007 3:42:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 3:42:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 3:42:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 3:42:00 PM
Vinyl chloride	5.0	µg/L		0.22	1.0	10/19/2007 3:42:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 3:42:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 3:42:00 PM
Surr: 1,2-Dichloroethane-d4	102	%REC			80-120	10/19/2007 3:42:00 PM
Surr: 4-Bromofluorobenzene	114	%REC			86-115	10/19/2007 3:42:00 PM
Surr: Dibromofluoromethane	95.1	%REC			80-120	10/19/2007 3:42:00 PM
Surr: Toluene-d8	120	%REC	S		88-110	10/19/2007 3:42:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5C	**Lab ID:**	0710A68-08A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:45:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 6:39:41 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 6:39:41 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:39:41 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 6:39:41 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:39:41 PM
Chromium	J	mg/L	J	0.00100	0.0100	10/18/2007 6:39:41 PM
Cobalt	ND	mg/L		0.00100	0.0100	10/18/2007 6:39:41 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:39:41 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 6:39:41 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 6:39:41 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:39:41 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:39:41 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:39:41 PM
Vanadium	ND	mg/L		0.00100	0.0200	10/18/2007 6:39:41 PM
Zinc	0.0132	mg/L		0.00300	0.0100	10/18/2007 6:39:41 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 2:07:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 2:07:00 AM
Benzene	1.5	µg/L		0.13	1.0	10/20/2007 2:07:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 2:07:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 2:07:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 2:07:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 2:07:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 2:07:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 2:07:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 2:07:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 2:07:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 2:07:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 2:07:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 2:07:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 2:07:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 2:07:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 2:07:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 2:07:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 2:07:00 AM
1,4-Dichlorobenzene	J	µg/L	J	0.29	1.0	10/20/2007 2:07:00 AM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5C	**Lab ID:**	0710A68-08A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:45:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 2:07:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 2:07:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 2:07:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 2:07:00 AM
cis-1,2-Dichloroethene	34.7	µg/L		2.26	10.0	10/22/2007 12:57:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 2:07:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 2:07:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 2:07:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 2:07:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 2:07:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 2:07:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 2:07:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/20/2007 2:07:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 2:07:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 2:07:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 2:07:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 2:07:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 2:07:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 2:07:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 2:07:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 2:07:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 2:07:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 2:07:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 2:07:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 2:07:00 AM
Vinyl chloride	39.3	µg/L		2.23	10.0	10/22/2007 12:57:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 2:07:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 2:07:00 AM
Surr: 1,2-Dichloroethane-d4	100	%REC			80-120	10/20/2007 2:07:00 AM
Surr: 4-Bromofluorobenzene	112	%REC			86-115	10/20/2007 2:07:00 AM
Surr: Dibromofluoromethane	96.2	%REC			80-120	10/20/2007 2:07:00 AM
Surr: Toluene-d8	119	%REC	S		88-110	10/20/2007 2:07:00 AM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-6	**Lab ID:**	0710A68-09A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:28:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 6:45:34 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 6:45:34 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:45:34 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 6:45:34 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:45:34 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 6:45:34 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 6:45:34 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:45:34 PM
Lead	ND	mg/L		0.00020	0.0100	10/18/2007 6:45:34 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 6:45:34 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:45:34 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:45:34 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:45:34 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 6:45:34 PM
Zinc	J	mg/L	J	0.00300	0.0100	10/18/2007 6:45:34 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 4:48:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 4:48:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 4:48:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 4:48:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 4:48:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 4:48:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 4:48:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 4:48:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 4:48:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 4:48:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 4:48:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 4:48:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 4:48:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 4:48:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 4:48:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 4:48:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 4:48:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 4:48:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 4:48:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/19/2007 4:48:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-6	**Lab ID:**	0710A68-09A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:28:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 4:48:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 4:48:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 4:48:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 4:48:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/19/2007 4:48:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 4:48:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 4:48:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 4:48:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 4:48:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 4:48:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 4:48:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 4:48:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 4:48:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 4:48:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 4:48:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 4:48:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 4:48:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 4:48:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 4:48:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 4:48:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 4:48:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 4:48:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 4:48:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 4:48:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 4:48:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/19/2007 4:48:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 4:48:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 4:48:00 PM
Surr: 1,2-Dichloroethane-d4	94.9	%REC			80-120	10/19/2007 4:48:00 PM
Surr: 4-Bromofluorobenzene	111	%REC			86-115	10/19/2007 4:48:00 PM
Surr: Dibromofluoromethane	94.5	%REC			80-120	10/19/2007 4:48:00 PM
Surr: Toluene-d8	121	%REC	S		88-110	10/19/2007 4:48:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-6A	**Lab ID:**	0710A68-10A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 10:49:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 6:51:27 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 6:51:27 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:51:27 PM
Beryllium	J	mg/L	J	0.00020	0.0010	10/18/2007 6:51:27 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:51:27 PM
Chromium	J	mg/L	J	0.00100	0.0100	10/18/2007 6:51:27 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 6:51:27 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:51:27 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 6:51:27 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 6:51:27 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:51:27 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:51:27 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:51:27 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 6:51:27 PM
Zinc	0.0298	mg/L		0.00300	0.0100	10/18/2007 6:51:27 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 9:44:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 9:44:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 9:44:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 9:44:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 9:44:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 9:44:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 9:44:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 9:44:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 9:44:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 9:44:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 9:44:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 9:44:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 9:44:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 9:44:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 9:44:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 9:44:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 9:44:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 9:44:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 9:44:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/19/2007 9:44:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-6A	**Lab ID:**	0710A68-10A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 10:49:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 9:44:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 9:44:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 9:44:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 9:44:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/19/2007 9:44:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 9:44:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 9:44:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 9:44:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 9:44:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 9:44:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 9:44:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 9:44:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 9:44:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 9:44:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 9:44:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 9:44:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 9:44:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 9:44:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 9:44:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 9:44:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 9:44:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 9:44:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 9:44:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 9:44:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 9:44:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/19/2007 9:44:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 9:44:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 9:44:00 PM
Surr: 1,2-Dichloroethane-d4	101	%REC			80-120	10/19/2007 9:44:00 PM
Surr: 4-Bromofluorobenzene	107	%REC			86-115	10/19/2007 9:44:00 PM
Surr: Dibromofluoromethane	97.4	%REC			80-120	10/19/2007 9:44:00 PM
Surr: Toluene-d8	124	%REC	S		88-110	10/19/2007 9:44:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0710A68
Client Sample ID:	MW-6C	**Lab ID:**	0710A68-11A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 10:55:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	J	mg/L	J	0.00040	0.0060	10/18/2007 6:57:20 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 6:57:20 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 6:57:20 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 6:57:20 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 6:57:20 PM
Chromium	J	mg/L	J	0.00100	0.0100	10/18/2007 6:57:20 PM
Cobalt	ND	mg/L		0.00100	0.0100	10/18/2007 6:57:20 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 6:57:20 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 6:57:20 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 6:57:20 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 6:57:20 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 6:57:20 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 6:57:20 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 6:57:20 PM
Zinc	0.0124	mg/L		0.00300	0.0100	10/18/2007 6:57:20 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 10:17:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 10:17:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 10:17:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 10:17:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 10:17:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 10:17:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 10:17:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 10:17:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 10:17:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 10:17:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 10:17:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 10:17:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 10:17:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 10:17:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 10:17:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 10:17:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 10:17:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 10:17:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 10:17:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/19/2007 10:17:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limit
TIC	Tentatively Identified Compound, Estimated Concentrati	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-6C	**Lab ID:**	0710A68-11A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 10:55:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 10:17:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 10:17:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 10:17:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 10:17:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/19/2007 10:17:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 10:17:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 10:17:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 10:17:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 10:17:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 10:17:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 10:17:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 10:17:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/19/2007 10:17:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 10:17:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 10:17:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 10:17:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 10:17:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 10:17:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 10:17:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 10:17:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 10:17:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 10:17:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 10:17:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 10:17:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 10:17:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/19/2007 10:17:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 10:17:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 10:17:00 PM
Surr: 1,2-Dichloroethane-d4	100	%REC			80-120	10/19/2007 10:17:00 PM
Surr: 4-Bromofluorobenzene	108	%REC			86-115	10/19/2007 10:17:00 PM
Surr: Dibromofluoromethane	97.3	%REC			80-120	10/19/2007 10:17:00 PM
Surr: Toluene-d8	121	%REC	S		88-110	10/19/2007 10:17:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-7	**Lab ID:**	0710A68-12A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 2:05:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:03:14 PM
Arsenic	J	mg/L	J	0.00200	0.0100	10/18/2007 7:03:14 PM
Barium	0.205	mg/L		0.00100	0.100	10/18/2007 7:03:14 PM
Beryllium	0.0011	mg/L		0.00020	0.0010	10/18/2007 7:03:14 PM
Cadmium	J	mg/L	J	0.00020	0.0010	10/18/2007 7:03:14 PM
Chromium	J	mg/L	J	0.00100	0.0100	10/18/2007 7:03:14 PM
Cobalt	0.0586	mg/L		0.00100	0.0100	10/18/2007 7:03:14 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 7:03:14 PM
Lead	0.0125	mg/L		0.00020	0.0100	10/18/2007 7:03:14 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 7:03:14 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 7:03:14 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:03:14 PM
Thallium	J	mg/L	J	0.00020	0.0050	10/18/2007 7:03:14 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 7:03:14 PM
Zinc	0.135	mg/L		0.00300	0.0100	10/18/2007 7:03:14 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 10:50:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 10:50:00 PM
Benzene	5.2	µg/L		0.13	1.0	10/19/2007 10:50:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 10:50:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 10:50:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 10:50:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 10:50:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 10:50:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 10:50:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 10:50:00 PM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/19/2007 10:50:00 PM
Chloroethane	J	µg/L	J	0.94	10.0	10/19/2007 10:50:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 10:50:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 10:50:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 10:50:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 10:50:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 10:50:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 10:50:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 10:50:00 PM
1,4-Dichlorobenzene	11.2	µg/L		0.29	1.0	10/19/2007 10:50:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-7	**Lab ID:**	0710A68-12A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 2:05:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 10:50:00 PM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/19/2007 10:50:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 10:50:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 10:50:00 PM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/19/2007 10:50:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 10:50:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 10:50:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 10:50:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 10:50:00 PM
Ethylbenzene	35.0	µg/L		1.78	10.0	10/22/2007 1:31:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 10:50:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 10:50:00 PM
Methylene chloride	2.2	µg/L		0.54	1.0	10/19/2007 10:50:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 10:50:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 10:50:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 10:50:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 10:50:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 10:50:00 PM
Toluene	150	µg/L		1.67	10.0	10/22/2007 1:31:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 10:50:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 10:50:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 10:50:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 10:50:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 10:50:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 10:50:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/19/2007 10:50:00 PM
o-Xylene	21.4	µg/L		1.86	10.0	10/22/2007 1:31:00 PM
m,p-Xylene	47.7	µg/L		2.87	20.0	10/22/2007 1:31:00 PM
Surr: 1,2-Dichloroethane-d4	101	%REC			80-120	10/19/2007 10:50:00 PM
Surr: 4-Bromofluorobenzene	111	%REC			86-115	10/19/2007 10:50:00 PM
Surr: Dibromofluoromethane	97.7	%REC			80-120	10/19/2007 10:50:00 PM
Surr: Toluene-d8	121	%REC	S		88-110	10/19/2007 10:50:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-8	**Lab ID:**	0710A68-13A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 12:10:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:09:08 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 7:09:08 PM
Barium	0.178	mg/L		0.00100	0.100	10/18/2007 7:09:08 PM
Beryllium	J	mg/L	J	0.00020	0.0010	10/18/2007 7:09:08 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 7:09:08 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 7:09:08 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 7:09:08 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 7:09:08 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 7:09:08 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 7:09:08 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 7:09:08 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:09:08 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 7:09:08 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 7:09:08 PM
Zinc	0.0124	mg/L		0.00300	0.0100	10/18/2007 7:09:08 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 11:23:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 11:23:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 11:23:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 11:23:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 11:23:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 11:23:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 11:23:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 11:23:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 11:23:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 11:23:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 11:23:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 11:23:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 11:23:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 11:23:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 11:23:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 11:23:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 11:23:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 11:23:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 11:23:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/19/2007 11:23:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-8	**Lab ID:**	0710A68-13A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 12:10:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 11:23:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 11:23:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 11:23:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 11:23:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/19/2007 11:23:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 11:23:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 11:23:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 11:23:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 11:23:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 11:23:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 11:23:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 11:23:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 11:23:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 11:23:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 11:23:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 11:23:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 11:23:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 11:23:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 11:23:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 11:23:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 11:23:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 11:23:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 11:23:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 11:23:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 11:23:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/19/2007 11:23:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 11:23:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 11:23:00 PM
Surr: 1,2-Dichloroethane-d4	103	%REC			80-120	10/19/2007 11:23:00 PM
Surr: 4-Bromofluorobenzene	110	%REC			86-115	10/19/2007 11:23:00 PM
Surr: Dibromofluoromethane	98.9	%REC			80-120	10/19/2007 11:23:00 PM
Surr: Toluene-d8	117	%REC	S		88-110	10/19/2007 11:23:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	CHASTAIN WELL	**Lab ID:**	0710A68-14A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:25:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:26:41 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 7:26:41 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 7:26:41 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 7:26:41 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 7:26:41 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 7:26:41 PM
Cobalt	ND	mg/L		0.00100	0.0100	10/18/2007 7:26:41 PM
Copper	0.0178	mg/L		0.00100	0.0100	10/18/2007 7:26:41 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 7:26:41 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 7:26:41 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 7:26:41 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:26:41 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 7:26:41 PM
Vanadium	ND	mg/L		0.00100	0.0200	10/18/2007 7:26:41 PM
Zinc	0.0183	mg/L		0.00300	0.0100	10/18/2007 7:26:41 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 11:55:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 11:55:00 PM
Benzene	ND	µg/L		0.13	1.0	10/19/2007 11:55:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 11:55:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 11:55:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 11:55:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 11:55:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 11:55:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 11:55:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 11:55:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/19/2007 11:55:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/19/2007 11:55:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 11:55:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 11:55:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 11:55:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 11:55:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 11:55:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 11:55:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 11:55:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/19/2007 11:55:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	CHASTAIN WELL	**Lab ID:**	0710A68-14A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:25:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 11:55:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/19/2007 11:55:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 11:55:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 11:55:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/19/2007 11:55:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 11:55:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 11:55:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 11:55:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 11:55:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/19/2007 11:55:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 11:55:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 11:55:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 11:55:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 11:55:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 11:55:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 11:55:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 11:55:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 11:55:00 PM
Toluene	ND	µg/L		0.17	1.0	10/19/2007 11:55:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 11:55:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 11:55:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 11:55:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 11:55:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 11:55:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 11:55:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/19/2007 11:55:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/19/2007 11:55:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/19/2007 11:55:00 PM
Surr: 1,2-Dichloroethane-d4	104	%REC			80-120	10/19/2007 11:55:00 PM
Surr: 4-Bromofluorobenzene	112	%REC			86-115	10/19/2007 11:55:00 PM
Surr: Dibromofluoromethane	99.2	%REC			80-120	10/19/2007 11:55:00 PM
Surr: Toluene-d8	120	%REC	S		88-110	10/19/2007 11:55:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MCCALL WELL	**Lab ID:**	0710A68-15A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:40:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:32:32 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 7:32:32 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 7:32:32 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 7:32:32 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 7:32:32 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 7:32:32 PM
Cobalt	ND	mg/L		0.00100	0.0100	10/18/2007 7:32:32 PM
Copper	0.0265	mg/L		0.00100	0.0100	10/18/2007 7:32:32 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 7:32:32 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 7:32:32 PM
Selenium	J	mg/L	J	0.00300	0.0100	10/18/2007 7:32:32 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:32:32 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 7:32:32 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 7:32:32 PM
Zinc	0.0840	mg/L		0.00300	0.0100	10/18/2007 7:32:32 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 12:28:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 12:28:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 12:28:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 12:28:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 12:28:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 12:28:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 12:28:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 12:28:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 12:28:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 12:28:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 12:28:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 12:28:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 12:28:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 12:28:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 12:28:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 12:28:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 12:28:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 12:28:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 12:28:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 12:28:00 AM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MCCALL WELL	**Lab ID:**	0710A68-15A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:40:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 12:28:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 12:28:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 12:28:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 12:28:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 12:28:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 12:28:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 12:28:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 12:28:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 12:28:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 12:28:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 12:28:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 12:28:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 12:28:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 12:28:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 12:28:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 12:28:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 12:28:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 12:28:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 12:28:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 12:28:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 12:28:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 12:28:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 12:28:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 12:28:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 12:28:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 12:28:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 12:28:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 12:28:00 AM
Surr: 1,2-Dichloroethane-d4	101	%REC			80-120	10/20/2007 12:28:00 AM
Surr: 4-Bromofluorobenzene	112	%REC			86-115	10/20/2007 12:28:00 AM
Surr: Dibromofluoromethane	97.4	%REC			80-120	10/20/2007 12:28:00 AM
Surr: Toluene-d8	118	%REC	S		88-110	10/20/2007 12:28:00 AM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	CHASTAIN SPRING	**Lab ID:**	0710A68-16A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:05:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:38:24 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 7:38:24 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 7:38:24 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 7:38:24 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 7:38:24 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 7:38:24 PM
Cobalt	ND	mg/L		0.00100	0.0100	10/18/2007 7:38:24 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 7:38:24 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 7:38:24 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 7:38:24 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 7:38:24 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:38:24 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 7:38:24 PM
Vanadium	ND	mg/L		0.00100	0.0200	10/18/2007 7:38:24 PM
Zinc	0.0224	mg/L		0.00300	0.0100	10/18/2007 7:38:24 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 1:01:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 1:01:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 1:01:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 1:01:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 1:01:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 1:01:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 1:01:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 1:01:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 1:01:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 1:01:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 1:01:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 1:01:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 1:01:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 1:01:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 1:01:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 1:01:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 1:01:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 1:01:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 1:01:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 1:01:00 AM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	CHASTAIN SPRING	**Lab ID:**	0710A68-16A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:05:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 1:01:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 1:01:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 1:01:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 1:01:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 1:01:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 1:01:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 1:01:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:01:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:01:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 1:01:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 1:01:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 1:01:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 1:01:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 1:01:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 1:01:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 1:01:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 1:01:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 1:01:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 1:01:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 1:01:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 1:01:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 1:01:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 1:01:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 1:01:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 1:01:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 1:01:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 1:01:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 1:01:00 AM
Surr: 1,2-Dichloroethane-d4	102	%REC			80-120	10/20/2007 1:01:00 AM
Surr: 4-Bromofluorobenzene	110	%REC			86-115	10/20/2007 1:01:00 AM
Surr: Dibromofluoromethane	100	%REC			80-120	10/20/2007 1:01:00 AM
Surr: Toluene-d8	120	%REC	S		88-110	10/20/2007 1:01:00 AM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	SPRING B	**Lab ID:**	0710A68-17A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:10:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:44:16 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 7:44:16 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 7:44:16 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 7:44:16 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 7:44:16 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 7:44:16 PM
Cobalt	ND	mg/L		0.00100	0.0100	10/18/2007 7:44:16 PM
Copper	ND	mg/L		0.00100	0.0100	10/18/2007 7:44:16 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 7:44:16 PM
Nickel	ND	mg/L		0.00200	0.0500	10/18/2007 7:44:16 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 7:44:16 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:44:16 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 7:44:16 PM
Vanadium	ND	mg/L		0.00100	0.0200	10/18/2007 7:44:16 PM
Zinc	0.0111	mg/L		0.00300	0.0100	10/18/2007 7:44:16 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 1:34:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 1:34:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 1:34:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 1:34:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 1:34:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 1:34:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 1:34:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 1:34:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 1:34:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 1:34:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 1:34:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 1:34:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 1:34:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 1:34:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 1:34:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 1:34:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 1:34:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 1:34:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 1:34:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 1:34:00 AM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	SPRING B	**Lab ID:**	0710A68-17A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 11:10:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 1:34:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 1:34:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 1:34:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 1:34:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 1:34:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 1:34:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 1:34:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:34:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:34:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 1:34:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 1:34:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 1:34:00 AM
Methylene chloride	1.1	µg/L		0.54	1.0	10/20/2007 1:34:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 1:34:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 1:34:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 1:34:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 1:34:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 1:34:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 1:34:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 1:34:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 1:34:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 1:34:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 1:34:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 1:34:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 1:34:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 1:34:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 1:34:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 1:34:00 AM
Surr: 1,2-Dichloroethane-d4	102	%REC			80-120	10/20/2007 1:34:00 AM
Surr: 4-Bromofluorobenzene	113	%REC			86-115	10/20/2007 1:34:00 AM
Surr: Dibromofluoromethane	96.6	%REC			80-120	10/20/2007 1:34:00 AM
Surr: Toluene-d8	120	%REC	S		88-110	10/20/2007 1:34:00 AM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-1 DUP	**Lab ID:**	0710A68-18A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 1:40:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 7:50:08 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 7:50:08 PM
Barium	0.160	mg/L		0.00100	0.100	10/18/2007 7:50:08 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 7:50:08 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 7:50:08 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 7:50:08 PM
Cobalt	0.0382	mg/L		0.00100	0.0100	10/18/2007 7:50:08 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 7:50:08 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 7:50:08 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 7:50:08 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 7:50:08 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 7:50:08 PM
Thallium	J	mg/L	J	0.00020	0.0050	10/18/2007 7:50:08 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 7:50:08 PM
Zinc	0.0346	mg/L		0.00300	0.0100	10/18/2007 7:50:08 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/19/2007 4:15:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/19/2007 4:15:00 PM
Benzene	3.7	µg/L		0.13	1.0	10/19/2007 4:15:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/19/2007 4:15:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/19/2007 4:15:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/19/2007 4:15:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/19/2007 4:15:00 PM
2-Butanone	ND	µg/L		4.68	100	10/19/2007 4:15:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/19/2007 4:15:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/19/2007 4:15:00 PM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/19/2007 4:15:00 PM
Chloroethane	J	µg/L	J	0.94	10.0	10/19/2007 4:15:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/19/2007 4:15:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/19/2007 4:15:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/19/2007 4:15:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/19/2007 4:15:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/19/2007 4:15:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/19/2007 4:15:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/19/2007 4:15:00 PM
1,4-Dichlorobenzene	5.6	µg/L		0.29	1.0	10/19/2007 4:15:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-1 DUP	**Lab ID:**	0710A68-18A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 1:40:00 PM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/19/2007 4:15:00 PM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/19/2007 4:15:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/19/2007 4:15:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/19/2007 4:15:00 PM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/19/2007 4:15:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/19/2007 4:15:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/19/2007 4:15:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 4:15:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/19/2007 4:15:00 PM
Ethylbenzene	J	µg/L	J	0.18	1.0	10/19/2007 4:15:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/19/2007 4:15:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/19/2007 4:15:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/19/2007 4:15:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/19/2007 4:15:00 PM
Styrene	ND	µg/L		0.24	1.0	10/19/2007 4:15:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/19/2007 4:15:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/19/2007 4:15:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/19/2007 4:15:00 PM
Toluene	1.4	µg/L		0.17	1.0	10/19/2007 4:15:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/19/2007 4:15:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/19/2007 4:15:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/19/2007 4:15:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/19/2007 4:15:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/19/2007 4:15:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/19/2007 4:15:00 PM
Vinyl chloride	20.9	µg/L		0.22	1.0	10/19/2007 4:15:00 PM
o-Xylene	1.1	µg/L		0.19	1.0	10/19/2007 4:15:00 PM
m,p-Xylene	J	µg/L	J	0.29	2.0	10/19/2007 4:15:00 PM
Surr: 1,2-Dichloroethane-d4	96.1	%REC			80-120	10/19/2007 4:15:00 PM
Surr: 4-Bromofluorobenzene	111	%REC			86-115	10/19/2007 4:15:00 PM
Surr: Dibromofluoromethane	92.7	%REC			80-120	10/19/2007 4:15:00 PM
Surr: Toluene-d8	122	%REC	S		88-110	10/19/2007 4:15:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5A DUP	**Lab ID:**	0710A68-19A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:25:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/18/2007 8:07:48 PM
Arsenic	ND	mg/L		0.00200	0.0100	10/18/2007 8:07:48 PM
Barium	J	mg/L	J	0.00100	0.100	10/18/2007 8:07:48 PM
Beryllium	ND	mg/L		0.00020	0.0010	10/18/2007 8:07:48 PM
Cadmium	ND	mg/L		0.00020	0.0010	10/18/2007 8:07:48 PM
Chromium	ND	mg/L		0.00100	0.0100	10/18/2007 8:07:48 PM
Cobalt	J	mg/L	J	0.00100	0.0100	10/18/2007 8:07:48 PM
Copper	J	mg/L	J	0.00100	0.0100	10/18/2007 8:07:48 PM
Lead	J	mg/L	J	0.00020	0.0100	10/18/2007 8:07:48 PM
Nickel	J	mg/L	J	0.00200	0.0500	10/18/2007 8:07:48 PM
Selenium	ND	mg/L		0.00300	0.0100	10/18/2007 8:07:48 PM
Silver	J	mg/L	J	0.00100	0.0100	10/18/2007 8:07:48 PM
Thallium	ND	mg/L		0.00020	0.0050	10/18/2007 8:07:48 PM
Vanadium	J	mg/L	J	0.00100	0.0200	10/18/2007 8:07:48 PM
Zinc	0.0289	mg/L		0.00300	0.0100	10/18/2007 8:07:48 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 2:40:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 2:40:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 2:40:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 2:40:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 2:40:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 2:40:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 2:40:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 2:40:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 2:40:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 2:40:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 2:40:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 2:40:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 2:40:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 2:40:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 2:40:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 2:40:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 2:40:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 2:40:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 2:40:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 2:40:00 AM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	MW-5A DUP	**Lab ID:**	0710A68-19A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007 9:25:00 AM
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 2:40:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 2:40:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 2:40:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 2:40:00 AM
cis-1,2-Dichloroethene	9.6	µg/L		0.23	5.0	10/20/2007 2:40:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 2:40:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 2:40:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 2:40:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 2:40:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 2:40:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 2:40:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 2:40:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 2:40:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 2:40:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 2:40:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 2:40:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 2:40:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 2:40:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 2:40:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 2:40:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 2:40:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 2:40:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 2:40:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 2:40:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 2:40:00 AM
Vinyl chloride	10.9	µg/L		0.22	1.0	10/20/2007 2:40:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 2:40:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 2:40:00 AM
Surr: 1,2-Dichloroethane-d4	98.5	%REC			80-120	10/20/2007 2:40:00 AM
Surr: 4-Bromofluorobenzene	113	%REC			86-115	10/20/2007 2:40:00 AM
Surr: Dibromofluoromethane	95.4	%REC			80-120	10/20/2007 2:40:00 AM
Surr: Toluene-d8	121	%REC	S		88-110	10/20/2007 2:40:00 AM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	TRIP BLANK #4	**Lab ID:**	0710A68-20A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 3:13:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 3:13:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 3:13:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 3:13:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 3:13:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 3:13:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 3:13:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 3:13:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 3:13:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 3:13:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 3:13:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 3:13:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 3:13:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 3:13:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 3:13:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 3:13:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 3:13:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 3:13:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 3:13:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 3:13:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 3:13:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 3:13:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 3:13:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 3:13:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 3:13:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 3:13:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 3:13:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 3:13:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 3:13:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 3:13:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 3:13:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 3:13:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/20/2007 3:13:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 3:13:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 3:13:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 3:13:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 3:13:00 AM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *09-Nov-07*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A68
Client Sample ID:	TRIP BLANK #4	**Lab ID:**	0710A68-20A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	10/15/2007
Site ID:	OLD HIGHLANDS N.C.	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 3:13:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 3:13:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 3:13:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 3:13:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 3:13:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 3:13:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 3:13:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 3:13:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 3:13:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 3:13:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 3:13:00 AM
Surr: 1,2-Dichloroethane-d4	94.9	%REC			80-120	10/20/2007 3:13:00 AM
Surr: 4-Bromofluorobenzene	110	%REC			86-115	10/20/2007 3:13:00 AM
Surr: Dibromofluoromethane	93.1	%REC			80-120	10/20/2007 3:13:00 AM
Surr: Toluene-d8	120	%REC	S		88-110	10/20/2007 3:13:00 AM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

225 Industrial Park Drive
Beaver, WV 25813
TEL: 304.255.2500
FAX: 304.255.2572
Website: www.reiclabs.com

Improving the environment, one client at a time...

February 13, 2008

Mr. Chris Stahl
MACON COUNTY SOLID WASTE MANAGEMENT
5 WEST MAIN ST
FRANKLIN NC 28734

TEL: (828) 349-2100
FAX: (828) 349-2185

RE: HIGHLANDS C+D

Order No.: 0710A71

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 5 sample(s) on 10/18/2007 for the analyses presented in the following report.

Please note two changes you may see on your report.

- Results for "Dissolved" parameters will be shown under a separate sample ID, rather than as a separate analysis under the same sample ID. The sample ID for "Dissolved" parameters will include "Field Filtered" or "Lab Filtered", as appropriate.
- Metals results will no longer be identified as "Total" or "Total Recoverable". The methods have not been changed, only their appearance on the report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Beth Johnson

Beth Johnson
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

Improving the environment, one client at a time...

Case Narrative

WO#: 0710A71

Date: 2/13/2008

CLIENT: MACON COUNTY SOLID WASTE MAN

All analyses were performed using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. REI Consultants, Inc. (REIC) technical managers have verified compliance of reported results with the REIC's Quality Program and SOPs, except as noted in this case narrative. Any deviation from compliance is explained below and/or identified within the body of this report by a qualifier footnote which is defined at the bottom of each page.

All samples were analyzed using the methods stated in the analytical report without modification, unless otherwise noted.

All sample results are reported on an "as-received" basis unless otherwise noted.

Results reported for sums of individual parameters, such as Total Trihalomethanes (TTHM) and Total Haloacetic Acids (HAA5), may vary slightly from the sum of the individual parameter results. This apparent anomaly is caused by rounding individual results and summations at reporting, as required by EPA.

The test results in this report meet all NELAP requirements for parameters for which accreditations are required or available. Any exceptions are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	MW-A	**Lab ID:**	0710A71-01A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 3:43:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 9:02:54 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 9:02:54 AM
Barium	J	mg/L	J	0.00100	0.100	10/19/2007 9:02:54 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 9:02:54 AM
Cadmium	ND	mg/L		0.00020	0.0010	10/19/2007 9:02:54 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 9:02:54 AM
Cobalt	ND	mg/L		0.00100	0.0100	10/19/2007 9:02:54 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 9:02:54 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 9:02:54 AM
Nickel	ND	mg/L		0.00200	0.0500	10/19/2007 9:02:54 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 9:02:54 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 9:02:54 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 9:02:54 AM
Vanadium	ND	mg/L		0.00100	0.0200	10/19/2007 9:02:54 AM
Zinc	0.0227	mg/L		0.00300	0.0100	10/19/2007 9:02:54 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 1:23:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 1:23:00 PM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 1:23:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 1:23:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 1:23:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 1:23:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 1:23:00 PM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 1:23:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 1:23:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 1:23:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 1:23:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 1:23:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 1:23:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 1:23:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 1:23:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 1:23:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 1:23:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 1:23:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 1:23:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 1:23:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	MW-A	**Lab ID:**	0710A71-01A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 3:43:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 1:23:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 1:23:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 1:23:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 1:23:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 1:23:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 1:23:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 1:23:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:23:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:23:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 1:23:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 1:23:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 1:23:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/20/2007 1:23:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 1:23:00 PM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 1:23:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 1:23:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 1:23:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 1:23:00 PM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 1:23:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 1:23:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 1:23:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 1:23:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 1:23:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 1:23:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 1:23:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 1:23:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 1:23:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 1:23:00 PM
Surr: 1,2-Dichloroethane-d4	103	%REC			80-120	10/20/2007 1:23:00 PM
Surr: 4-Bromofluorobenzene	114	%REC			86-115	10/20/2007 1:23:00 PM
Surr: Dibromofluoromethane	101	%REC			80-120	10/20/2007 1:23:00 PM
Surr: Toluene-d8	105	%REC			88-110	10/20/2007 1:23:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	MW-B	**Lab ID:**	0710A71-02A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 4:15:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 9:08:47 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 9:08:47 AM
Barium	J	mg/L	J	0.00100	0.100	10/19/2007 9:08:47 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 9:08:47 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 9:08:47 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 9:08:47 AM
Cobalt	J	mg/L	J	0.00100	0.0100	10/19/2007 9:08:47 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 9:08:47 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 9:08:47 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 9:08:47 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 9:08:47 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 9:08:47 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 9:08:47 AM
Vanadium	J	mg/L	J	0.00100	0.0200	10/19/2007 9:08:47 AM
Zinc	0.0432	mg/L		0.00300	0.0100	10/19/2007 9:08:47 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 1:55:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 1:55:00 PM
Benzene	J	µg/L	J	0.13	1.0	10/20/2007 1:55:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 1:55:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 1:55:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 1:55:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 1:55:00 PM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 1:55:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 1:55:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 1:55:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 1:55:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 1:55:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 1:55:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 1:55:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 1:55:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 1:55:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 1:55:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 1:55:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 1:55:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 1:55:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	MW-B	**Lab ID:**	0710A71-02A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 4:15:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 1:55:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 1:55:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 1:55:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 1:55:00 PM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/20/2007 1:55:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 1:55:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 1:55:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:55:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 1:55:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 1:55:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 1:55:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 1:55:00 PM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 1:55:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 1:55:00 PM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 1:55:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 1:55:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 1:55:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 1:55:00 PM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 1:55:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 1:55:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 1:55:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 1:55:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 1:55:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 1:55:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 1:55:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 1:55:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 1:55:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 1:55:00 PM
Surr: 1,2-Dichloroethane-d4	99.5	%REC			80-120	10/20/2007 1:55:00 PM
Surr: 4-Bromofluorobenzene	110	%REC			86-115	10/20/2007 1:55:00 PM
Surr: Dibromofluoromethane	103	%REC			80-120	10/20/2007 1:55:00 PM
Surr: Toluene-d8	106	%REC			88-110	10/20/2007 1:55:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	WSW-1	**Lab ID:**	0710A71-03A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 3:40:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 9:14:40 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 9:14:40 AM
Barium	J	mg/L	J	0.00100	0.100	10/19/2007 9:14:40 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 9:14:40 AM
Cadmium	ND	mg/L		0.00020	0.0010	10/19/2007 9:14:40 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 9:14:40 AM
Cobalt	ND	mg/L		0.00100	0.0100	10/19/2007 9:14:40 AM
Copper	ND	mg/L		0.00100	0.0100	10/19/2007 9:14:40 AM
Lead	ND	mg/L		0.00020	0.0100	10/19/2007 9:14:40 AM
Nickel	ND	mg/L		0.00200	0.0500	10/19/2007 9:14:40 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 9:14:40 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 9:14:40 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 9:14:40 AM
Vanadium	ND	mg/L		0.00100	0.0200	10/19/2007 9:14:40 AM
Zinc	0.0220	mg/L		0.00300	0.0100	10/19/2007 9:14:40 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/22/2007 2:03:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/22/2007 2:03:00 PM
Benzene	ND	µg/L		0.13	1.0	10/22/2007 2:03:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/22/2007 2:03:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/22/2007 2:03:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/22/2007 2:03:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/22/2007 2:03:00 PM
2-Butanone	ND	µg/L		4.68	100	10/22/2007 2:03:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/22/2007 2:03:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/22/2007 2:03:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/22/2007 2:03:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/22/2007 2:03:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/22/2007 2:03:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/22/2007 2:03:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/22/2007 2:03:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/22/2007 2:03:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/22/2007 2:03:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/22/2007 2:03:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/22/2007 2:03:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/22/2007 2:03:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	WSW-1	**Lab ID:**	0710A71-03A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 3:40:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/22/2007 2:03:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/22/2007 2:03:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/22/2007 2:03:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/22/2007 2:03:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/22/2007 2:03:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/22/2007 2:03:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/22/2007 2:03:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 2:03:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 2:03:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/22/2007 2:03:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/22/2007 2:03:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/22/2007 2:03:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/22/2007 2:03:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/22/2007 2:03:00 PM
Styrene	ND	µg/L		0.24	1.0	10/22/2007 2:03:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/22/2007 2:03:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/22/2007 2:03:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/22/2007 2:03:00 PM
Toluene	ND	µg/L		0.17	1.0	10/22/2007 2:03:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/22/2007 2:03:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/22/2007 2:03:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/22/2007 2:03:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/22/2007 2:03:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/22/2007 2:03:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/22/2007 2:03:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/22/2007 2:03:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/22/2007 2:03:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/22/2007 2:03:00 PM
Surr: 1,2-Dichloroethane-d4	89.7	%REC			80-120	10/22/2007 2:03:00 PM
Surr: 4-Bromofluorobenzene	112	%REC			86-115	10/22/2007 2:03:00 PM
Surr: Dibromofluoromethane	93.3	%REC			80-120	10/22/2007 2:03:00 PM
Surr: Toluene-d8	108	%REC			88-110	10/22/2007 2:03:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	MW-B DUP	**Lab ID:**	0710A71-04A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 4:15:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 9:20:33 AM
Arsenic	J	mg/L	J	0.00200	0.0100	10/19/2007 9:20:33 AM
Barium	J	mg/L	J	0.00100	0.100	10/19/2007 9:20:33 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 9:20:33 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 9:20:33 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 9:20:33 AM
Cobalt	J	mg/L	J	0.00100	0.0100	10/19/2007 9:20:33 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 9:20:33 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 9:20:33 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 9:20:33 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 9:20:33 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 9:20:33 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 9:20:33 AM
Vanadium	J	mg/L	J	0.00100	0.0200	10/19/2007 9:20:33 AM
Zinc	0.0615	mg/L		0.00300	0.0100	10/19/2007 9:20:33 AM

NOTES:

Matrix spike recovery did not meet REIC control criteria due to matrix interference.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/22/2007 2:36:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/22/2007 2:36:00 PM
Benzene	J	µg/L	J	0.13	1.0	10/22/2007 2:36:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/22/2007 2:36:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/22/2007 2:36:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/22/2007 2:36:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/22/2007 2:36:00 PM
2-Butanone	ND	µg/L		4.68	100	10/22/2007 2:36:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/22/2007 2:36:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/22/2007 2:36:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/22/2007 2:36:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/22/2007 2:36:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/22/2007 2:36:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/22/2007 2:36:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/22/2007 2:36:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/22/2007 2:36:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/22/2007 2:36:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/22/2007 2:36:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	MW-B DUP	**Lab ID:**	0710A71-04A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007 4:15:00 PM
Site ID:	HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/22/2007 2:36:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/22/2007 2:36:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/22/2007 2:36:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/22/2007 2:36:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/22/2007 2:36:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/22/2007 2:36:00 PM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/22/2007 2:36:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/22/2007 2:36:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/22/2007 2:36:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 2:36:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 2:36:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/22/2007 2:36:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/22/2007 2:36:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/22/2007 2:36:00 PM
Methylene chloride	1.0	µg/L		0.54	1.0	10/22/2007 2:36:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/22/2007 2:36:00 PM
Styrene	ND	µg/L		0.24	1.0	10/22/2007 2:36:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/22/2007 2:36:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/22/2007 2:36:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/22/2007 2:36:00 PM
Toluene	ND	µg/L		0.17	1.0	10/22/2007 2:36:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/22/2007 2:36:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/22/2007 2:36:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/22/2007 2:36:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/22/2007 2:36:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/22/2007 2:36:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/22/2007 2:36:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/22/2007 2:36:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/22/2007 2:36:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/22/2007 2:36:00 PM
Surr: 1,2-Dichloroethane-d4	97.7	%REC			80-120	10/22/2007 2:36:00 PM
Surr: 4-Bromofluorobenzene	111	%REC			86-115	10/22/2007 2:36:00 PM
Surr: Dibromofluoromethane	95.4	%REC			80-120	10/22/2007 2:36:00 PM
Surr: Toluene-d8	109	%REC			88-110	10/22/2007 2:36:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	TRIP BLANK #1	**Lab ID:**	0710A71-05A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007
Site ID:	HIGHLANDS NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/22/2007 3:09:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/22/2007 3:09:00 PM
Benzene	ND	µg/L		0.13	1.0	10/22/2007 3:09:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/22/2007 3:09:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/22/2007 3:09:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/22/2007 3:09:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/22/2007 3:09:00 PM
2-Butanone	ND	µg/L		4.68	100	10/22/2007 3:09:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/22/2007 3:09:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/22/2007 3:09:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/22/2007 3:09:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/22/2007 3:09:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/22/2007 3:09:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/22/2007 3:09:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/22/2007 3:09:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/22/2007 3:09:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/22/2007 3:09:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/22/2007 3:09:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/22/2007 3:09:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/22/2007 3:09:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/22/2007 3:09:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/22/2007 3:09:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/22/2007 3:09:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/22/2007 3:09:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/22/2007 3:09:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/22/2007 3:09:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/22/2007 3:09:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 3:09:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 3:09:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/22/2007 3:09:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/22/2007 3:09:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/22/2007 3:09:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/22/2007 3:09:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/22/2007 3:09:00 PM
Styrene	ND	µg/L		0.24	1.0	10/22/2007 3:09:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/22/2007 3:09:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/22/2007 3:09:00 PM

Key:

MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
NA	Not Applicable	E	Estimated Value above quantitation range
ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

REI Consultants, Inc. Analytical Results

Date: *13-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A71
Client Sample ID:	TRIP BLANK #1	**Lab ID:**	0710A71-05A
Project:	HIGHLANDS C+D	**Collection Date:**	10/15/2007
Site ID:	HIGHLANDS NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Tetrachloroethene	ND	µg/L		0.20	1.0	10/22/2007 3:09:00 PM
Toluene	ND	µg/L		0.17	1.0	10/22/2007 3:09:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/22/2007 3:09:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/22/2007 3:09:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/22/2007 3:09:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/22/2007 3:09:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/22/2007 3:09:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/22/2007 3:09:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/22/2007 3:09:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/22/2007 3:09:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/22/2007 3:09:00 PM
Surr: 1,2-Dichloroethane-d4	94.5	%REC			80-120	10/22/2007 3:09:00 PM
Surr: 4-Bromofluorobenzene	108	%REC			86-115	10/22/2007 3:09:00 PM
Surr: Dibromofluoromethane	97.6	%REC			80-120	10/22/2007 3:09:00 PM
Surr: Toluene-d8	108	%REC			88-110	10/22/2007 3:09:00 PM

Key:				
	MCL	Maximum Contaminant Level	J	Analyte detected below quantitation limits
	MDL	Minimum Detection Limit	B	Analyte detected in the associated Method Blank
	NA	Not Applicable	E	Estimated Value above quantitation range
	ND	Not Detected at the PQL or MDL	H	Holding times for preparation or analysis exceeded
	PQL	Practical Quantitation Limit	S	Spike/Surrogate Recovery outside accepted recovery limits
	TIC	Tentatively Identified Compound, Estimated Concentration	*	Value exceeds Maximum Contaminant Level

CHAIN OF CUSTODY RECORD

NO. 216923

1 of 3

REIC

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Macon Co Dept. of Swm
ADDRESS: 109 Sierra Drive
CITY/STATE/ZIP: Franklin, N.C 28734
BILL TO: Same
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: Chris Stahl
TELEPHONE #: 828-349-2100
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: Old Highlands N.C
PROJECT ID: Old Highlands Landfill
SAMPLER: Farley/McBride/Logan

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ✓
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

ANALYSIS REQUESTED & METHOD: N.C Appendix I; TSS

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	N.C Appendix I	TSS	COMMENTS
MW-1	6	10-15-07 1340	H2O	Grab	X	X	Analyze Dis. Metals for any total Metal Detections.
MW-2		1243					
MW-4		1435					
MW-4A		1500					
MW-5		0940					
MW-5A		0925					
MW-5B		0955					
MW-5C		0945					
MW-6		1128					
MW-6A		1049					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-18-07 1045	[signature]	10-18-07 1045				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2.0 °C	☐ FAX Results	☐ Email Results	

CHAIN OF CUSTODY RECORD

NO. 210924 2 of 3

REIC

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Macon Co
ADDRESS:
CITY/STATE/ZIP:
BILL TO:
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON:
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE:
PROJECT ID: OLD Highlands Landfill
SAMPLER: Farley/McBride/Logan

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ✓
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

NOTE PRESERVATIVES →

PRESERVATIVE CODES

ANALYSIS REQUESTED & METHOD

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	N.C Appendix I	TSS	COMMENTS
MW-6C	6	10-15-07 1055	H20	Grab	X	X	Analyze Dis. Metal for any total metal Detections.
MW-7		1405					
MW-8		1210					
Chastain Well		1125					
McCall Well		1140					
Chastain Spring		1105					
Spring B		1110					
Spring A	Dry	NO	Sample				
MW-1 Dup	18	1340	H20	Grab			
MW-5A Dup	18	0925					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-18-07 1045	[signature]	10-18-07 1045				

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival	
				2.0	°C

☐ FAX Results ☐ Email Results

CHAIN OF CUSTODY RECORD

NO. 216952

REIC

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Macon Co
ADDRESS:
CITY/STATE/ZIP:
BILL TO:
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON:
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: Old Highlands N.C
PROJECT ID: Old Highlands LandFill
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ✓
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

ANALYSIS REQUESTED & METHOD: Ne Appendix I VOC's

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	Ne Appendix I VOC's	COMMENTS
Trip Blank #4	2-VOA				X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
RZ Labs	10-18-07 1045	Kathy Berry	10-18-07 10:45				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2.0 °C			

☐ FAX Results ☐ Email Results

CHAIN OF CUSTODY RECORD

NO. 210925

REIC

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Macon Co Dept. of SWM
ADDRESS: 109 Sierra Drive
CITY/STATE/ZIP: Franklin N.C 28734
BILL TO: Same
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: Chris Stahl
TELEPHONE #: 828-349-2100
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: Highland N.C
PROJECT ID: Highland CtD
SAMPLER: Farley/McBride/Logan

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ✓
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

ANALYSIS REQUESTED & METHOD

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	N.C Appendix I	TSS	N.C Appendix I VOCs	COMMENTS
MW-A	G	10-15-07 1543	H2O	Grab	X	X		Analyze Dis Metals
MW-B	↓	1615	↓	↓	X	X		For any total metal
WSW-1	↓	1540	↓	↓	X	X		Detections
MW-B Dup	18	1615	H2O	Grab				
Trip Blank #1	2VOA					X		
SW-1	Dry	No	Sample					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	10-18-07 1045		10-18-7 1045				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2.0 °C	☐ FAX Results	☐ Email Results	

Appendix D

Historical Laboratory Results

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-1	NC Standard	Oct-93	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	130	*	130	170	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*
	Benzene	1	**6.1**	*	**6**	**5.9**	*	*	*	*	*	*	**5**	**4.4**	*	**3.5**	**3.6**	**3.2**	**4.1**	**2.5**	**3.3**	*	*	*	**3.4**	**3.7**	**3.5**	**3.7**	**5.8**	**1**	**3.9**	**3.7**
	2-Butonone (MEK)	4200	*	*	**230**	**240**	*	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	*	3.2	3.7	4.4	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.3	*	1	1	1.3	*	*	*	*	*	*	*	*	3	*	*
	Chloroethane	2800	44.1	*	*	*	*	*	*	*	*	*	*	3.4	*	2.7	2	1.9	*	1.6	1.3	*	*	*	*	*	*	*	*	10	*	*
	1,4-Dichlorobenzene	1.4	13.3	*	*	*	*	*	*	*	*	*	*	*	*	3.2	3.2	3.6	4	2.6	4	*	*	5.8	5.7	*	*	**5.5**	**5.8**	**1.0**	**5.6**	**5.5**
	cis-1,2-Dichloroethene	70	**443**	*	**200**	**140**	40	39	*	*	*	15.4	17	28.2	3.6	10.4	4.1	7.4	5.2	2.6	*	7.4	7.3	*	*	*	*	*	*	5	*	*
	trans-1,2-Dichloroethene	100	5.1	*	*	*	*	*	*	37	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*
	Methylene Chloride	4.6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*
	4-Methyl-2-pentanone	NL	44.6	*	*	*	30	*	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*
	Toluene	1000	28.1	*	19	19	13	9	*	*	*	*	*	7.7	*	2.4	3.7	1.9	*	*	*	*	*	*	*	*	*	*	*	1	*	1.4
	Vinyl Chloride	0.015	**122**	*	**120**	**110**	**85**	*	**24**	*	**49**	**12.7**	**82**	**25.2**	**7.4**	**21.1**	**15**	**13**	**13**	**9.8**	**12**	**23**	**23**	**47**	**24.9**	**24.6**	**28.3**	**23.3**	**38**	**1**	**21.3**	**19.1**
	Xylenes total	530	20	*	18	16	*	8	*	*	*	*	*	6.5	*	4.4	10	4	4.6	3.8	3.9	*	*	*	*	*	*	*	*	3	*	*
Metals	Barium	2000	440	329	130	136	134	127	284	141	130	122	110	137	128	136	150	180	160	170	160	140	150	150	*	*	*	*	*	100	177	157
	Cadmium	1.75	**5**	*	*	*	*	*	*	*	*	*	*	*	*	1	*	3	*	*	*	*	*	1.4	*	*	*	*	*	1	*	*
	Chromium	50	42	20	*	*	*	*	*	*	*	*	*	*	*	*	12	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*
	Cobalt	NL	260	*	188	175	165	146	129	127	*	113	100	104	89	94	87	89	81	75	74	72	76	65	59.3	62	48.7	61.6	41.6	10	56.4	38.8
	Copper	1000	*	51	*	*	*	*	17	*	*	*	*	*	*	*	*	*	*	*	*	6.2	*	*	*	*	*	*	*	10	*	*
	Lead	15	**28**	**28**	*	*	*	*	11	4	*	*	*	*	3	*	*	7.2	*	*	*	*	*	*	*	*	*	*	*	10	*	*
	Nickel	100	*	*	*	*	*	*	*	*	31	*	*	*	*	*	35	*	*	16	*	*	*	*	*	*	*	*	*	50	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	14	9	11	*	16	8.9	*	15	13	13	*	*	*	*	*	*	10	*	*
	Silver	17.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.7	*	*	*	*	*	*	*	*	*	*	10	*	*
	Vanadium	NL	60	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	*	*
	Zinc	1050	160	73	25	19	11	26	61	*	45	104	*	*	*	*	13	32	57	16	24	72	55	26	*	*	*	*	58.6	10	44.1	19.0

Notes:

1. * - constituent did not exceed laboratory practical quantitation limit (PQL) or Solid Waste Section Limit (SWSL).
2. NS - location not sampled.
3. NL - constituent does not have a NC 2L Standard
4. Bold indicates that constituent exceeds NC 2L Standard.
5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-2	NC Standard	Oct-93	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	*	*	*	39	*	*	*	*	*	*	*	*	29.3	*	*	*	*	*	43	26	*	*	*	*	*	*	**100**	*	*
	Benzene	1	**3.9**	*	**5.5**	**5.3**	*	*	*	*	*	*	**3**	**2.8**	**2.6**	**2.2**	**2**	**2.2**	**2.2**	**4.6**	**1.6**	*	*	*	*	*	*	*	*	**1**	*	*
	2-Butanone (MEK)	4200	*	*	110	110	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	*	9.5	13.4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	1.1	1	*	*	*	*	*	*	*	*	**3**	*	*
	Chloroethane	2800	20.7	*	*	*	*	*	*	*	*	*	*	7.2	5.6	7.5	6.4	16	11	5.5	6.5	11	*	*	*	*	*	*	*	**10**	*	*
	Chloroform	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	1,4-Dichlorobenzene	1.4	5.7	*	*	*	*	*	*	*	*	*	*	2.1	3	2.7	2.9	2.6	2.8	2.4	2.5	*	*	*	*	*	*	*	*	**1**	1.2	1.2
	1,1-Dichloroethane	70	*	*	5.8	5.9	*	*	*	*	*	*	*	*	*	*	*	1.1	1.5	1.5	*	*	*	*	*	*	*	*	*	**5**	*	*
	cis-1,2-Dichloroethene	70	*	*	**310**	65	**170**	**110**	*	*	*	44.8	39	31.6	26.6	25.3	18	26	26	19	18	15	25	7.4	7.7	7.3	9.4	6.4	7.0	**5**	5.4	6.2
	trans-1,2-Dichloroethene	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.2	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Ethylbenzene	550	*	*	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Tetrachloroethene (PCE)	0.7	**13.2**	*	**6.3**	*	*	*	*	*	*	*	**3**	*	*	*	**2.3**	**1.9**	**1.4**	**1.1**	*	*	*	*	*	*	*	*	*	**1**	*	*
	Toluene	1000	5.37	*	12	13	11	13	**5**	26	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Vinyl Chloride	0.015	**42.9**	*	**49**	**40**	**66**	**81**	**18**	**34**	**23**	**19.5**	**63**	**23.9**	**24.3**	**15.7**	**12**	**22**	**15**	**13**	**12**	**9.9**	**14**	**6.4**	**6.0**	**6.1**	**7.8**	**5.1**	**6.4**	**1**	**6.4**	**5.9**
	Xylenes total	530	11	*	22	14	*	*	*	*	*	*	*	*	*	*	*	*	*	3.2	*	*	*	*	*	*	*	*	*	**3**	*	*
Metals	Barium	2000	620	408	*	100	112	*	182	*	*	76	67	78	71	75	81	82	79	*	*	70	64	58	*	*	*	*	*	**100**	*	*
	Cadmium	1.75	2	2	*	*	*	*	*	1	**6**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	**120**	**64**	*	*	*	*	*	*	*	*	*	*	*	*	2.9	*	*	*	*	*	*	*	*	*	*	*	10.7	**10**	*	*
	Cobalt	NL	300	*	38	41	27	24	21	22	*	*	*	*	*	*	11	12	*	*	*	14	12	9.7	14.6	11.9	14.5	11.8	*	**10**	23.2	10.4
	Copper	1000	170	122	*	*	*	*	*	9	*	*	*	*	*	*	*	*	*	*	*	11	3	2.7	*	*	*	*	*	**10**	12.7	*
	Lead	15	**64**	**54**	*	*	*	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*	*	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	11	8	*	7	*	*	*	5.5	6.7	*	*	*	*	*	*	**10**	*	*
	Zinc	1050	780	346	43	55	15	54	60	*	*	154	21	45	*	*	16	19	24	11	24	35	15	11	*	*	*	*	*	**10**	74.8	32.8

Notes:

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4. Bold indicates that constituent exceeds NC 2L Standard.
5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-4	NC Standard	Oct-93	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	3-Apr	3-Oct	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	**1.8**	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	**1.7**
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	DRY	*	6.3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	1.8	*	*	*	*	*	*	*	*	*	*	*	*	**3**	*	*
	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	1.8	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	**1.4**
	cis-1,2-Dichloroethene	70	2.9	*	*	*	*	*	*	*	*	*	DRY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	2-Hexanone	NL	*	*	*	*	*	*	*	88	*	*	DRY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Vinyl Chloride	0.015	**6.1**	*	*	*	*	*	*	*	*	*	DRY	*	*	*	**2.5**	*	*	*	*	*	*	*	*	*	**1.0**	*	*	**1**	*	**1.7**
Metals	Barium	2000	400	530	153	*	248	102	649	71	355	52	DRY	76	33	33	430	34	76	48	64	140	49	190	*	*	*	*	*	**100**	*	242
	Beryllium	NL	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	5	*	*	*	*	1.2	*	*	*	*	*	*	*	**1**	*	*
	Cadmium	1.75	1	*	*	*	*	*	*	1	*	*	DRY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	**56**	*	*	*	*	*	13	*	5	*	DRY	*	*	*	**88**	*	*	*	*	17	*	*	*	*	*	*	*	**10**	*	*
	Cobalt	NL	130	*	*	*	15	11	*	*	*	*	DRY	*	*	*	80	*	*	*	*	6.4	*	14	*	11.4	18.8	16.5	*	**10**	13	35.5
	Copper	1000	*	16	*	*	13	*	8	*	64	*	DRY	*	*	*	100	*	*	*	*	22	5.4	3.7	*	*	*	*	*	**10**	*	27.8
	Lead	15	**107**	**26**	**21**	**23**	**49**	11	**22**	**21**	**61**	11	DRY	9	*	10	**210**	*	5.3	*	*	**19**	5.1	7.8	*	*	*	*	*	**10**	10.7	**75.5**
	Nickel	100	*	*	*	*	*	*	*	*	38	*	DRY	*	*	*	**130**	*	*	*	*	14	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	*	*	*	*	*	*	5.6	*	*	*	*	*	*	**10**	*	*
	Thallium	NL	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	1.4	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Vanadium	NL	50	*	*	*	*	*	*	*	*	*	DRY	*	*	*	52	*	*	*	*	22	*	*	*	*	*	*	*	**20**	*	*
	Zinc	1050	170	34	19	16	45	15	166	*	57	*	DRY	32	*	*	140	*	31	*	11	32	*	*	*	*	*	*	*	**10**	*	70

Notes:

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5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-4A	NC Standard	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	10.6	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Benzene	1	**5.5**	**3.3**	**5.5**	**3.6**	**4.8**	**2.7**	**3.8**	*	*	**6.4**	**4.2**	**4.7**	**3.4**	**3.6**	**3.9**	**1**	**3.1**	**4.1**
	2-Butanone	4200	*	*	*	*	*	*	*	*	*	*	*	*	*	*	70.6	**100**	*	*
	Carbon Disulfide	700	15.3	4.9	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chlorobenzene	50	*	*	*	1.4	1.8	1.4	1.9	*	*	6	*	*	7.2	5.8	*	**3**	11.6	5.0
	Chloroethane	2800	9	6.9	28	9.4	12	2.9	4.7	14	*	*	*	*	5.8	*	*	**10**	*	*
	1,4-Dichlorobenzene	1.4	2.8	*	3.4	1.8	2.4	1.8	2.5	*	*	*	*	*	*	*	*	**1**	**3.4**	**4.1**
	Ethylbenzene	550	12.1	7.5	11	7.8	7.6	4.1	6.6	12	9.8	12	8.1	7	7.3	5.9	*	**1**	4.6	7.3
	Toluene	1000	5.4	2.2	2.4	1.3	*	*	*	18	6.8	12	10.8	*	9.9	*	*	**1**	2.7	1.0
	Vinyl Chloride	0.015	**24.3**	**8.8**	**16**	**14**	**12**	**6.3**	**10**	**15**	**8.2**	**21**	**11.9**	**11.6**	**11.7**	**11.0**	**15.1**	**1.0**	**13.5**	**13.4**
	Xylenes total	530	*	7.8	11	*	4.2	*	3.7	21.9	5.4	5.1	5.7	*	*	*	*	**3**	*	1.7
Metals	Antimony	NL	*	*	*	4	*	*	*	*	*	*	*	*	*	*	*	**6**	*	*
	Arsenic	50	*	*	*	*	*	*	*	*	*	6.1	*	*	*	*	*	**10**	*	*
	Barium	2000	251	253	250	230	260	250	220	280	230	290	*	*	*	*	*	**100**	271	257
	Cadmium	1.75	*	1	*	*	*	*	*	*	*	1.2	*	*	*	*	*	**1**	*	*
	Chromium	50	*	5	12	*	*	*	*	*	2.6	*	*	*		*	*	**10**	*	*
	Cobalt	NL	38	38	39	33	33	32	27	31	23	23	18.1	16.8	14.0	13.8	13.6	**10**	15.1	13.4
	Lead	15	*	*	*	7.7	*	*	*	*	*	5	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	45	*	*	*	*	5	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	21	15	*	12	14	*	24	12	14	*	*	*	*	*	*	**10**	*	*
	Silver	17.5	*	*	*	*	3.5	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Zinc	1050	*	*	15	22	26	14	26	*	14	*	*	*	*	*	*	**10**	*	37.8

Notes:

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5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-5	NC Standard	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	dry	*	*	**710**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Benzene	1	*	dry	*	*	**5.4**	*	*	*	*	**1.2**	*	*	*	*	*	*	1.0	*	*	*	**1**	**1.2**	*
	Carbon Disulfide	700	*	dry	*	53	54	23.7	7.2	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	1,2-Dichlorobenzene	24	6	dry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	1,4-Dichlorobenzene	1.4	*	dry	2.3	*	*	*	*	1.5	*	1.1	*	*	*	*	*	*	*	*	*	*	**1**	**2.5**	*
	cis-1,2-Dichloroethene	70	*	dry	**388**	**430**	*	**188**	**199**	**84**	**70**	**170**	46	**77**	**230**	**200**	**130**	**112**	**114**	**103**	68.9	61.4	**5**	**78.8**	32.2
	trans-1,2-Dichloroethene	100	*	dry	*	*	*	*	4.1	2.2	*	1.3	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Ethylbenzene	550	*	dry	*	*	12.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Trichloroethene (TCE)	2.8	*	dry	*	*	*	*	*	1.6	*	1	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Toluene	1000	*	dry	*	*	16	*	*	*	*	*	5.9	*	*	*	*	*	*	*	*	*	**1**	*	*
	Vinyl Chloride	0.015	**352**	dry	**180**	**323**	*	**117**	**93.1**	**44**	**4.8**	**76**	**4.2**	**42**	**130**	**110**	**80**	**109**	**104**	**108**	**75.2**	**77.2**	**1**	**163**	**35.3**
Metals	Barium	2000	47	dry	54	88	34	52	41	110	46	46	51	44	*	32	34	*	*	*	*	*	**100**	*	*
	Cadmium	1.75	2	dry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	*	dry	*	11	*	*	*	15	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Cobalt	NL	43	dry	*	*	*	*	*	12	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	*	dry	*	*	*	*	*	*	*	*	*	*	5.1	2.6	*	*	*	*	*	*	**10**	*	*
	Lead	15	4	dry	*	12	*	3	*	14	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	dry	*	*	*	*	*	17	*	*	*	*	*	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	dry	*	*	7	*	*	*	*	*	*	*	5.8	6.3	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	*	dry	*	*	*	*	*	14	*	*	*	*	*	*	*	*	*	*	*	*	**20**	*	*
	Zinc	1050	*	dry	51	95	62	26	*	84	40	20	*	30	12	30	59	561	*	458	189	493	**10**	114	72

Notes:

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5. DRY - well was dry during sampling event.
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-5A	NC Standard	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	*	1.1	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
VOCs	cis-1,2-Dichloroethene	70	*	*	6.2	64	7.1	19.8	7.4	27	9.6	2.1	17	11	36	*	*	*	*	*	13.4	**5**	*	10
VOCs	trans 1,2-Dichloroethene	100	154	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
VOCs	Vinyl Chloride	0.015	**32**	**12**	*	**56**	**11.3**	**12.3**	*	**14**	*	*	**9.6**	**2**	**16**	*	*	*	*	**1.5**	**14.8**	**1**	**3.7**	**11**
Metals	Barium	2000	334	*	32	20	17	50	24	100	20	28	24	49	230	10	*	*	*	*	*	**100**	*	*
Metals	Beryllium	NL	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*	*	*	*	*	**1**	*	*
Metals	Cadmium	1.75	**6**	**5**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
Metals	Chromium	50	*	*	*	*	*	*	*	19	*	2.2	*	*	38	16	*	*	*	*	*	**10**	*	*
Metals	Cobalt	NL	19	*	*	*	*	*	*	15	*	*	*	*	45	*	*	*	*	*	*	**10**	*	*
Metals	Copper	1000	*	*	*	*	*	*	*	*	*	*	*	*	57	*	*	*	*	*	*	**10**	*	*
Metals	Lead	15	11	*	*	*	4	6	*	11	*	*	*	5.2	**45**	*	*	*	*	*	*	**10**	*	*
Metals	Nickel	100	*	*	*	*	*	*	*	19	*	*	*	*	37	5	*	*	*	*	*	**50**	*	*
Metals	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	6	*	*	*	*	*	*	**10**	*	*
Metals	Vanadium	NL	*	*	*	*	*	*	*	17	*	*	*	*	44	*	*	*	*	*	*	**20**	*	*
Metals	Zinc	1050	*	*	49	*	50	*	*	37	18	21	*	27	94	*	*	*	*	*	*	**10**	*	43.1

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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-5B	NC Standard	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Benzene	1	*	**1**	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	1,4-Dichlorobenzene	1.4	1.8	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	1,1-Dichloroethane	70	1.8	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	cis-1,2-Dichloroethene	70	**100**	**150**	**79**	**52**	**55**	**110**	68	**120**	**70.2**	49	*	42.6	50.6	**5**	40.9	34.5
	trans-1,2-Dichloroethene	100	1.7	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Tetrachloroethene (PCE)	0.7	**1.8**	*	*	*	*	*	*	*	**1.3**	*	*	*	*	**1**	*	*
	Trichloroethene	2.8	1.3	*	*	*	*	*	*	*	*	*	*	*	1.0	**1**	*	*
	Vinyl Chloride	0.015	**8**	**33**	**3.4**	**3.3**	*	**8.4**	**7.6**	**13**	**5.7**	**4.2**	**4.8**	**4.1**	**4.6**	**1**	**4.9**	**5.0**
Metals	Antimony	NL	*	*	*	*	*	*	6.9	*	*	*	*	*	*	**6**	*	*
	Arsenic	50	*	*	*	*	*	46	16	12	**57.3**	24.1	22.3	22.2	26.9	**10**	20.9	20.1
	Barium	2000	51	91	50	47	60	56	*	18	*	*	*	*	*	**100**	*	*
	Beryllium	NL	*	*	*	*	*	*	*	*	4.7	3.2	2.5	*	*	**1**	*	*
	Cadmium	5	*	3	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Chromium	50	3.1	3.1	*	*	*	*	*	*	21.9	*	*	*	*	**10**	*	*
	Copper	1000	*	*	*	*	*	14	*	*	11.2	*	*	*	*	**10**	*	*
	Lead	15	*	5	*	*	*	9.1	*	*	**155**	**19.8**	*	*	*	**10**	*	*
	Nickel	100	*	*	*	*	*	12	5.5	*	57.2	*	*	*	*	**50**	*	*
	Selenium	50	*	5.5	*	*	*	9.8	*	*	*	*	*	*	*	**10**	*	*
	Zinc	2100	*	23	25	*	11	58	19	*	194	59	*	*	*	**10**	24	19.6

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5. DRY - well was dry during sampling event.
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-5C	NC Standard	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Apr-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	**1.5**	*	**1.2**	**2.8**	**1.7**	*	*	*	*	**1.4**	**1.1**	*	**1.9**	**1**	**1.6**	**1.5**
	Carbon Disulfide	700	5.8	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chloroethane	2800	*	*	2	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	1,4-Dichlorobenzene	1.4	*	1.7	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	1,1-Dichloroethane	70	*	*	1.4	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	cis-1,2-Dichloroethene	70	**209**	**160**	**100**	**120**	57	**89**	63	**100**	67	45	44.1	*	33.4	56.1	**5**	36	34.7
	trans-1,2-Dichloroethene	100	3.4	2.2	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Tetrachloroethene (PCE)	0.7	*	*	**1.4**	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Toluene	0.015	*	1	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Vinyl Chloride	0.02	**46.2**	**51**	**3.9**	**29**	**17**	**22**	**27**	**43**	**30**	**31.1**	**28.6**	**28.6**	**27.2**	**47.6**	**1**	**50.6**	**39.3**
Metals	Arsenic	50	7	*	*	*	*	*	14	*	7.6	*	*	*	*	*	**10**	*	*
	Barium	2000	86	86	54	60	33	53	98	56	77	*	*	*	*	*	**100**	*	*
	Cadmium	1.75	3	*	*	*	*	*	*	*	1.2	*	*	*	*	*	**1**	*	*
	Chromium	50	21	40	2.4	*	*	*	34	4.2	4.8	*	*	*	*	*	**10**	*	*
	Cobalt	NL	*	*	*	*	*	*	6.8	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	47	49	*	*	*	*	89	26	11	*	*	*	*	*	**10**	*	*
	Lead	15	**15**	14	*	*	*	*	**29**	6.4	8.7	*	*	*	*	*	**10**	*	*
	Nickel	100	20	55	*	*	*	*	29	14	8.1	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	*	11	*	*	*	*	*	*	*	**10**	*	*
	Zinc	1050	37	33	21	33	*	17	62	22	16	*	*	*	*	*	**10**	14.4	13.2

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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-6	NC Standard	Oct-93	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Carbon Disulfide	700	N/A	*	*	*	*	2.6	6.8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
Metals	Antimony	NL	N/A	*	*	22	*	*	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	**6**	*	*
	Barium	2000	N/A	*	*	**2170**	83	58	138	138	20	360	80	20	20	130	29	81	*	*	*	*	*	**100**	*	*
	Beryllium	NL	N/A	*	*	9	9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Cadmium	1.75	N/A	1	2	*	*	*	*	*	*	4.2	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	N/A	*	*	**315**	10	*	18	*	*	**50**	8.3	*	*	16	3.8	9.9	*	*	*	*	*	**10**	*	*
	Cobalt	NL	N/A	*	*	251	*	*	39	*	*	160	44	*	*	150	34	59	*	*	*	*	*	**10**	17.8	*
	Copper	1000	N/A	*	*	325	*	*	18	*	*	35	*	*	*	39	3.1	15	*	*	*	*	*	**10**	*	*
	Lead	15	N/A	4	5	7	*	*	*	*	*	8.9	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	N/A	*	*	**187**	*	*	*	*	*	22	*	*	*	21	*	12	*	*	*	*	*	**50**	*	*
	Vanadium	NL	N/A	*	*	752	25	*	40	*	*	110	18	*	*	38	*	20	*	*	*	*	*	**20**	*	*
	Zinc	1050	N/A	*	*	664	32	76	70	*	*	140	49	*	18	52	40	27	*	*	160	*	*	**10**	26.7	*

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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-6A	NC Standard	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
Metals	Arsenic	50	*	*	*	*	*	*	*	*	*	*	*	5.7	*	6.4	*	*	*	*	*	**10**	*	*
	Barium	2000	286	601	440	239	296	293	130	210	99	110	160	970	190	440	997	*	*	*	*	**100**	358	*
	Beryllium	NL	*	7	8	*	*	*	*	2	*	*	*	19	*	*	9.3	*	*	*	*	**1**	2.1	*
	Cadmium	1.75	1	*	*	*	*	1	*	2.1	*	*	*	*	*	1.9	*	*	*	*	*	**1**	*	*
	Chromium	50	*	**109**	**76**	18	46	45	27	36	16	18	27	**260**	*	**82**	**174**	*	*	*	*	**10**	*	*
	Cobalt	NL	*	61	42	*	26	24	11	19	*	*	14	79	7.8	30	70.8	*	*	*	*	**10**	13.6	*
	Copper	1000	*	133	85	24	58	55	21	36	21	20	35	370	10	120	*	*	*	*	*	**10**	19.9	*
	Lead	15	7	**30**	**23**	10	**19**	**17**	7.4	13	*	5.6	7.7	**79**	5.8	**36**	**56.9**	*	*	*	*	**10**	10.3	*
	Nickel	100	24	47	29	*	*	13	17	*	*	*	*	**100**	*	35	58.5	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	*	*	7.6	5	*	*	12	*	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	*	362	268	64	145	147	62	100	43	57	77	790	14	260	516	*	*	*	*	**20**	*	*
	Zinc	1050	*	156	104	50	68	63	28	46	37	24	34	250	*	91	179	*	*	*	*	**10**	75.8	29.8

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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-6C	NC Standard	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	15.4	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Benzene	1	*	**2.6**	**2.1**	*	*	*	**1.4**	*	*	*	*	*	*	*	*	**1**	*	*
	2-Butanone (MEK)	4200	*	*	*	*	*	*	*	17	*	*	*	*	*	*	*	**100**	*	*
	Carbon Disulfide	700	*	10.2	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chloroform	70	2.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
Metals	Antimony	NL	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	**6**	*	*
	Arsenic	10	*	*	*	*	*	*	*	*	*	8.1	*	*	*	*	*	**10**	*	*
	Barium	2000	114	67	38	29	20	16	14	50	8.7	17	*	*	*	*	*	**100**	*	*
	Chromium	50	44	25	14	15	8	11	*	12	7.5	4.3	*	*	*	*	*	**10**	*	*
	Cobalt	NL	*	*	*	*	*	*	*	5.2	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	29	*	*	*	*	*	*	31	7.3	10	*	*	*	*	*	**10**	*	*
	Lead	15	*	*	*	5	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	11	*	*	*	*	24	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	17	*	*	5.6	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	145	21	33	37	37	45	39	54	26	43	*	*	*	*	*	**20**	*	*
	Zinc	1050	68	21	19	37	31	16	25	10	*	*	*	*	*	*	*	**10**	16.6	12.4

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5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-7	NC Standard	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	513	540	170	520	*	680	**3100**	**1100**	*	281	194	*	189	*	**100**	240	*
	Benzene	1	**3.6**	*	**2.9**	**7.2**	*	**6.7**	**6.2**	**5.4**	*	**4.2**	**4.7**	**5.7**	**5.0**	**5.1**	**1**	**6.5**	**5.2**
	2-Butanone (MEK)	170	**1180**	**940**	**480**	*	*	**1600**	**6800**	**1600**	*	**1200**	**494**	**817**	*	*	**100**	*	*
	Carbon Disulfide	700	6.2	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**3**	*	*
	Chloroethane	2800	*	8.6	10	*	*	12	26	17	*	*	*	7.3	*	*	**10**	*	*
	Chloromethane	2.6	*	*	1.4	5.8	*	*	*	*	*	*	*	*	*	*	**1**	*	2.2
	1,4-Dichlorobenzene	1.4	13.5	12	12	10	*	17	*	12	*	12.9	**13.3**	**13.3**	**12.0**	**10.0**	**1**	**9.9**	**11.2**
	1,1-Dichloroethane	700	13.4	*	1.2	*	*	*	5.2	*	*	*	*	*	*	*	**5**	*	*
	cis-1,2-Dichloroethene	70	**2240**	**1500**	**1300**	**3700**	**3100**	**2400**	**8400**	**3200**	**2200**	**1650**	**472**	**1790**	**592**	*	**5**	*	*
	trans-1,2-Dichloroethene	100	42	16	4	*	*	6.2	*	6.4	*	*	*	*	*	*	**5**	*	*
	Ethylbenzene	550	**42.5**	**57**	**31**	**32**	*	**40**	**38**	**38**	*	25.2	28.2	*	27	33.7	**1**	30.5	35
	2-Hexanone	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**50**	*	*
	4-Methyl-2-pentanone	NL	41.4	*	*	*	*	*	150	89	*	66.5	*	61.4	*	*	**100**	*	*
	Methylene Chloride	4.6	**18.6**	**63**	*	**42**	*	*	**36**	**18**	*	*	*	**9.6**	*	*	**1**	3.5	*
	Tetrachloroethene (PCE)	0.7	**2.2**	*	*	*	*	*	*	*	*	*	*	**1.3**	*	*	**1**	*	*
	Toluene	1000	93.6	110	70	150	*	140	170	130	*	86.2	89.7	130	152	252	**1**	141	150
	Trichloroethene (TCE)	2.8	2.6	*	*	*	*	*	*	*	*	*	*	1.3	*	*	**1**	*	*
	Vinyl Chloride	0.015	**72.8**	**54**	**90**	**120**	**120**	**510**	**190**	**300**	**980**	**1140**	**831**	**1520**	**1970**	**212**	**1**	**1950**	*
	Xylenes total	530	48.2	85	38	64	*	77	91	72	*	57.6	52.3	23.4	79.6	69.8	**3**	74.2	69.1
Metals	Antimony	NL	*	*	2	*	*	*	*	*	*	*	*	*	*	*	**6**	*	*
	Arsenic	50	*	5	*	*	*	*	7.8	*	6.1	*	*	*	*	*	**10**	*	*
	Barium	2000	295	660	240	450	260	420	580	7.4	170	*	*	*	*	1340	**100**	246	205
	Beryllium	NL	*	8	8	*	*	*	1.1	*	*	*	*	*	*	11	**1**	*	1.1
	Cadmium	1.75	3	*	3.2	3.5	*	*	*	*	2.1	*	*	*	*	*	**1**	*	*
	Chromium	50	11	**52**	2.2	*	*	*	2	*	*	*	*	*	*	**69.4**	**10**	*	*
	Cobalt	NL	447	360	220	880	350	670	950	*	180	295	252	437	281	200	**10**	331	58.6
	Copper	1000	10	65	*	16	*	*	4.6	*	*	*	*	*	*	*	**10**	*	*
	Lead	15	**23**	**180**	12	10	9.3	12	**21**	*	7.7	*	*	*	*	**51.1**	**10**	*	12.5
	Nickel	100	14	**100**	*	*	30	*	28	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	18	5	18	35	21	36	23	5.2	*	*	*	*	*	*	**10**	*	*
	Silver	18	*	*	*	6.4	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Thallium	NL	*	4	*	2.1	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Vanadium	NL	*	31	*	*	*	*	*	*	*	*	*	*	*	40.1	**20**	*	*
	Zinc	1050	109	440	73	180	43	34	65	*	25	*	*	*	*	950	**10**	35.8	135

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5. DRY - well was dry during sampling event.
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	MW-8	NC Standard	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	34.4	*	*	*			*	*	*	*	*	*	*	*	**100**	*	*
	2-Butanone (MEK)	4200	*	52.3	*	*	*			*	*	*	*	*	*	*	*	**100**	*	*
Metals	Barium	2000	913	242	1400	860	510			60	110	260	*	*	*	*	*	**100**	506	178
	Beryllium	NL	*	*	13	7	3.3			*	*	*	*	*	*	*	*	**1**	1.6	*
	Cadmium	1.75	*	*	*	3.7	*			*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	12	10	**73**	28	12			4	*	6	*	*	*	*	*	**10**	*	*
	Cobalt	NL	58	*	78	57	32			*	5	14	20.5	*	*	*	19.5	**10**	22.5	*
	Copper	1000	55	22	200	93	60			16	5.7	20	*	*	*	*	*	**10**	11.1	*
	Lead	15	**38**	13	13	**54**	**20**			*	7.1	13	**15.4**	*	*	*	**16**	**10**	**18.2**	*
	Nickel	100	21	*	**100**	23	*			6.4	*	10	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	5.3	*	8.3			*	*	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	33	25	130	85	36			13	5.7	20	*	*	*	*	*	**20**	*	*
	Zinc	1050	52	54	170	98	48			17	*	24	*	*	*	*	*	**10**	27.6	12.4

Notes:

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5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	Spring A	NC Standard	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Carbon Disulfide	700	6.3	*	dry	*	*	*	*	*	*	*	*	*	NS	*	**100**	NS	NS
	cis-1,2-Dichloroethene	70	**175**	**94.6**	dry	48	42	**350**	**650**	**160**	16.9	*	14.1	24.4	NS	17.4	**5**	NS	NS
	trans-1,2-Dichloroethene	100	*	2.5	dry	*	*	*	*	*	*	*	*	*	NS	*	**5**	NS	NS
	Ethylbenzene	550	*	*	dry	*	*	8.5	*	*	*	*	*	*	NS	*	**1**	NS	NS
	Vinyl Chloride	0.015	**8.2**	**13.6**	dry	**8.5**	**12**	**34**	**36**	*	**11.9**	*	**9.3**	**20.5**	NS	**11.9**	**1**	NS	NS
Metals	Barium	2000	16	14	dry	21	22	17	21	16	*	*	*	*	NS	*	**100**	NS	NS
	Cobalt	NL	*	*	dry	*	*	6.4	12	5.3	*	*	*	*	NS	*	**10**	NS	NS
	Selenium	50	*	*	dry	*	7.4	*	*	*	*	*	*	*	NS	*	**10**	NS	NS
	Zinc	1050	31	23	dry	18	17	*	*	*	*	*	*	*	NS	11.9	**10**	NS	NS

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4. Bold indicates that constituent exceeds NC 2L Standard.
5. DRY - well was dry during sampling event.
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Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	Spring B	NC Standard	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Chloromethane	2.6	*													**1**	*	*
	Carbon Disulfide	700	2.1	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Methylene choride	4.6	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	1.1
Metals	Barium	2000	25	18	160	69	33	20	18	20	*	*	*	*	*	**100**	*	*
	Beryllium	NL	*	*	4	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	*	*	29	6.4	2.4	3.6	*	*	*	*	*	*	*	**10**	*	*
	Cobalt	NL	*	*	23	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	*	*	14	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Lead	15	*	*	14	6.2	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	26	*	*	*	*	*	*	*	*	*	*	**50**	*	*
	Vanadium	NL	*	*	32	*	*	*	*	*	*	*	*	*	*	**25**	*	*
	Zinc	1050	*	*	62	23	14	*	*	*	*	*	*	*	*	**10**	*	11.1

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5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	Chastain Spring	NC Standard	Oct-93	Jun-94	Dec-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	dry	3.6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	**100**	*	*
	trans-1,2-Dichloroethene	100	*	*	*	*	*	*	*	*	*	*	dry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	**5**	*	*
	Toluene	1000	*	*	*	*	*	*	*	*	*	*	dry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	**1**	*	*
	2-Butanone	4200	*	*	*	*	*	*	*	*	*	*	dry	*	*	*	*	*	*	*	*	*	11	*	*	*	*	*	NS	**100**	*	*
Metals	Barium	2000	*	*	*	*	*	*	123	*	*	*	dry	*	*	*	6	4.9	3.9	32	6	8.4	27	16	*	*	*	*	NS	**100**	*	*
	Cadmium	1.75	1	*	*	*	*	*	*	**5**	1	*	dry	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	**1**	*	*
	Chromium	50	*	*	*	*	*	*	*	*	*	*	dry	*	*	*	*	*	*	*	*	2.5	2.8	*	*	*	*	*	NS	**10**	*	*
	Copper	1000	*	*	*	*	*	*	*	*	*	*	dry	*	*	*	*	*	*	*	*	*	56	3.6	*	*	*	*	NS	**10**	*	*
	Zinc	1050	*	*	*	*	*	*	*	*	*	*	dry	29	*	*	*	*	12	11	*	*	25	11	*	*	*	50.6	NS	**10**	*	22.4

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5. DRY - well was dry during sampling event.
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7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	Chastain Well	NC Standard	Oct-93	Jun-94	Dec-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
Metals	Barium	2000	*	*	172	*	*	*	*	NS	NS	*	*	*	*	*	160	7	6.5	6.6	6.7	7	5.63	6.7	*	*	*	*	*	**100**	*	*
	Copper	1000	*	*	170	*	*	*	*	NS	NS	98	116	82	81	113	390	170	170	680	900	62	89	89	*	286	*	285	293	**10**	22.0	17.8
	Lead	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	**23.3**	*
	Zinc	1050	*	*	*	*	*	*	*	NS	NS	36	*	*	*	57	26	130	40	20	17	*	*	*	*	*	*	*	*	**10**	21.4	18.3

Notes:

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5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Old Highlands Landfill
Highlands, North Carolina

	McCall Well	NC Standard	Oct-93	Jun-94	Dec-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
Metals	Barium	2000	*	*	*	*	*	*	49	*	*	*	*	*	*	*	7	7	7.7	7.1	8.7	7.4	10	7.5	*	*	*	*	*	**100**	*	*
	Cadmium	1.75	*	*	*	*	*	*	*	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Copper	1000	*	*	**2020**	*	*	*	315	*	52	*	*	47	20	11	18	16	*	*	15	76	*	12	*	*	*	*	*	**10**	27.9	26.5
	Lead	15	*	*	*	*	*	*	*	3	6	*	*	*	*	*	*	*	*	*	*	7.8	*	*	*	*	*	*	*	**10**	*	*
	Zinc	1050	*	*	*	*	*	*	443	*	*	*	*	57	38	26	18	14	14	12	12	20	12	13	*	*	123	*	*	**10**	37.7	84.0

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Historical Analytical Results
Highlands C and D Landfill
Highlands, North Carolina

	MW-A	NC Standard	Oct-93	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	*	*	3.8	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	cis-1,2-Dichloroethene	70	7.1	6.3	5.6	*	*	*	*	*	5.2	*	3.4	*	*	*	2.7	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
Metals	Barium	2000	230	*	*	*	*	122	*	*	12	13	14	14	15	17	15	17	17	22	15	7.7	13	*	*	*	*	*	**100**	*	*
	Cadmium	1.75	*	*	*	*	*	*	2	*	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	46	*	*	*	*	*	*	*	*	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	190	*	*	*	*	*	*	*	*	*	*	*	*	*	61	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Lead	15	**24**	*	*	*	*	*	12	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Thallium	NL	*	*	*	*	*	*	*	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*
	Vanadium	NL	170	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**20**	*	*
	Zinc	1050	*	11	12	*	20	40	*	*	36	*	*	*	*	*	120	50	*	14	*	*	*	*	*	*	*	*	**10**	19.7	22.7

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6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Highlands C and D Landfill
Highlands, North Carolina

	MW-B	NC Sandard	Oct-93	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	3-Apr	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	7.1	26.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chloroethane	2800	*	*	*	*	*	*	*	*	*	*	*	*	*	2.4	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
Metals	Arsenic	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5.6	*	*	*	*	*	**10**	*	*
	Barium	2000	340	*	*	*	*	172	*	*	20	23	20	20	19	26	18	20	17	22	13	15	18	*	*	*	*	*	**100**	*	*
	Cadmium	1.75	*	*	*	*	*	*	1	*	3	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Chromium	50	**60**	*	*	*	*	*	*	*	*	11	*	*	*	2.2	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Cobalt	NL	*	*	*	*	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	*	*	*	*	*	11	*	*	*	12	*	*	*	*	*	*	*	*	2.7	2.1	*	*	*	*	*	*	**10**	*	*
	Lead	15	**48**	*	*	*	5	*	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	*	*	5.2	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**20**	*	*
	Zinc	1050	130	*	16	*	21	46	*	*	23	*	67	*	*	20	*	19	28	*	11	*	*	*	*	*	*	*	**10**	69.8	43.2

Notes:

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7. Only compounds detected above laboratory PQL or SWSL are listed.

Historical Analytical Results
Highlands C D Landfill
Highlands, North Carolina

	WSW-1	NC Standard	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	1,2-Dichloroethane	0.38	*	**5**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
Metals	Barium	2000	*	*	*	42	*	*	*	*	*	*	*	13	12	12	16	14	9.7	7.8	11	*	*	*	*	*	**100**	*	*
	Cadmium	5	*	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Copper	1000	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	20	280	*	*	*	*	*	**10**	*	*
	Lead	15	*	*	*	*	4	*	*	*	*	*	*	*	*	*	*	*	*	*	**19**	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*	*	*	*	5.1	*	**207**	*	*	*	**50**	*	*
	Antimony	NL	*	*	*	*	*	152	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**6**	*	*
	Zinc	1050	*	*	*	87	*	*	*	*	*	*	*	10	16	*	*	*	*	11	180	*	*	*	*	*	**10**	15.5	22

Notes:

1. * - constituent did not exceed laboratory practical quantitation limit (PQL) or Solid Waste Section Limit (SWSL).
2. NS - location not sampled.
3. NL - constituent does not have a NC 2L Standard
4. Bold indicates that constituent exceeds NC 2L Standard.
5. DRY - well was dry during sampling event.
6. All constituents measured in parts per billion (ppb).
7. Only compounds detected above laboratory PQL or SWSL are listed.

Appendix E

Statistical Analysis

MW-8	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Vanadium	Zinc
Oct-99	0.005	0.913	0.001	0.0005	0.012	0.058	0.100	0.038	0.025	0.010	0.020	0.052
May-00	0.005	0.250	0.001	0.0005	0.010	0.005	0.100	0.013	0.025	0.010	0.020	0.054
Oct-00	0.005	1.40	0.013	0.0005	0.073	0.078	0.200	0.013	0.100	0.010	0.130	0.170
Apr-01	0.005	0.860	0.007	0.0037	0.028	0.057	0.100	0.054	0.025	0.010	0.085	0.098
Oct-01	0.005	0.510	0.0033	0.0005	0.012	0.032	0.100	0.020	0.025	0.010	0.020	0.025
Apr-03	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
Oct-03	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
Apr-04	0.005	0.250	0.001	0.0005	0.005	0.014	0.100	0.013	0.025	0.010	0.020	0.025
Dec-04	0.005	0.250	0.001	0.0005	0.005	0.0205	0.100	0.0154	0.025	0.010	0.020	0.025
Apr-05	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
Oct-05	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
Apr-06	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
Oct-06	0.005	0.250	0.001	0.0005	0.005	0.0195	0.100	0.016	0.025	0.010	0.020	0.025
Apr-07	0.005	0.506	0.0005	0.0005	0.005	0.0225	0.0111	0.0182	0.025	0.005	0.010	0.0276
Oct-07	0.005	0.178	0.0005	0.0005	0.005	0.005	0.005	0.005	0.025	0.005	0.010	0.0124
PQL	0.010	0.500	0.002	0.001	0.010	0.010	0.200	0.010	0.050	0.020	0.040	0.050
SWSL	0.010	0.100	0.001	0.001	0.010	0.010	0.010	0.010	0.050	0.010	0.020	0.010
# Obs.	15	15	15	15	15	15	15	15	15	15	15	15
# NDs	15	9	12	14	10	7	13	6	14	15	13	9
% NDs	100%	60%	80%	93%	67%	47%	87%	40%	93%	100%	87%	60%
Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Adjustment	Nonparametric	Adjustment	Nonparametric	Nonparametric	Nonparametric	Nonparametric
Limit	0.010	1.40	0.013	0.0037	0.073	0.126	0.200	0.070	0.100	0.010	0.130	0.170
2L Std.	0.050	2.0	0.002	0.00175	0.050	-	1.0	0.015	0.100	0.050	-	1.05

* Results less than PQL/SWSL listed as half the PQL/SWSL

0.05		k	
n	10	14	15
12	1.82	1.94	1.97
15		1.86	
16	1.72	1.83	1.86

0.005		k	
n	10	14	15
12	2.78	2.91	2.94
15		2.72	
16	2.55	2.66	2.69

0.0025		k	
n	10	14	15
12	3.08	3.22	3.25
15		2.98	
16	2.79	2.90	2.93

# const.	alpha	ln(alpha)	K
1	0.05	-2.99573	1.86
10	0.005	-5.29832	2.72
20	0.0025	-5.99146	2.98
37	0.00135	-6.60765	**3.21**

K= 3.21

15 background measurements
14 compliance wells
37 constituents for which statistical comparisons are made:

1,1-Dichloroethane
1,2-Diclorobenzene
1,4-Dichlorobenzene
2-Butanone (MEK)
2-Hexanone
4-Methyl-2-pentanone
Acetone
Antimony
Arsenic
Barium
Benzene
Beryllium
Cadmium
Carbon Disulfide
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Chromium
cis-1,2-Dichloroethene
Cobalt
Copper
Ethylbenzene
Lead
Methylene Chloride
Nickel
Selenium
Silver
Tetrachloroethene (PCE)
Thallium
Toluene
trans-1,2-Dicloroethene
Trichloroethene
Vanadium
Vinyl Chloride
Xylenes total
Zinc

Cobalt

0.005
0.005
0.005
0.005
0.005
0.005
0.005
0.014
0.0195
0.0205
0.0225
0.032
0.057
0.058
0.078

Cohen's Adjustment - Normal Distribution

Mean (above detection)	0.038
S.D. (above detection)	0.023
h	0.4667
gamma	0.7195
lambda	0.9364
Corrected Mean	0.012
Corrected S.D.	0.036
K	3.21
Prediction Limit	0.126

Lead
0.005
0.005
0.005
0.005
0.005
0.005
0.013
0.013
0.013
0.0154
0.016
0.0182
0.020
0.038
0.054

Cohen's Adjustment - Normal Distribution

Mean (above detection)	0.022
S.D. (above detection)	0.014
h	0.4000
gamma	1.3411
lambda	0.8516
Corrected Mean	0.012
Corrected S.D.	0.018
K	3.21
Prediction Limit	0.070